



Analytical Report

«Chimica Techno Acta»

Publication period: 2014-2026

We are pleased to present a curated collection of articles published in the «Chimica Techno Acta» during 2014-2026. Each paper has undergone rigorous peer-review and represents a complete scientific investigation.

For your convenience, all published papers were distributed across a wide range of domains, topics and subtopics. This allows readers to find appropriate works through their own field of interest. We believe these analytical reports will help readers quickly find articles of interest.

Metric	Value
Total Articles	536
Research Domains	4

Table of Contents

Physical Sciences — 484 articles

Materials Science — 183 articles

Materials Chemistry — 116 articles

- Advancements in Solid Oxide Fuel Cells — 29 articles
- Luminescence Properties of Advanced Materials — 10 articles
- Corrosion Behavior and Inhibition — 6 articles
- Luminescence and Fluorescent Materials — 6 articles
- Nuclear materials and radiation effects — 6 articles
- Quantum Dots Synthesis And Properties — 5 articles
- Catalytic Processes in Materials Science — 4 articles
- Crystallization and Solubility Studies — 4 articles
- Electronic and Structural Properties of Oxides — 4 articles
- Thermal and Kinetic Analysis — 4 articles
- Thermal Expansion and Ionic Conductivity — 4 articles
- Ferroelectric and Piezoelectric Materials — 3 articles
- Nuclear Materials and Properties — 3 articles
- Carbon Nanotubes in Composites — 2 articles
- Lanthanide and Transition Metal Complexes — 2 articles
- Layered Double Hydroxides Synthesis and Applications — 2 articles
- Machine Learning in Materials Science — 2 articles
- Material Properties and Failure Mechanisms — 2 articles
- Phase-change materials and chalcogenides — 2 articles
- Silicone and Siloxane Chemistry — 2 articles
- Solidification and crystal growth phenomena — 2 articles
- Advanced Thermoelectric Materials and Devices — 1 articles
- Anodic Oxide Films and Nanostructures — 1 articles
- Carbon and Quantum Dots Applications — 1 articles
- Copper-based nanomaterials and applications — 1 articles
- Dielectric properties of ceramics — 1 articles
- Graphene research and applications — 1 articles
- Magnesium Oxide Properties and Applications — 1 articles
- Magnetic Properties and Synthesis of Ferrites — 1 articles
- Metal Alloys Wear and Properties — 1 articles
- Nanoparticles synthesis and applications — 1 articles
- Solid-state spectroscopy and crystallography — 1 articles
- ZnO doping and properties — 1 articles

Electronic, Optical and Magnetic Materials — 29 articles

- Magnetic and transport properties of perovskites and related materials — 17 articles
- Supercapacitor Materials and Fabrication — 4 articles
- Multiferroics and related materials — 3 articles
- Crystal Structures and Properties — 2 articles
- Gold and Silver Nanoparticles Synthesis and Applications — 2 articles
- Organic and Molecular Conductors Research — 1 articles

Polymers and Plastics — 12 articles

- Conducting polymers and applications — 3 articles
- Polymer Nanocomposites and Properties — 2 articles

Polymer Synthesis and Characterization — 2 articles
Dendrimers and Hyperbranched Polymers — 1 articles
Flame retardant materials and properties — 1 articles
Polymer Nanocomposite Synthesis and Irradiation — 1 articles
Polymer Science and PVC — 1 articles
Transition Metal Oxide Nanomaterials — 1 articles

Biomaterials — 10 articles

Nanocomposite Films for Food Packaging — 5 articles
biodegradable polymer synthesis and properties — 1 articles
Electrospun Nanofibers in Biomedical Applications — 1 articles
Magnesium Alloys Properties and Applications — 1 articles
Nanoparticle-Based Drug Delivery — 1 articles
Silk-based biomaterials and applications — 1 articles

Ceramics and Composites — 8 articles

Advanced ceramic materials synthesis — 4 articles
Glass properties and applications — 4 articles

General Materials Science — 6 articles

Material Properties and Applications — 5 articles
Metallurgical and Alloy Processes — 1 articles

Surfaces, Coatings and Films — 2 articles

Electron and X-Ray Spectroscopy Techniques — 1 articles
Surface Modification and Superhydrophobicity — 1 articles

Engineering — 123 articles

Electrical and Electronic Engineering — 48 articles

Advancements in Battery Materials — 8 articles
Advanced Battery Materials and Technologies — 7 articles
Electrochemical sensors and biosensors — 6 articles
Chalcogenide Semiconductor Thin Films — 4 articles
Electrophoretic Deposition in Materials Science — 4 articles
Electrodeposition and Electroless Coatings — 3 articles
Gas Sensing Nanomaterials and Sensors — 3 articles
Aerosol Filtration and Electrostatic Precipitation — 2 articles
Fuel Cells and Related Materials — 2 articles
Microwave Dielectric Ceramics Synthesis — 2 articles
Advanced battery technologies research — 1 articles
Electric Power Systems and Control — 1 articles
Electrohydrodynamics and Fluid Dynamics — 1 articles
Organic Electronics and Photovoltaics — 1 articles
Organic Light-Emitting Diodes Research — 1 articles
solar cell performance optimization — 1 articles
Thin-Film Transistor Technologies — 1 articles

Biomedical Engineering — 32 articles

Advanced Chemical Sensor Technologies — 6 articles
Bone Tissue Engineering Materials — 4 articles
Membrane-based Ion Separation Techniques — 3 articles
Characterization and Applications of Magnetic Nanoparticles — 2 articles
Graphene and Nanomaterials Applications — 2 articles
Innovative Microfluidic and Catalytic Techniques Innovation — 2 articles
Laser-Ablation Synthesis of Nanoparticles — 2 articles

Metal Extraction and Bioleaching — 2 articles
Advanced Materials Characterization Techniques — 1 articles
Advanced Sensor and Energy Harvesting Materials — 1 articles
Advanced Theoretical and Applied Studies in Material Sciences and Geometry — 1 articles
Biodiesel Production and Applications — 1 articles
Biosensors and Analytical Detection — 1 articles
Environmental remediation with nanomaterials — 1 articles
Nanotechnology research and applications — 1 articles
Phase Equilibria and Thermodynamics — 1 articles
Polymer-Based Agricultural Enhancements — 1 articles

Mechanical Engineering — 24 articles

Metallurgical Processes and Thermodynamics — 6 articles
Catalysis and Hydrodesulfurization Studies — 4 articles
High Entropy Alloys Studies — 2 articles
Intermetallics and Advanced Alloy Properties — 2 articles
Material Science and Thermodynamics — 2 articles
Surface Treatment and Coatings — 2 articles
Advanced materials and composites — 1 articles
Carbon Dioxide Capture Technologies — 1 articles
Extraction and Separation Processes — 1 articles
Membrane Separation and Gas Transport — 1 articles
Mining and Gasification Technologies — 1 articles
Thermodynamic and Structural Properties of Metals and Alloys — 1 articles

Computational Mechanics — 7 articles

Cyclone Separators and Fluid Dynamics — 5 articles
Field-Flow Fractionation Techniques — 1 articles
Granular flow and fluidized beds — 1 articles

Ocean Engineering — 3 articles

Enhanced Oil Recovery Techniques — 2 articles
Marine Biology and Environmental Chemistry — 1 articles

Aerospace Engineering — 2 articles

High-Temperature Coating Behaviors — 1 articles
Military Technology and Strategies — 1 articles

Mechanics of Materials — 2 articles

Freezing and Crystallization Processes — 1 articles
Laser-induced spectroscopy and plasma — 1 articles

Automotive Engineering — 1 articles

Advanced Battery Technologies Research — 1 articles

Building and Construction — 1 articles

Recycling and utilization of industrial and municipal waste in materials production — 1 articles

Civil and Structural Engineering — 1 articles

Concrete Corrosion and Durability — 1 articles

Control and Systems Engineering — 1 articles

Process Optimization and Integration — 1 articles

Industrial and Manufacturing Engineering — 1 articles

Engineering Technology and Methodologies — 1 articles

Chemistry — 110 articles

Organic Chemistry — 70 articles

Synthesis and Characterization of Heterocyclic Compounds — 18 articles

Synthesis and biological activity — 6 articles
Quinazolinone synthesis and applications — 5 articles
Chemical Reaction Mechanisms — 4 articles
Multicomponent Synthesis of Heterocycles — 4 articles
Supramolecular Chemistry and Complexes — 4 articles
Synthesis and Biological Evaluation — 4 articles
Chemical synthesis and pharmacological studies — 3 articles
Chemical Synthesis and Reactions — 3 articles
Chemical Thermodynamics and Molecular Structure — 2 articles
Photopolymerization techniques and applications — 2 articles
Sulfur-Based Synthesis Techniques — 2 articles
Antimicrobial agents and applications — 1 articles
Cyclization and Aryne Chemistry — 1 articles
N-Heterocyclic Carbenes in Organic and Inorganic Chemistry — 1 articles
Nanomaterials for catalytic reactions — 1 articles
Organic Chemistry Cycloaddition Reactions — 1 articles
Organic Chemistry Synthesis Methods — 1 articles
Organometallic Compounds Synthesis and Characterization — 1 articles
Organophosphorus compounds synthesis — 1 articles
Oxidative Organic Chemistry Reactions — 1 articles
Synthesis and Properties of Aromatic Compounds — 1 articles
Synthesis and Reactivity of Heterocycles — 1 articles
Synthesis of heterocyclic compounds — 1 articles
Synthesis of Tetrazole Derivatives — 1 articles

Inorganic Chemistry — 20 articles

Zeolite Catalysis and Synthesis — 7 articles
Pigment Synthesis and Properties — 6 articles
Inorganic Fluorides and Related Compounds — 2 articles
Metal-Organic Frameworks Synthesis and Applications — 2 articles
Radioactive element chemistry and processing — 2 articles
Crystal structures of chemical compounds — 1 articles

Analytical Chemistry — 6 articles

Analytical chemistry methods development — 3 articles
Petroleum Processing and Analysis — 2 articles
Dye analysis and toxicity — 1 articles

Physical and Theoretical Chemistry — 5 articles

History and advancements in chemistry — 2 articles
Chemical Reactions and Mechanisms — 1 articles
thermodynamics and calorimetric analyses — 1 articles
Various Chemistry Research Topics — 1 articles

Spectroscopy — 5 articles

Molecular Sensors and Ion Detection — 3 articles
Adsorption, diffusion, and thermodynamic properties of materials — 1 articles
Analytical Chemistry and Chromatography — 1 articles

Electrochemistry — 4 articles

Electrochemical Analysis and Applications — 4 articles

Chemical Engineering — 21 articles

Catalysis — 9 articles

Catalysis and Oxidation Reactions — 8 articles

Catalysts for Methane Reforming — 1 articles

Fluid Flow and Transfer Processes — 9 articles

Molten salt chemistry and electrochemical processes — 8 articles

Thermodynamic properties of mixtures — 1 articles

Bioengineering — 1 articles

Analytical Chemistry and Sensors — 1 articles

Filtration and Separation — 1 articles

Chemical and Physical Properties in Aqueous Solutions — 1 articles

Process Chemistry and Technology — 1 articles

Carbon dioxide utilization in catalysis — 1 articles

Environmental Science — 19 articles

Water Science and Technology — 12 articles

Adsorption and biosorption for pollutant removal — 5 articles

Membrane Separation Technologies — 3 articles

Advanced oxidation water treatment — 2 articles

Coagulation and Flocculation Studies — 1 articles

Minerals Flotation and Separation Techniques — 1 articles

Environmental Chemistry — 5 articles

Arsenic contamination and mitigation — 2 articles

Chemistry and Chemical Engineering — 2 articles

Methane Hydrates and Related Phenomena — 1 articles

Industrial and Manufacturing Engineering — 1 articles

Chemical Synthesis and Characterization — 1 articles

Pollution — 1 articles

Wastewater Treatment and Nitrogen Removal — 1 articles

Energy — 10 articles

Renewable Energy, Sustainability and the Environment — 9 articles

Advanced Photocatalysis Techniques — 4 articles

TiO₂ Photocatalysis and Solar Cells — 4 articles

Electrocatalysts for Energy Conversion — 1 articles

Nuclear Energy and Engineering — 1 articles

Advanced Energy Technologies and Civil Engineering Innovations — 1 articles

Physics and Astronomy — 9 articles

Condensed Matter Physics — 4 articles

Advanced Condensed Matter Physics — 3 articles

GaN-based semiconductor devices and materials — 1 articles

Atomic and Molecular Physics, and Optics — 3 articles

Semiconductor materials and interfaces — 1 articles

Semiconductor Quantum Structures and Devices — 1 articles

Spectroscopy and Quantum Chemical Studies — 1 articles

Astronomy and Astrophysics — 1 articles

Planetary Science and Exploration — 1 articles

Radiation — 1 articles

Nuclear Physics and Applications — 1 articles

Computer Science — 6 articles

Computational Theory and Mathematics — 2 articles

Computational Drug Discovery Methods — 2 articles

Computer Vision and Pattern Recognition — 2 articles

Data Visualization and Analytics — 2 articles

Artificial Intelligence — 1 articles

Neural Networks and Applications — 1 articles

Computer Science Applications — 1 articles

Teaching and Learning Programming — 1 articles

Earth and Planetary Sciences — 3 articles

Atmospheric Science — 3 articles

nanoparticles nucleation surface interactions — 3 articles

Life Sciences — 34 articles

Pharmacology, Toxicology and Pharmaceutics — 13 articles

Pharmaceutical Science — 6 articles

Drug Solubility and Delivery Systems — 4 articles

Fluorine in Organic Chemistry — 2 articles

Pharmacology — 5 articles

Pharmacological Effects of Natural Compounds — 5 articles

Toxicology — 2 articles

Forensic Toxicology and Drug Analysis — 1 articles

Organoselenium and organotellurium chemistry — 1 articles

Biochemistry, Genetics and Molecular Biology — 11 articles

Molecular Biology — 8 articles

Advanced biosensing and bioanalysis techniques — 3 articles

Natural product bioactivities and synthesis — 2 articles

Phenothiazines and Benzothiazines Synthesis and Activities — 1 articles

Phosphodiesterase function and regulation — 1 articles

Synthesis and bioactivity of alkaloids — 1 articles

Molecular Medicine — 2 articles

Hydrogels synthesis, properties, applications — 2 articles

Biotechnology — 1 articles

Enzyme Production and Characterization — 1 articles

Agricultural and Biological Sciences — 10 articles

Food Science — 4 articles

Food Industry and Aquatic Biology — 2 articles

Essential Oils and Antimicrobial Activity — 1 articles

Seed and Plant Biochemistry — 1 articles

Ecology, Evolution, Behavior and Systematics — 2 articles

Fungal Plant Pathogen Control — 2 articles

Insect Science — 2 articles

Bee Products Chemical Analysis — 1 articles

Insect and Pesticide Research — 1 articles

General Agricultural and Biological Sciences — 1 articles

Agriculture and Biological Studies — 1 articles

Plant Science — 1 articles

Polysaccharides and Plant Cell Walls — 1 articles

Health Sciences — 13 articles

Medicine — 12 articles

Pharmacology — 3 articles

Synthesis of Organic Compounds — 2 articles

Cholinesterase and Neurodegenerative Diseases — 1 articles

Oncology — 2 articles

Metal complexes synthesis and properties — 2 articles

Anatomy — 1 articles

Medical and Biological Sciences — 1 articles

Complementary and alternative medicine — 1 articles

Complementary and Alternative Medicine Studies — 1 articles

Endocrinology, Diabetes and Metabolism — 1 articles

Natural Antidiabetic Agents Studies — 1 articles

Pathology and Forensic Medicine — 1 articles

Phytoestrogen effects and research — 1 articles

Physiology — 1 articles

Nitric Oxide and Endothelin Effects — 1 articles

Pulmonary and Respiratory Medicine — 1 articles

Blood properties and coagulation — 1 articles

Radiology, Nuclear Medicine and Imaging — 1 articles

Boron Compounds in Chemistry — 1 articles

Nursing — 1 articles

Nutrition and Dietetics — 1 articles

Vitamin C and Antioxidants Research — 1 articles

Social Sciences — 5 articles

Decision Sciences — 4 articles

Information Systems and Management — 2 articles

Academic Publishing and Open Access — 2 articles

Management Science and Operations Research — 1 articles

Economic, Social, and Public Health Issues in Russia and Globally — 1 articles

Statistics, Probability and Uncertainty — 1 articles

scientometrics and bibliometrics research — 1 articles

Arts and Humanities — 1 articles

History and Philosophy of Science — 1 articles

Academic Writing and Publishing — 1 articles

Physical Sciences — 484 articles

Materials Science — 183 articles

Materials Chemistry — 116 articles

Advancements in Solid Oxide Fuel Cells — 29 articles

1. Heavily doped proton-conducting perovskites Relationships between defect structure and functional properties

Authors: Mariam T. Akopian, Dmitry A. Medvedev

Chimica Techno Acta, 2026, Volume 13, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9769>

2. Electrochemical sensor for determining CO and H₂O content during CO conversion for hydrogen production

Authors: Anatoly S. Kalyakin, Aleksander N. Volkov

Chimica Techno Acta, 2026, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9277>

3. Temperature- and water-induced structural transformations in Pr- and Ho-doped Ba(Ce_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1})O₃- proton conducting electrolyte

Authors: Ivan Ivanov, Dmitry Tsvetkov, Vladimir Sereda, Dmitry Malyshkin, Anna Sereda, Petr Zakiryanov, Roman Yagovitin, Andrey Zuev

Chimica Techno Acta, 2025, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9412>

4. Electrochemical properties and stability of Pr₂NiO₄-based electrodes suitable for solid oxide electrochemical cells with reduced operating temperatures

Authors: Elena Pikalova, Tatyana Zhulanova, Alexander Kolchugin, Viktor Tsvinkinberg, Sergey Pikalov, Elena Filonova

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9244>

5. Methane activation and oxidation over La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.2}O₃ HD exchange study

Authors: Dmitriy M. Zakharov

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9185>

6. Novel materials based on RuddlesdenPopper phases for solid oxide fuel cells and oxygen separation membranes Fundamentals of oxygen transport

Authors: Vladislav Sadykov, Ekaterina Sadovskaya, Nikita Ereemeev, Alexander Kolchugin, Elena Filonova, Viktor Tsvinkinberg, Tatyana Zhulanova, Elena Pikalova

Chimica Techno Acta, 2025, Volume 12, Issue 3

Citations: 6 | per year: 6.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.3.04>

7. Temperature- and water-induced structural transformations in Ba(Ce_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1})O₃- proton conducting electrolyte

Authors: Ivan Ivanov, Dmitry Tsvetkov, Vladimir Sereda, Dmitry Malyshkin, Anna Sereda, Petr Zakiryaynov, Roman Yagovitin, Andrey Zuev

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.22>

8. Oxygen-ion and proton conductivity in the Ba₃InGa₂O_{7.5} complex oxide with incomplete oxygen sublattice

Authors: Nadezhda Kochetova, Veronika Cherepanova, Alyona Pikalova, Artem Gilev

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.02>

9. Chemical stability aspects of BaCe_{0.7}xFe_xZr_{0.2}Y_{0.1}O₃ mixed ionic-electronic conductors as promising electrodes for protonic ceramic fuel cells

Authors: Liana Tarutina, Inna Starostina, Gennady Vdovin, Svetlana Pershina, Emma Vovkotrub, Anna Murashkina

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.14>

10. Novel co-doped protonic conductors BaLa_{1.9}Sr_{0.1}In_{1.95}M_{0.05}O_{6.925} with layered perovskite structure

Authors: Anzhelika Bedarkova, Nataliia Tarasova, Irina Animitsa, Ekaterina Abakumova, Irina Fedorova, Polina Cheremisina, Evgenia Verinkina

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.06>

11. Local structure and ionic transport in acceptor-doped layered perovskite BaLa₂In₂O₇

Authors: Nataliia A. Tarasova

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 6 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.15>

12. Phosphorus-doped protonic conductors based on BaLaInnO_{3n1} (n 1, 2) applying oxyanion doping strategy to the layered perovskite structure

Authors: Nataliia Tarasova, Anzhelika Galisheva

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.05>

13. Crystal structure, thermal and electrotransport properties of $\text{NdBa}_{1-x}\text{Sr}_x\text{FeCo}_{0.5}\text{Cu}_{0.5}\text{O}_5$ (0.02 x 0.20) solid solutions

Authors: A. I. Klyndyuk, Ya. Yu. Zhuravleva, N. N. Gundilovich

Chimica Techno Acta, 2021, Volume 8, Issue 3

Citations: 8 | per year: 1.6

DOI: <https://doi.org/10.15826/chimtech.2021.8.3.01>

14. Effect of zinc doping on electrical properties of LaAlO_3 perovskite

Authors: Anastasia V. Egorova, Ksenia G. Belova, Irina E. Animitsa, Yelizaveta A. Morkhova, Artem A. Kabanov

Chimica Techno Acta, 2021, Volume 8, Issue 1

Citations: 14 | per year: 2.8

DOI: <https://doi.org/10.15826/chimtech.2020.8.1.03>

15. Thermodynamics of formation of solid solutions between BaZrO_3 and BaPrO_3

Authors: Dmitry S. Tsvetkov, Vladimir V. Sereda, Dmitry A. Malyshev, Anton L. Sednev-Lugovets, Andrey Yu. Zuev, Ivan L. Ivanov

Chimica Techno Acta, 2020, Volume 7, Issue 2, pp. 42-50

Citations: 8 | per year: 1.3

DOI: <https://doi.org/10.15826/chimtech.2020.7.2.01>

16. Phase formation processes and synthesis of solid solutions in Ca-R-Nb-M-O systems

Authors: A. A. Levina, N. O. Tadevosyan, S. A. Petrova, E. S. Buyanova, M. V. Morozova

Chimica Techno Acta, 2020, Volume 7, Issue 1, pp. 17-25

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2020.7.1.03>

17. Manipulating the grain boundary properties of BaCeO_3 -based ceramic materials through sintering additives introduction

Authors: Gennady Vdovin, Anna Rudenko, Boris Antonov, Vacheslav Malkov, Anatoly Demin, Dmitry Medvedev

Chimica Techno Acta, 2019, Volume 6, Issue 2, pp. 38-45

Citations: 11 | per year: 1.6

DOI: <https://doi.org/10.15826/chimtech.2019.6.2.01>

18. Oxygen diffusion and surface exchange kinetics for the mixed-conducting oxide $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-x}$

Authors: Natalia M. Porotnikova, Ekaterina P. Antonova, Anna V. Khodimchuk, Eugene S. Tropin, Andrey S. Farlenkov, Maxim V. Ananyev

Chimica Techno Acta, 2018, Volume 5, Issue 4, pp. 196-204

Citations: 4 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2018.5.04.04>

19. Crystal structure and properties of novel oxide Sm_{0.9}Ca_{1.1}Fe_{0.7}Co_{0.3}O_{4-d}

Authors: Anastasia P. Galayda, Nadezhda E. Volkova, Anastasia I. Dyagileva, Ludmila Ya. Gavrilova, Vladimir A. Cherepanov, Peter D. Battle

Chimica Techno Acta, 2018, Volume 5, Issue 4, pp. 159-165

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2018.5.4.01>

20. Oxygen content and defect structure of the perovskite La_{0.5}Ba_{0.5}CoO₃

Authors: D. A. Malyshkin, A. Yu. Novikov, D. S. Tsvetkov

Chimica Techno Acta, 2018, Volume 5, Issue 2, pp. 117-124

Citations: 5 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2018.5.4.04>

21. Preparation, Structure and Physicochemical Properties of La_{0.95}Bi_{0.05}Mn_{1-y}Cu_yO₃ (■0.1-0.4) and Composites with Bi₂O₃-Based Electrolytes

Authors: O. S. Kaimieva, V. V. Danilova, E. S. Buyanova, S. A. Petrova, I. V. Nikolaenko

Chimica Techno Acta, 2018, Volume 5, Issue 2, pp. 109-116

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2018.5.3.03>

22. Materials based on BIFEVOX and bismuth or iron simple oxides nanopowders

Authors: A. A. Krylov, Yu. V. Emelyanova, E. S. Buyanova, M. V. Morozova, A. I. Vylkov, A. Yu. Chuykin

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 202-208

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech/2017.4.3.05>

23. Crystal structure and imperfection of the perovskite-like proton conductor Ba₄Ca₂Nb₂O₁₁

Authors: I. E. Animitsa, N. A. Kochetova

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 5-23

Citations: 8 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2016.3.1.001>

24. Crystal structure and conductivity of bismuth-containing complex oxides

Authors: E. S. Buyanova, Yu. V. Emelyanova, M. V. Morozova, Z. A. Mikhailovskaya, O. S. Kaymieva, V. M. Zhukovskiy, S. A. Petrova

Chimica Techno Acta, 2015, Volume 2, Issue 4, pp. 306-325

Citations: 8 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2015.2.4.029>

25. Crystal structure and oxygen nonstoichiometry of oxides in the Ba-Me-Me-Y-O (Me, MeCo, Fe) system

Authors: A. S. Urusova, A. V. Bryuzgina, T. V. Aksenova, V. A. Cherepanov

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 139-146

Citations: 1 | per year: 0.1

3. Nanoluminofors based on siliates and germanates of rare earth elements for visualization of biotissues

Authors: Mikhail G. Zuev, Vladislav G. Il'ves, Sergei Yu. Sokovnin

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s12>

4. Synthesis and luminescent properties of new tungstates $\text{Ln}_2\text{Zr}(\text{WO}_4)_5$ (Ln Tb, Dy)

Authors: B. G. Bazarov, S. G. Dorzhieva, R. Y. Shendrik, Y. L. Tushinova, Ts. T. Bazarova, D. O. Sofich, O. D. Chimitova, J. G. Bazarova

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.05>

5. In situ synthesis, structural chemistry and vibrational spectroscopy of Zn-doped $\text{Ca}_5\text{Mg}_4(\text{VO}_4)_6$

Authors: Anna S. Tolkacheva, Sergey N. Shkerin, Sofya A. Petrova, Olga M. Fedorova, Svetlana G. Titova, Ivan I. Leonidov

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.01>

6. Bright blue emissions on UV-excitation of LaBO_3 (BIn, Ga, Al) perovskite structured phosphors for commercial solid-state lighting applications

Authors: B. V. Naveen Kumar, T. Samuel, Samatha Bevara, K. Ramachandra Rao, Satya Kamal Chirauri

Chimica Techno Acta, 2022, Volume 9, Issue 1

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.1.07>

7. Phase relations in the $\text{Me}_2\text{MoO}_4\text{In}_2(\text{MoO}_4)_3\text{Hf}(\text{MoO}_4)_2$ systems, where Me Li, K, Tl, Rb, Cs

Authors: J. G. Bazarova, Yu. L. Tushinova, V. G. Grossman, Ts. T. Bazarova, B. G. Bazarov, R. V. Kurbatov

Chimica Techno Acta, 2018, Volume 5, Issue 3, pp. 126-131

Citations: 3 | per year: 0.4

DOI: <https://doi.org/10.15826/chimtech.2018.5.3.01>

8. Phase diagrams for the $\text{M}_2\text{MoO}_4\text{Ln}_2(\text{MoO}_4)_3\text{Hf}(\text{MoO}_4)_2$ systems, where M LiCs, Tl and Ln LaLu

Authors: Zh. G. Bazarova, V. G. Grossman, B. G. Bazarov, Yu. L. Tushinova, O. D. Chimitova, Ts. T. Bazarova

Chimica Techno Acta, 2017, Volume 4, Issue 4, pp. 224-230

Citations: 5 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech/2017.4.4.03>

9. Phase equilibria in the $\text{Tl}_2\text{MoO}_4\text{R}_2(\text{MoO}_4)_3\text{Zr}(\text{MoO}_4)_2$ (R Al, Cr) systems synthesis, structure and properties of new triple molybdates $\text{Tl}_5\text{RZr}(\text{MoO}_4)_6$ and $\text{TlRZr}_{0.5}(\text{MoO}_4)_3$

Authors: V. G. Grossman, B. G. Bazarov, Zh. G. Bazarova

Chimica Techno Acta, 2017, Volume 4, Issue 4, pp. 218-223

Citations: 3 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech/2017.4.4.02>

10. Luminescent properties of complexly substituted oxides $\text{Ln}_2\text{Ln}_8(\text{XO}_4)_6\text{O}_2$ (MeSr, Ca LnLa, Gd, Eu X Si, P)

Authors: A. A. Vasin, M. G. Zuev

Chimica Techno Acta, 2014, Volume 1, Issue 1, pp. 26-32

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2014.1.1.681>

Corrosion Behavior and Inhibition — 6 articles

1. The oligosuccinimide and modified polysuccinimide as green corrosion and scale inhibitors

Authors: Muhamad Jalil Baari

Chimica Techno Acta, 2023, Volume 10, Issue 1

Citations: 4 | per year: 1.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.12>

2. Corrosion of diffusion zinc coatings in sodium chloride solutions

Authors: Alexander I. Biryukov, Dmitry A. Zakharyevich, Tatyana V. Batmanova, Rashit G. Galin, Maksim N. Ulyanov, Vladimir E. Zhivulin

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.21>

3. Improving the environmental production of electrodes for solar panels

Authors: A. O. Patianova, K. Yu. Ivanova, L. G. Rogozhina, M. V. Kuzmin, V. L. Semenov

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 186-191

Citations: 4 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.09>

4. Measurement of the specific surface area of loose copper deposit by electrochemical methods

Authors: E. A. Dolmatova, A. V. Patrushev, T. N. Ostanina

Chimica Techno Acta, 2016, Volume 3, Issue 2, pp. 147-155

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2016.3.2.011>

5. Study of instantaneous rate of corrosion of aluminum in media with different acidity

Authors: O. V. Kylosova, A. B. Ilbuldina, O. V. Yaroslavtseva

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 218-225

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.3.023>

6. The influence of the magnesium alloys microstructure on the cathodic hydrogen evolution

Authors: A. L. Gabov, I. S. Belosludtsev, N. A. Medvedeva, N. E. Skryabina, D. Fruchart

Chimica Techno Acta, 2014, Volume 1, Issue 2, pp. 61-66

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.2.700>

Luminescence and Fluorescent Materials — 6 articles

1. Sodium Salts of 6-Hydroxy-Azolo1,5-apyrimidine-5-carbonitriles as Red-Emissive Fluorescent Chemosensors for Picric Acid

Authors: Victor Fedotov, Semen Aminov, Dmitry Kopchuk, Ekaterina Kudryashova, Yulia Sayfutdinova, Timofey Moseev, Mikhail Varaksin, Anton Tsmokalyuk, Grigoriy Zyryanov, Vladimir Rusinov

Chimica Techno Acta, 2026, Volume 13, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9537>

2. 4,5-Diaryl-3-hydroxy-2,2-bipyridine-6-carbonitriles as prospective luminophores

Authors: Evgeny D. Ladin, Yaroslav K. Shtaitz, Vladimir V. Chernyshov, Ilia A. Eliseev, Maria I. Valieva, Yulia M. Sayfutdinova, Svetlana E. Vatolina, Ksenia D. Krasnoperova, Youcef Ballou, Dmitry S. Kopchuk et al. (11 authors total)

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.10>

3. (Mechano)synthesis of azomethine- and terpyridine-linked diketopyrrolopyrrole-based polymers

Authors: Wahab K. A. Al-Ithawi, Albert F. Khasanov, Maria I. Valieva, Artem V. Baklykov, Konstantin A. Chistiakov, Evgeny D. Ladin, Igor S. Kovalev, Igor L. Nikonov, Grigory A. Kim, Vadim A. Platonov et al. (13 authors total)

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 4 | per year: 1.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.04>

4. New

2,5-bis(2-ethylhexyl)pyrrolo3,4-cpyrrole-1,4(2H,5H)-dione-2,2-bipyridine-based co-polymer, synthesis, photophysical properties and response to metal cations

Authors: Alexey P. Krinochkin, Maria I. Savchuk, Ekaterina S. Starnovskaya, Igor L. Nikonov, Artem V. Baklykov, Ekaterina A. Kudryashova, Svetlana S. Rybakova, Evgeny D. Ladin, Dmitry S. Kopchuk, Zhuo Wang et al. (11 authors total)

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.17>

5. Synthesis of highly stable luminescent molecular crystals based on (E)-2-((3-(ethoxycarbonyl)-5-methyl-4-phenylthiophen-2-yl)amino)-4-oxo-4-(p-tolyl)but-2-enoic acid

Authors: N. A. Zhestkij, E. V. Gunina, S. P. Fisenko, A. E. Rubtsov, D. A. Shipilovskikh, V. A. Milichko, S. A. Shipilovskikh

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 10 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.11>

6. Bispyrenylalkane Chemosensor for the Naked-eye Detection of Nitro-explosives

Authors: I. S. Kovalev, L. K. Sadiyeva, O. S. Taniya, V. M. Yurk, A. S. Minin, D. S. Kopchuk, G. V. Zyryanov, V. N. Charushin, O. N. Chupakhin

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 3 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.09>

Nuclear materials and radiation effects — 6 articles

1. Structural properties, morphology, total conductivity and oxygen mobility of composite materials based on Bi cerates

Authors: Nikita Ereemeev, Semyon Mironov, Ekaterina Sadovskaya, Tamara Krieger, Arcady Ishchenko, Artyom Ulikhin, Vladislav Sadykov, Yulia Bepalko

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9074>

2. Dilatometric characteristics of weakly sintered ceramics

Authors: Yury I. Komolikov, Larisa V. Ermakova, Vladimir R. Khrustov, Victor D. Zhuravlev

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.12>

3. Synthesis, structure and electrical properties of Li-doped pyrochlore Gd₂Zr₂O₇

Authors: Irina A. Anokhina, Irina E. Animitsa, Anastasia F. Buzina, Vladimir I. Voronin, Vladimir B. Vykhodets, Tatyana E. Kurennykh, Yuri P. Zaikov

Chimica Techno Acta, 2020, Volume 7, Issue 2, pp. 51-60

Citations: 4 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2020.7.2.02>

4. Synthesis and Properties of Vanadium Substituted Bismuth Tungstates with Fluorite-like Structure

Authors: Olga S. Kaimieva, Irina E. Sabirova, Elena S. Buyanova, Sophia A. Petrova

Chimica Techno Acta, 2019, Volume 6, Issue 2, pp. 46-50

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2019.6.2.02>

5. The impact of Nd₃La₃ substitution on the cation distribution and phase diagram in the La₂SrAl₂O₇-Nd₂SrAl₂O₇ system

Authors: I. A. Zvereva, E. A. Tugova, V. F. Popova, O. I. Silyukov, I. A. Minich

Chimica Techno Acta, 2018, Volume 5, Issue 1, pp. 80-85

Citations: 6 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2018.5.1.05>

6. Synthesis, structure and electrical properties of Mg-, Ni-codoped bismuth niobates

Authors: M. S. Koroleva, I. V. Piir, E. I. Istomina

Chimica Techno Acta, 2017, Volume 4, Issue 4, pp. 231-241

Citations: 9 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech/2017.4.4.04>

Quantum Dots Synthesis And Properties — 5 articles

1. One-step synthesis of sulfur quantum dots in the presence of primary, secondary, and tertiary amines

Authors: Dmitriy Shurpik, Inna Tanaeva, Olga Mostovaya, Ivan Stoikov

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.05>

2. Corrigendum to Morphological and structural features of the CdxPb1xS films obtained by CBD from ethylenediamine-citrate bath

Authors: A. D. Kutyavina, L. N. Maskaeva, V. I. Voronin, I. A. Anokhina, V. F. Markov

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.12>

3. Morphological and structural features of the CdxPb1xS films obtained by CBD from ethylenediamine-citrate bath

Authors: A. D. Kutyavina, L. N. Maskaeva, V. I. Voronin, I. A. Anokhina, V. F. Markov

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 3 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.10>

4. Kinetics of chemical bath deposition of zinc sulfide ZnS

Authors: A. A. Uritskaya, N. S. Kozhevnikova, T. V. Yakubova

Chimica Techno Acta, 2016, Volume 3, Issue 2, pp. 121-133

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2016.3.2.009>

5. Preparation of CdS-PbS solid solutions thin films by modifying of the cadmium sulfide film surface when it exposed to an aqueous solution of lead salt

Authors: N. A. Forostyanaya, A. O. Polepishina, V. F. Markov, L. N. Maskaeva

Chimica Techno Acta, 2014, Volume 1, Issue 3, pp. 98-103

Citations: 3 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2014.1.3.719>

Catalytic Processes in Materials Science — 4 articles

1. Effect of citric acid quantity on LaAlO₃ formation in sol-gel synthesis with combustion

Authors: Kristina Antropova, Ruslan Kuzmin, Natalia Aleksandrova, Alexander Yurgin, Julia Maljutina, Nomina Burkhinova

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.01>

2. Decomposition of light hydrocarbons on a Ni-containing glass fiber catalyst

Authors: M. V. Popov, M. V. Chudakova, P. B. Kurmashov, A. G. Bannov, A. V. Kleimenov

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.06>

3. Resistance of industrial nickel-containing methanation catalysts to the poisoning by organic carbon dioxide absorbents

Authors: V. N. Efremov, E. Z. Golosman, A. V. Kashinskaya, T. I. Mugenov, V. E. Zolotareva, B. I. Polivanov, A. P. Polushin

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 167-182

Citations: 7 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech/2017.4.3.02>

4. $\text{La}_{1-x}\text{Bi}_x\text{Mn}_{1-y}\text{Fe}_y\text{O}_{3-z}$

Authors: O. S. Kaymieva, Maria Morozova, E. S. Buyanova

Chimica Techno Acta, 2015, Volume 2, Issue 1, pp. 60-65

Citations: 0 | per year: 0.0

Crystallization and Solubility Studies — 4 articles

1. PEG- 4000 increases solubility and dissolution rate of vinpocetin in solid dispersion system

Authors: Yulia A. Polkovnikova, Tamara N. Glizhova, Naira V. Arutyunova, Natalya N. Sokulskaya

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s11>

2. Structure of the solubility diagram in the Na₂SO₄-Na₂CO₃-NaHCO₃-H₂O system at 0, 25 and 50 °C

Authors: L. Soliev, M. T. Jumaev, R. O. Turaev, H. R. Makhmadov, B. B. Dzabborov

Chimica Techno Acta, 2018, Volume 5, Issue 2, pp. 104-108

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2018.5.2.02>

3. Solubility and phase equilibria in the Na₂CO₃-NaHCO₃-H₂O system at 0 °C

Authors: L. Soliev, M. T. Dzhumayev, B. B. Dzabborov

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 191-201

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech/2017.4.3.04>

4. Solubility and phase equilibria in the Na, $\text{Na}_3\text{H}_2\text{O}$ system at 0

Authors: L. Soliev, M. T. Dzhumayev, B. B. Dzhabborov

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 191-201

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.3.04>

Electronic and Structural Properties of Oxides — 4 articles

1. Synthesis of copper-doped nanocrystalline tin stannate by thermal decomposition of a precursor

Authors: Alexander Aparnev, Anton Loginov, Alexander Bannov

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.05>

2. Facile synthesis of lanthanum-doped SrTiO_3 nanocubes mediated by cetyltrimethylammonium bromide and tert-butylamine under solvothermal condition and their tunable electrical properties

Authors: Yulia Eka Putri, Humaira Faradilla, Dedi Satria, Diana Vanda Wellia

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.07>

3. Effect of Sn doping on sinterability and electrical conductivity of strontium hafnate

Authors: Adelya S. Khaliullina, Anastasia N. Meshcherskikh, Liliya A. Dunyushkina

Chimica Techno Acta, 2023, Volume 10, Issue 1

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.13>

4. Optical response of SrTiO_3 thin films grown via a sol-gel-hydrothermal method

Authors: Yulia Eka Putri, Tio Putra Wendari, Restu Aulia Arham, Melvi Muharmi, Dedi Satria, Rahmayeni Rahmayeni, Diana Vanda Wellia

Chimica Techno Acta, 2023, Volume 10, Issue 1

Citations: 4 | per year: 1.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.08>

Thermal and Kinetic Analysis — 4 articles

1. Kinetics of solid-state oxidation of iron, copper and zinc sulfide mixture

Authors: Alexander M. Klyushnikov, Sergey M. Pikalov, Roza I. Gulyaeva

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 6 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.02>

4. Synthesis, crystal structure and electrophysical properties of triple molybdates containing silver, gallium and divalent metals

Authors: Irina Yu. Kotova, Aleksandra A. Savina, Alena I. Vandysheva, Dmitry A. Belov, Sergey Yu. Stefanovich

Chimica Techno Acta, 2018, Volume 5, Issue 3, pp. 132-143

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2018.5.3.02>

Ferroelectric and Piezoelectric Materials — 3 articles

1. Structural, dielectric, and energy storage properties of Na_{0.375}Bi_{0.375}Ca_{0.25}TiO₃ perovskite ceramic prepared via hydrothermal method

Authors: Muhammad Ali Akbar, Restu Rahmi Tazkiya, Zulhadjri Zulhadjri, Yulia Eka Putri, Arniati Labanni, Tio Putra Wendari

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.8936>

2. Molecular dynamic simulation of the N(C₄H₉)₄BF₄ (110) -Al₂O₃ interface

Authors: Igor Gainutdinov, Nikolay Uvarov

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.08>

3. Preparation and characterization of Bi₄xPr_xTi₃O₁₂ solid solutions

Authors: A. I. Klyndyuk, E. A. Chizhova, A. I. Poznyak

Chimica Techno Acta, 2017, Volume 4, Issue 4, pp. 210-217

Citations: 5 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech/2017.4.4.01>

Nuclear Materials and Properties — 3 articles

1. Radiation-stimulated adsorption processes on the surface of beryllium oxide

Authors: Turgara T. Tusseyev, Aktolkyn K. Danlybaeva, Saltanat S. Raimkul, Aizhan A. Kiykabaeva, Ospan M. Doszhanov

Chimica Techno Acta, 2022, Volume 9, Issue 1

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.1.06>

2. Diffusion of oxygen in hypostoichiometric uranium dioxide nanocrystals. A molecular dynamics simulation

Authors: K. A. Nekrasov, A. E. Galashev, D. D. Seitov, S. K. Gupta

Chimica Techno Acta, 2021, Volume 8, Issue 1

Citations: 5 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.1.07>

3. Modeling of a microstructure and calculation of a tortuosity factor for cathodic materials of LSMYSZ

Authors: A. S. Farlenkov, M. V. Ananov

Chimica Techno Acta, 2015, Volume 2, Issue 1, pp. 16-27

Citations: 3 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2015.2.1.002>

Carbon Nanotubes in Composites — 2 articles

1. Nanofibrous carbon (multi-wall carbon nanotubes) synthesis and electrochemical studies by using field-effect transistor setup

Authors: Ildar A. Mustafin, Arslan F. Akhmetov, Renat B. Salikhov, Ilnur A. Mullagaliev, Timur R. Salikhov, Rail N. Galiakhmetov, Olga V. Shabunina, Dmitry S. Kopchuk, Igor S. Kovalev, Akhat G. Mustafin

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.21>



2. CNT thin films based on epoxy mixtures fabrication, electrical characteristics

Authors: Timur Yumalin, Timur Salikhov, Biltu Mahato, Alexey Shiverskii, Sergey Abaimov, Renat Salikhov

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.05>

Lanthanide and Transition Metal Complexes — 2 articles

1. Structural and physicochemical study of erbium and holmium complexes with proline

Authors: Ali M. Al-Karawi, Alexander V. Knyazev, Haider M. Diaaldain, Svetlana S. Knyazeva, Vitaly Zh. Korokin, Roman V. Rummyantsev, Alexey A. Zolotukhin

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.8996>



2. Improved method for the obtaining DTTA-appended 2,2-bipyridine ligands for lanthanide cations

Authors: Dmitry S. Kopchuk, Alexey P. Krinochkin, ■aria I. Valieva, ■katerina S. Starnovskaya, Yaroslav K. Shtaitz, Svetlana S. Rybakova, Evgeny D. Ladin, Ekaterina A. Kudryashova, Elvira R. Sharafieva, ■leg N. Chupakhin

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.10>

Layered Double Hydroxides Synthesis and Applications — 2 articles

1. Hydrodeoxygenation of stearic acid over Co-Mg-Al-O mixed oxide catalysts

1. Crystallization kinetics of GdYScAlCo high-entropy bulk metallic glass

Authors: V. A. Bykov, D. A. Kovalenko, E. V. Sterkhov, T. V. Kulikova

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 4 | per year: 1.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.07>



2. The crystallization of thin Sb₂Te films with vacuum annealing and an electron beam

Authors: Anton A. Yushkov, Vladimir Yu. Kolosov

Chimica Techno Acta, 2023, Volume 10, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.11>

Silicone and Siloxane Chemistry — 2 articles

1. Modification conditions of poly-3-(2-aminoethylamino)propylsilsesquioxane with sulfur-containing groups as an instrument for influencing silver(I) sorption from multicomponent solutions

Authors: Ekaterina A. Melnik, Yulia S. Petrova, Victoria A. Osipova, Alexander V. Pestov, Lyudmila K. Neudachina

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9205>



2. Synthesis and research of polyfunctional silicon-containing amines new promoters of adhesion

Authors: K. Yu. Ivanova, M. V. Kuzmin, N. I. Koltsov

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 199-203

Citations: 4 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.11>

Solidification and crystal growth phenomena — 2 articles

1. Dynamics of electrocrystallization of dendritic zinc deposits in galvanostatic and potentiostatic modes

Authors: V. S. Nikitin, T. N. Ostanina, V. M. Rudoi, A. S. Farlenkov

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 208-217

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.3.022>



2. **[REDACTED]**

Authors: V. S. Nikitin, **[REDACTED]**, **[REDACTED]**, **[REDACTED]**, **[REDACTED]**

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 208-217

Citations: 0 | per year: 0.0

Advanced Thermoelectric Materials and Devices — 1 articles

1. Spinstate transition in the layered barium cobaltite derivatives and their thermoelectric properties

Authors: A. I. Klyndyuk, E. A. Chizhova, S. V. Shevchenko

Chimica Techno Acta, 2020, Volume 7, Issue 1, pp. 26-33

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2020.7.1.04>

Anodic Oxide Films and Nanostructures — 1 articles

1. Anodic behaviour of aluminium and its alloys in sodium chlorate solutions

Authors: A. V. Nechaev, A. A. Nechaev, A. A. Timina

Chimica Techno Acta, 2017, Volume 4, Issue 1, pp. 45-53

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.1.023>

Carbon and Quantum Dots Applications — 1 articles

1. The impact of dimethylformamide on the synthesis of graphene quantum dots derived from graphene oxide

Authors: Khuong T. Truong, Thach H. Pham, Khai V. Tran

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 3 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.05>

Copper-based nanomaterials and applications — 1 articles

1. Ag-decorated hollow copper microtubes as a photocathode for the hydrogen evolution reaction

Authors: Dmitry S. Dmitriev, Maksim I. Tenevich

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.17>

Dielectric properties of ceramics — 1 articles

1. The effect of processing conditions on the dielectric properties of doped calcium lanthanum nickelate

Authors: Yulia A. Deeva, Abdullo A. Mirzorakhimov, Alexey Yu. Suntsov, Nadezhda I. Kadyrova, Nina V. Melnikova, Tatyana I. Chupakhina

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 4 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.10>

Graphene research and applications — 1 articles

1. The catalytic effect of graphene oxide with varying degrees of oxidation with respect to the water dissociation reaction on bipolar membranes

Authors: Denis Bondarev, Alexander Bespalov, Victor Zabolotsky

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9134>

Magnesium Oxide Properties and Applications — 1 articles

1. Materials based on BIFEVOX and bismuth or iron simple oxides nanopowders

Authors: A. A. Krylov, Yu. V. Emelyanova, E. S. Buyanova, M. V. Morozova, A. I. Vylkov, A. Yu. Chuykin

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 202-208

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.3.05>

Magnetic Properties and Synthesis of Ferrites — 1 articles

1. Influence of the powders phase composition and sintering atmosphere on the structure and magnetic properties of Mn-Zn ferrites

Authors: Ruslan Kuzmin, Roman Khabirov, Anna Mass, Elena Lozhkina

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.16>

Metal Alloys Wear and Properties — 1 articles

1. Structural transformations and their impact on the mechanical and antifricion properties in the process of alloying graphitized hypereutectoid steel with copper

Authors: Natalia V. Stepanova, Elena A. Lozhkina

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.15>

Nanoparticles synthesis and applications — 1 articles

1. Characterization and potential applications of silver nanoparticles an insight on different mechanisms

Authors: Anton N. Kodintcev

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 9 | per year: 2.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.02>

Solid-state spectroscopy and crystallography — 1 articles

1. Proton-conducting membranes based on CsH_2PO_4 and copolymer of tetrafluoroethylene with vinylidene fluoride

Authors: Irina N. Bagryantseva, Yuri E. Kungurtsev, Valentina G. Ponomareva

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 7 | per year: 1.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.03>

ZnO doping and properties — 1 articles

1. Coupling photocatalysis and piezocatalysis in PVDFZnO nanofiber composites for efficient dye degradation

Authors: Daud A. Selimov, Dinara Sobola, Abdulatip Shuaibov, Richard Schubert, Rashid Gulakhmedov, Alina Rabadanova, Asiyat Magomedova, Farid Orudzhev

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 4 | per year: 4.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.16>

Electronic, Optical and Magnetic Materials — 29 articles

Magnetic and transport properties of perovskites and related materials — 17 articles

1. Electrical conductivity of BaM_2O_4 (M Nd, Sm) with a spinel structure

Authors: Nataliia Tarasova, Daniil Pyankov, Viktoria Zaviralova, Vladislava Gnatyuk, Ksenia Belova

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9038>

2. Structural and transport properties of La tungstate and its composite with nickel (II) and copper (II) oxides

Authors: Nikita Ereemeev, Yulia Bepalko, Ekaterina Sadovskaya, Tamara Krieger, Svetlana Cherepanova, Evgeny Suprun, Arcady Ishchenko, Mikhail Mikhailenko, Mikhail Korobeynikov, Vladislav Sadykov

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 2 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.05>

3. Doping effects on the structure, transport properties, and chemical stability of LaInO_3 perovskite A review

Authors: Anastasia Egorova, Ksenia Belova, Irina Animitsa

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.11>

4. Impact of calcium and copper co-doping on the oxygen transport of layered nickelates a case study of Pr_{1.6}Ca_{0.4}Ni₁Cu_yO₄ and a comparative analysis

Authors: Vladislav Sadykov, Nikita Ereemeev, Ekaterina Sadovskaya, Tatiana Zhulanova, Sergey Pikalov, Yulia Fedorova, Elena Pikalova

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 8 | per year: 4.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.11>

5. The novel Zn-doped hexagonal perovskite Ba₇In₆Al₂O₁₉ electrical conductivity and hydration

Authors: Irina Animitsa, Daniil Korona, Arina Bushueva, Roman Andreev, Sergey Nokhrin

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.03>

6. Synthesis and electrical properties of doped layered perovskites based on BaMInO₄ (M Y, Gd)

Authors: Nataliia Tarasova, Maxim Mashkovtsev, Maxim Domashenkov, Denis Khionin, Roman Bastrikov, Anzhelika Bedarkova

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.06>

7. Novel Nb₅-doped hexagonal perovskite Ba₅In₂Al₂ZrO₁₃ (structure, hydration, electrical conductivity)

Authors: Roman D. Andreev, Daniil V. Korona, Irina A. Anokhina, Irina E. Animitsa

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 6 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.14>

8. Synthesis, structure and magnetic properties of Ti doped La₂MnNiO₆ double perovskite

Authors: Uma Dutta, Ariful Haque, Md. Motin Seikh

Chimica Techno Acta, 2019, Volume 6, Issue 3, pp. 80-92

Citations: 12 | per year: 1.7

DOI: <https://doi.org/10.15826/chimtech.2019.6.3.01>

9. Study and optimization of the synthesis routine of the single phase YBaCo₂O₆-double perovskite

Authors: A. L. Sednev, D. S. Tsvetkov

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 183-190

Citations: 5 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech/2017.4.3.03>

10. Preparation and characterization of Bi_{26-2x}Mn_{2x}Mo₁₀O_{69-d} and Bi_{26.4}Mn_{0.6}Mo_{10-2y}Me_{2y}O_{69-d} (Me V, Fe) Solid Solutions

Authors: Z. A. Mikhaylovskaya, M. V. Morozova, E. S. Buyanova, S. A. Petrova, I. V. Nikolaenko, D. G. Kellerman

Supercapacitor Materials and Fabrication — 4 articles

1. Carbon nanofiberbased CuSn(O \cdot)₆ and CuSnO₃ composites for NO₂ gas sensors and supercapacitors

Authors: Anton V. Loginov, Alexander I. Aparnev, Oksana O. Novgorodtseva, Alexander G. Bannov

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 1 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.9167>

2. Novel direct synthetic route of 2D Prussian Blue analogue, nanocrystalline CuHCF, as highly effective cathode materials for Zn-ion supercapacitors

Authors: Maria V. Kaneva, Anastasia K. Bachina, Artem A. Lobinsky

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 2 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.19>

3. Synthesis of highly-porous nitrogen-doped carbon materials by pyrolysis of melamine-formaldehyde resin using a hard template

Authors: Yuliya Sinelnikova, Alexander Nizovskii, Nikolai Uvarov

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.13>

4. Effect of chemical treatment of multi-walled carbon nanotubes on the specific capacitance of supercapacitors

Authors: Valeriy V. Golovakhin, Ekaterina Yu. Kim, Oksana N. Novgorodtseva, Alexander G. Bannov

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.12>

Multiferroics and related materials — 3 articles

1. Synthesis, structure, and visible-light-driven activity of o-YbFeO₃h-YbFeO₃CeO₂ photocatalysts

Authors: Sofia M. Tikhanova, Lev A. Lebedev, Svetlana A. Kirillova, Maria V. Tomkovich, Vadim I. Popkov

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 7 | per year: 1.4

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.07>

2. Phase equilibria in the YFeO₃ Y \cdot oO₃ system in air

Authors: A. V. Bryuzgina, A. S. Urusova, I. L. Ivanov, V. A. Cherepanov

Chimica Techno Acta, 2021, Volume 8, Issue 1

Citations: 4 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2021.8.1.08>

3. Low-temperature synthesis under low oxygen pressure and thermodynamic properties of YbFe₂O₄-

Authors: L. B. Vedmid', V. M. Dimitrov, O. M. Fedorova

Chimica Techno Acta, 2018, Volume 5, Issue 1, pp. 49-54

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2018.5.1.03>

Crystal Structures and Properties — 2 articles

1. Synthesis, crystal structure, and thermal stability of double borate Na₃ErB₂O₆

Authors: Alexey K. Subanakov, Evgeniy V. Kovtunets, Bair G. Bazarov, Jibzema G. Bazarova

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 2 | per year: 0.4

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.02>

2. Triple molybdates one-, one - and three(two)valence metals

Authors: G. E. Khaikina, S. F. Solodovnikov, O. M. Basovich, Z. A. Solodovnikova, Yu. M. Kadyrova, A. A. Savina, E. S. Zolotova, V. N. Yudin, T. S. Spiridonova

Chimica Techno Acta, 2015, Volume 2, Issue 4, pp. 356-390

Citations: 5 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2015.2.4.032>

Gold and Silver Nanoparticles Synthesis and Applications — 2 articles

1. Phosphorous-containing copolymers loaded with silver nanoparticles for biomedical purposes

Authors: Marina Gorbunova, Larisa Lemkina, Yulia Beloglazova

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s13>

2. Glucose-assisted polyol synthesis of silver nanoplates and nanoprisms in the presence of oxyethylated carboxylic acid

Authors: Alexander A. Titkov, Tatiana A. Borisenko, Olga A. Logutenko

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 4 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.09>

Organic and Molecular Conductors Research — 1 articles

1. Physicochemical conditions for the stability of manganese-doped nanolayers of gallium arsenide and its iso-electronic analogues

Authors: Yu. V. Terenteva, L. V. Fomina, S. A. Beznosyuk

Chimica Techno Acta, 2015, Volume 2, Issue 1, pp. 66-77

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.1.007>

Polymers and Plastics — 12 articles

Conducting polymers and applications — 3 articles

1. Chitosan-based polyelectrolyte complex in combination with allotropic forms of carbon as a basis of thin-film organic electronics

Authors: Rufina Zilberg, Renat Salikhov, Ilnur Mullagaliev, Yulia Teres, Elena Bulysheva, Timur Salikhov, Anastasia Ostaltsova, Ivan Vakulin

Chimica Techno Acta, 2024, Volume 11, Issue 3

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.3.02>

2. Mathematical description of polythiophene paradox for potentiostatic electropolymerization of electrochemically modified thiophenes

Authors: V. V. Tkach, S. C. De Oliveira, R. Ojani, O. V. Elenich, P. I. Yagodynets

Chimica Techno Acta, 2016, Volume 3, Issue 4, pp. 278-288

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2016.3.4.018>

3. The mathematical description of the electrosynthesis of composites of oxy-hydroxycompounds cobalt with polypyrrole overoxidized

Authors: V. V. Tkach, C. S. De Oliveira, J. Maia, B. G. Soares, R. Ojani, P. I. Yagodynets

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 30-45

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2016.3.1.003>

Polymer Nanocomposites and Properties — 2 articles

1. Interaction of silica with polystyrene mechanical properties, polymerfiller adhesion and failure behavior

Authors: Selvin P. Thomas

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.05>

2. Thermodynamics of disaggregated polymer composites based on nanosized powders of Ni and NiO

Authors: N. S. Volodina, T. V. Terziyan, A. P. Safronov, A. V. Petrov

Chimica Techno Acta, 2015, Volume 2, Issue 1, pp. 6-15

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.1.001>

Polymer Synthesis and Characterization — 2 articles

1. Antibacterial properties of biocides based on silver nanoparticles and organic acids

Authors: Christina Shakhbazova, Marina Gaidym, Alexandra Vishnevich, Maria Rubtsova, Dmitry Kopitsyn, Andrey Novikov

Chimica Techno Acta, 2025, Volume 12, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.3.05>

2. Identification of the monomeric composition of poly(styrene)acrylates

Authors: Yu. A. Yakovleva, N. A. Barykin, O. S. El'tsov

Chimica Techno Acta, 2016, Volume 3, Issue 3, pp. 193-212

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2016.3.3.014>

Dendrimers and Hyperbranched Polymers — 1 articles

1. PAMAM-calix-dendrimers as carriers for 5-fluorouracil complexation, aggregation, and in vitro antitumor activity

Authors: Pavel Padnya, Ilona Svintsova, Igor Shiabiev, Dmitry Pysin, Olga Mostovaya, Bahdan Ranishenka, Alesia Stanavaya, Viktor Abashkin, Dzmitry Shcharbin, Anastasia Nazarova et al. (11 authors total)

Chimica Techno Acta, 2025, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9369>

Flame retardant materials and properties — 1 articles

1. Effect of graphite filler on the physiochemical properties of graphite reinforced thermoset rooflite unsaturated polyester resin composites

Authors: M. Karunakaran, Ravi Subban, A. Thangamani, Chinnaswamy Vijayakumar Thangavel

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.08>

Polymer Nanocomposite Synthesis and Irradiation — 1 articles

1. Effect of MgCl₂ dopant on optical properties of tamarind gum based biopolymer electrolytes

Authors: Kaushik P.V.N.M., N. Krishna Jyothi, M. Gnana Kiran, I. Siva Ramakoti

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 2 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.03>

Polymer Science and PVC — 1 articles

1. (Mechano)chemical modification of polyvinyl chloride with azole-based drugs

Authors: Eman S. A. Al-Sammarraie, Wahab A.K. Al-Ithawi, Artem V. Baklykov, Vadim A. Platonov, Aqeel M.K. Altobee, Nikita S. Glebov, Albert F. Khasanov, Igor S. Kovalev, Igor L. Nikonov, Dmitry S. Kopchuk et al. (15 authors total)

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 4 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.11>

Transition Metal Oxide Nanomaterials — 1 articles

1. Sodium intercalation into - and -VOSO₄

Authors: W. Deriouche, E. Anger, N. Amdouni, V. Pralong

Chimica Techno Acta, 2019, Volume 6, Issue 1, pp. 31-36

Citations: 4 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2019.6.1.04>

Biomaterials — 10 articles

Nanocomposite Films for Food Packaging — 5 articles

1. Plasticized films based on PLA and PHB from the choice of plasticizer to the study of packaging perspective

Authors: Anna A. Sukhanova, Natalya L. Ertiletskaya, Kristina E. Zabolotnaya, Anatoly N. Boyandin, Sergei N. Syrtsov, Eugenia N. Tyulkina, Nikita D. Donskoy, Alexandr S. Samoilo

Chimica Techno Acta, 2026, Volume 13, Issue 1

Citations: 1 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.9315>

2. Copolymer of chitosan with acrylamide electron beam stimulated synthesis, structure and properties

Authors: Iliia M. Antonov, Mikhail A. Mikhailenko, Tatyana P. Shakhtshneider, Iliia V. Eltsov, Svetlana A. Kuznetsova, Maxim V. Zelikman, Alexander A. Bryazgin

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 2 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.12>

3. On the possibility of obtaining the elastic and biocompatible film materials based on chitosan and N-succinyl chitosan

Authors: Marina V. Bazunova, Roman Yu. Lazdin, Mariya R. Elinson, Lucia A. Sharafutdinova, Robert A. Mustakimov, Elena I. Kulish

Chimica Techno Acta, 2022, Volume 9, Issue 1

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.1.08>

4. Composite materials based on dental acrylic plastic and chitosan

Authors: L. A. Yakovishin, E. V. Tkachenko

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 4 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.13>

5. Kinetic instability of a chitosan aspartic acid water system as a method for obtaining nano- and microparticles

Authors: T. N. Lugovitskaya, A. B. Shipovskaya, X. M. Shipenok

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 3 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.05>

biodegradable polymer synthesis and properties — 1 articles

1. Improvement of biocompatibility of high molecular weight poly-3-hydroxybutyrate by blending with its functionalized oligomers

Authors: Anatoly N. Boyandin, Ljublyana M. Dvoynina, Aleksey G. Sukovaty, Anna A. Sukhanova, Natalya L. Ertiletskaya

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.01>

Electrospun Nanofibers in Biomedical Applications — 1 articles

1. Assessment of different crosslinked mechanisms on PVA-based membranes to achieve water resistant properties with iron imprinting sites

Authors: Ihsan Alfikro, Jorena Jorena, Octavianus Cakra Satya, Erry Koriyanti, Fiber Monado, Idha Royani

Chimica Techno Acta, 2024, Volume 11, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.3.01>

Magnesium Alloys Properties and Applications — 1 articles

1. Improvement of protective oxide layers formed by high-frequency plasma electrolytic oxidation on Mg-RE alloy with LPSO-phase

Authors: Alisa O. Cheretaeva, Pavel A. Glukhov, Marat R. Shafeev, Alyona G. Denisova, Eugeny D. Borgardt, Anton V. Polunin, Alexander V. Katsman, Mikhail M. Krishtal

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 11 | per year: 3.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.12>

Nanoparticle-Based Drug Delivery — 1 articles

1. Inorganic nanocarriers based on calcium carbonate and silica oxide for passive breast cancer targeting

Authors: Alisa S. Postovalova, Yulia A. Tishchenko, Vladislava A. Rusakova, Timofey E. Karpov, Nina V. Gavrilova, Anna S. Rogova, Irina A. Gorbunova, Alexander S. Timin

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.12>

Silk-based biomaterials and applications — 1 articles

1. Modification of bacterial cellulose using silk fibroin -sheet crystals induced by ultrasonication

Authors: Mary Stephanie Carranza, Neil Andrew D. Bascos, Maria Carmen Tan, Francisco Franco Jr.

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.07>

Ceramics and Composites — 8 articles

Advanced ceramic materials synthesis — 4 articles

1. New ways of preparation of high-surface area granulated alumina supports

Authors: Yuliya V. Vatutina, Tatyana A. Lakizo, Ksenia A. Nadeina, Vera P. Pakharukova, Alena A. Pochtar, Zoya N. Lashinskaya, Evgeniy Yu. Gerasimov, Pavel P. Dik, Oleg V. Klimov, Aleksandr S. Noskov

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9164>

2. Phase composition and crystal structure of alumina-zirconia ceramics with varying LaAl₁₁O₁₈ content

Authors: Nina Cherkasova, Kristina Antropova, Aleksandr Legkodymov, Igor Nasennik, Georgiy Krivosheev, Urusveda Popova, Maria Zhulikova

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.03>

3. Features of calcium hexaaluminate formation in alumina-zirconia ceramics

Authors: Nina Cherkasova, Kristina Antropova, Ruslan Kuzmin, Kemal Emurlaev, Ivanna Kuchumova, Nomina Burkhinova, Yulia Zobova

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.17>

4. 



Authors: ■. ■. ■■■■■■■■■■, ■. ■. ■■■■■■■■■■

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 5-23

Citations: 0 | per year: 0.0

Glass properties and applications — 4 articles

1. Structural and physico-chemical properties of selected glasses in the (Ca 1- x Mg x)O-Al 2 O 3 system

Authors: Anatoly S. Arkhipin, Georgii M. Zhomin, Semen V. Kuzovchikov, Alexandra V. Khvan, Irina A. Uspenskaya

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.18>

2. Structural changes in V2O5-P2O5 glasses non-constant force field molecular dynamics and IR spectroscopy

Authors: A. A. Raskovalov, N. S. Saetova, I. S. Popov

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 3 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.11>

3. Investigation of Borosilicate Glasses with Simulated HLW Components and Determination of Their Chemical Durability

Authors: S. M. Shaydullin, E. A. Belanova, P. V. Kozlov, M. B. Remizov, E. M. Dvoryanchikova

Chimica Techno Acta, 2021, Volume 8, Issue 1

Citations: 6 | per year: 1.2

DOI: <https://doi.org/10.15826/chimtech.2021.8.1.05>

4. Simulation of borosilicate glasses with non-constant force field molecular dynamics

Authors: Anton A. Raskovalov

Chimica Techno Acta, 2018, Volume 6, Issue 1, pp. 4-11

Citations: 4 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2019.6.1.01>

General Materials Science — 6 articles

Material Properties and Applications — 5 articles

1. Determination of optimal parameters technological process of polling of copper wire with alloy POS-61

Authors: V. V. Aleksandrova, M. V. Kuzmin, A. O. Patianova, V. L. Semenov, R. I. Alexandrov

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s7>

2. Synthesis and research of polyfunctional silylureas used in electric deposition of tin-indium alloy

Authors: K. Yu. Ivanova, M. V. Kuzmin, L. G. Rogozhina, A. O. Patianova, V. L. Semenov, R. I. Alexandrov

Chimica Techno Acta, 2021, Volume 8, Issue 3

Citations: 3 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2021.8.3.05>

3. **Authors:** R. F. Tukhvatulina, Oleg S. Eltsov

Chimica Techno Acta, 2016, Volume 3, Issue 4, pp. 268-277

Citations: 0 | per year: 0.0

4. **Authors:** Andrey V. Nechaev, **Authors:** Yu. P. Zaikov, O. V. Limanovskaya, V. N. Nekrasov

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 24-29

Citations: 0 | per year: 0.0

5. The effect of fluorine-containing inhibitors of corrosion of copper in atmospheric conditions

Authors: M. G. Ivanov, A. V. Nechaev, V. S. Mokrushin, O. I. Ostroukhova

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 24-29

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2016.3.1.002>

Metallurgical and Alloy Processes — 1 articles

1. **Authors:** V. Suzdaltsev, **Authors:** Yu. P. Zaikov, O. V. Limanovskaya, V. N. Nekrasov

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 190-199

Citations: 0 | per year: 0.0

Surfaces, Coatings and Films — 2 articles

Electron and X-Ray Spectroscopy Techniques — 1 articles

1. Determination of platinum group elements in catalysts recycling products by SEM with energy dispersive spectrometer

Authors: Nikolai S. Chebykin, Ivan P. Sandalov, Dmitry A. Zamyatin, Sergey L. Votyakov

Chimica Techno Acta, 2020, Volume 7, Issue 1, pp. 13-16

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.1.02>

Surface Modification and Superhydrophobicity — 1 articles

1. Combination of fluorescent and spin labels a powerful method for the optimization of hydrophilic membranes for the separation of oil-in-water emulsions

Authors: Rita S. Alqubelat, Alena D. Kuznetsova, Denis O. Antonov, Maxim A. Mironov

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.15>

Engineering — 123 articles

Electrical and Electronic Engineering — 48 articles

Advancements in Battery Materials — 8 articles

1. Features of electronic states in the vicinity of band gap and atomic structure of Ta- and Nb-doped $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$

Authors: Maxim I. Vlasov, Evgenii A. Surzhikov, Alexander Yu. Germov, Evgeniya A. Il'ina, Ilya A. Weinstein

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.07>

2. Towards controlling the morphology of cobalt loaded nanocomposites in polyol process with polyethylene glycol

Authors: Anastasia Burmatova, Artur Khannanov, Liana Zubaidullina, Dmitry Emelianov, Olga Mostovaya, Ivan Stoikov, Nikolay Ulakhovich, Marianna Kuttyreva

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 2 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.13>

3. Electroreduction of silicon from the $\text{NaKIK}_2\text{SiF}_6$ melt for lithium-ion power sources

Authors: Rayana K. Abdurakhimova, Michail V. Laptev, Natalia M. Leonova, Anastasia M. Leonova, Alexander S. Schmygalev, Andrey V. Suzdaltsev

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 14 | per year: 3.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.24>

4. Effect of cooling rate on the structure and electrochemical properties of Mn-based oxyfluorides with cation-disordered rock-salt structure

Authors: Kseniya V. Mishchenko, Maria A. Kirsanova, Arseny B. Slobodyuk, Anna A. Krinitsyna, Nina V. Kosova

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 5 | per year: 1.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.10>

5. Borated graphite cathodes for low-temperature aluminum electrolysis

Authors: A. V. Rudenko, A. A. Kataev, M. M. Neupokoeva, O. Yu. Tkacheva

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 4 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.08>

6. Influence of a binder on the electrochemical behaviour of SiRGO composite as negative electrode material for Li-ion batteries

Authors: A. V. Korchun, E. Yu. Evshchik, S. A. Baskakov, O. V. Bushkova, Y. A. Dobrovolsky

Chimica Techno Acta, 2021, Volume 7, Issue 4, pp. 259-268

Citations: 4 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.21>

7. Effect of lithium borate coating on the electrochemical properties of LiCoO₂ electrode for lithium-ion batteries

Authors: Victor D. Zhuravlev, Ksenia V. Nefedova, Elizaveta Yu. Evschik, Elena A. Sherstobitova, Valery G. Kolmakov, Yury A. Dobrovolsky, Natalia M. Porotnikova, Andrey V. Korchun, Anna V. Shikhovtseva

Chimica Techno Acta, 2020, Volume 8, Issue 1

Citations: 3 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2021.8.1.01>

8. Supervalent doping of LiFePO₄ for enhanced electrochemical performance

Authors: N. V. Kosova, O. A. Podgornova

Chimica Techno Acta, 2015, Volume 2, Issue 4, pp. 326-342

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2015.2.4.030>

Advanced Battery Materials and Technologies — 7 articles

1. Structure-property correlations and rational design of organic ionic plastic crystals

Authors: Ivan Stebnitskii, Yulia Mateyshina, Nikolai Uvarov

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9172>

2. Li_{6.6}Al_{0.05}La₃Zr_{1.75}Nb_{0.25}O₁₂ thin film solid electrolyte synthesized by electrophoretic deposition

Authors: Efim Lyalin, Evgeniya Ilina, Elena Kalinina

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9073>

3. Phase composition and structure study of ionic systems $(1-x)(1-y)(\text{LiNO}_3 \text{ KNO}_3)_y \text{LiClO}_4 \text{-Al}_2\text{O}_3$

Authors: Mansur Ataev, Kamil Rabadanov, Malik Gafurov, Ahmed Amirov

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9051>

4. The effect of silicon dioxide on the structural, thermal and transport properties of an organic ionic plastic crystal $(n\text{-C}_4\text{H}_9)_4\text{NBF}_4$

Authors: Ivan Stebnitskii, Yulia Mateyshina, Nikolai Uvarov

Chimica Techno Acta, 2024, Volume 11, Issue 3

Citations: 4 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.3.07>

5. Electrolytes for solid state lithium batteries in the $\text{N13pipClO}_4\text{-LiClO}_4\text{-Al}_2\text{O}_3$ system for solid state lithium batteries

Authors: Daria Kyzlasova, Artem Ulihin, Nikolai Uvarov

Chimica Techno Acta, 2024, Volume 11, Issue 3

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.3.04>

6. Features of forming a low-temperature cubic $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ film by tape casting

Authors: Efim Lyalin, Larisa Pershina, Evgeniya Ilina, Konstantin Druzhinin, Semen Belyakov

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 3 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.09>

7. Synthesis and properties of polymer electrolytes based on polyurethane elastomer and lithium salts

Authors: Nikita Fedorov, Artem Ulihin, Nikolai Uvarov

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 2 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.11>

Electrochemical sensors and biosensors — 6 articles

1. DNA sensor based on carbon blackMethylene Blue arylamine analogue composite for doxorubicin detection

Authors: Dmitry Stoikov, Kamila Karaguzina, Dominika Kappo, Pavel Padnya, Ivan Stoikov

Chimica Techno Acta, 2025, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9234>

2. Voltammetric determination of sodium 5-(7-amino-3-cyanopyrazolo[1,5-a]pyrimidin-6-yl)tetrazol-2-ide as a promising antitumor molecule

Authors: Ivan A. Balin, Alexandra Vs. Ivoilova, Natalya A. Malakhova, Darya D. Oreshkova, Grigoriy V. Urakov, Konstantin V. Savateev, Vladimir L. Rusinov, Alla VI. Ivanova, Alisa N. Kozitsina

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9178>

3. Voltammetric DNA sensor for the DNA damage detection based on poly(Methylene blue) electrodeposited from deep eutectic solvent

Authors: Farida Kapralova, Aigerim Erlanova, Tatiana Krasnova, Rezeda Shamagsumova, Anna Porfireva

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 1 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.9204>

4. Voltammetric sensor based on electropolymerized poly(Neutral Red) and pillar[3]arene-2-hydroquinone ammonium derivative for dopamine and ascorbic acid determination

Authors: Dominika Kappo, Daniil I. Stoikov, Dmitry I. Stoikov, Kamila R. Karaguzina, Dmitry N. Shurpik, Ivan I. Stoikov, Gennady A. Evtugyn

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.02>

5. Electrochemical creatinine determination with metal-organic framework catalyst based on copper and acetylenedicarboxylic acid

Authors: Andrei V. Okhokhonin, Alsu A. Ibatullina, Yulia V. Izmozherova, Marina I. Stepanova, Anatoliy I. Matern, Alisa N. Kozitsina

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 2 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.01>

6. Electrochemical behavior of chloramphenicol on carbon electrodes in a microelectrochemical cell

Authors: Tatiana S. Svalova, Regina A. Zaidullina, Margarita V. Medvedeva, Elizaveta D. Vedernikova, Alisa N. Kozitsina

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.09>

Chalcogenide Semiconductor Thin Films — 4 articles

1. Annealing effect on temperature stability and mechanical stress at the Cd_xPb_{1-x}S film substrate interface

4. Electrophoretic deposition of coatings and bulk compacts using magnesium-doped aluminum oxide nanopowders

Authors: E. G. Kalinina, D. S. Rusakova, E. Yu. Pikalova

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 5 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.06>

Electrodeposition and Electroless Coatings — 3 articles

1. Electrodeposition of Ni-WC composite coatings formation, structure and properties

Authors: Polina M. Petukhova, Evdokiya G. Bushueva, Oksana N. Novgorodtseva, Vladislav D. Kizimov

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.08>

2. Composite electrochemical coatings of Ni-CrB₂ from sulfuric acid and sulfamate electrolytes formation, structure and properties

Authors: Polina Petukhova, Evdokiya Bushueva, Oksana Novgorodtseva

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.06>

3. Silicon phase origin on glassy carbon in KF-KCl-K₂SiF₆ fusion

Authors: S. I. Zhuk, L. M. Minchenko, O. V. Chemezov, V. B. Malkov, A. V. Isakov, Yu. P. Zaikov

Chimica Techno Acta, 2014, Volume 1, Issue 2, pp. 67-72

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2014.1.2.1047>

Gas Sensing Nanomaterials and Sensors — 3 articles

1. Ce₂Sn₂O₇ CNFs composite as a material for gas sensors and supercapacitors

Authors: Alexander I. Aparnev, Anton V. Loginov, Alexander G. Bannov, Oksana N. Novgorodtseva, Artem A. Shishin

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9052>

2. Electrochemical detection of simple alkanes by utilizing a solid-state zirconia-based gas sensor

Authors: Anatoly S. Kalyakin, Alexander N. Volkov

Chimica Techno Acta, 2023, Volume 10, Issue 1

Citations: 2 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.09>

3. Creating a virtual device for processing the results of sorption measurements in the study of zinc oxide nanorods

Authors: E. V. Maraeva, N. V. Permiakov, Y. Y. Kedruk, L. V. Gritsenko, Kh. A. Abdullin
Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 154-158

Citations: 9 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.03>

Aerosol Filtration and Electrostatic Precipitation — 2 articles

1. Role of fabrication parameters in enhancing cylindrical electret polypropylene fiber-based filters for air purification

Authors: Nikolay A. Pershin, Mikhail N. Efimov, Vladislav V. Sudin, Viktor V. Ivanov
Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.8952>

2. Elektrocyclone hydrodynamic flow computation

Authors: A. G. Titov, Z. R. Gilvanova, N. V. Inyushkin, A. I. Aitova, I. P. Shhelchkov, N. A. Tokareva, M. G. Mankov, S. A. Perfilov

Chimica Techno Acta, 2014, Volume 1, Issue 1, pp. 21-25

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2014.1.1.680>

Fuel Cells and Related Materials — 2 articles

1. Functionalized aluminum-graphene oxide for enhanced ion transport in solid polymer electrolytes

Authors: Krystalynn Gracella Angeline, Ridho Hantoro, Nova Sartika Wulansari, Fredina Destyorini, Andri Hardiansyah, Sylvia Ayu Pradanawati, Lizda Johar Mawarani, Nur Laila Hamidah

Chimica Techno Acta, 2026, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9258>

2. Use of electrochemical impedance spectroscopy to assess the stability of the anion exchange membrane MA-41, modified by poly-N,N-diallylmorpholine bromide in overlimiting current modes

Authors: Denis A. Bondarev, Aslan R. Achok, Alexander V. Bepalov, Stanislav S. Melnikov, Mikhail V. Sharafan, Viktor I. Zabolotskiy

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.04>

Microwave Dielectric Ceramics Synthesis — 2 articles

1. Synthetic strategy toward furyl- and benzofuryl-containing building blocks for organic materials

Authors: Diana A. Eshmemeteva, Danil K. Vshivkov, Yury A. Vasev, Danil A. Myasnikov

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.03>

Organic Light-Emitting Diodes Research — 1 articles

1. Synthesis and luminescence of 3-(pyridine-2-yl)-1,2,4-triazine-based Ir(III) complexes

Authors: Basim S.M. Al-Ghezi, Igor S. Kovalev, Maria V. Sangalova, Alena A. Noskova, Albert F. Khasanov, Nikita S. Glebov, Yaroslav K. Shtaitz, Maria I. Valieva, Alexey P. Krinochkin, Olga V. Shabunina et al. (12 authors total)

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.09>

solar cell performance optimization — 1 articles

1. Development of technology for obtaining electrodes based on copper wire using in the manufacture of solar modules

Authors: M. S. Illarionova, K. Y. Ivanova, M. V. Kuzmin, A. O. Patianova, V. L. Semenov

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s1>

Thin-Film Transistor Technologies — 1 articles

1. Optical properties of zinc oxide coating with an anisotropic network of nickel fibers

Authors: Guliya Nizameeva, Viktoria Kuznetsova, Elgina Lebedeva, Irek Nizameev

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.11>

Biomedical Engineering — 32 articles

Advanced Chemical Sensor Technologies — 6 articles

1. Mechanosynthesis of equol-based polycarbonate and polyester as chemosensors for detection of nitro-explosives

Authors: Wahab K.A. Al-Ithawi, Artem V. Baklykov, Vadim A. Platonov, Youcef Ballou, Omkar Pokharkar, Albert F. Khasanov, Igor S. Kovalev, Igor L. Nikonov, Dmitry S. Kopchuk, Rina F. Samigullina et al. (13 authors total)

Chimica Techno Acta, 2025, Volume 12, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.3.06>

2. Voltammetric electronic tongue for identification the pharmaceutical preparations of naproxen

Authors: R. A. Zilberg, E. O. Bulysheva, Yu. B. Teres, A. A. Volkova, G. I. Ishmakayeva, G. R. Mukhametdinov, I. V. Vakulin

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 1 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.04>

3. Electrochemical sensor for the detection of serine -lactamase catalytic activity

Authors: Victoria V. Shumyantseva, Tatiana V. Bulko, Galina V. Presnova, Vitaly G. Grigorenko, Maya Yu. Rubtsova

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.07>

4. Bismuth-coated screen-printed carbon electrodes for quantitative voltammetric determination of formaldehyde in urotropin

Authors: Alexander B. Kifle, Nataliya A. Malakhova, Polina N. Mozharovskaia, Svetlana Yu. Saraeva, Alisa N. Kozitsina

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.04>

5. Portable potentiometric device for determining the antioxidant capacity

Authors: Elena Salimgareeva, Dinara Igdisanova, Daria Gordeeva, Elena Yarkova, Anatoly Matern, Elena Gerasimova, Alla Ivanova

Chimica Techno Acta, 2022, Volume 10, Issue 1

Citations: 6 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.04>

6. Solvent effect on the NO₂ sensing properties of multi-walled carbon nanotubes

Authors: Nikita I. Lapekin, Tatyana V. Anufrieva, Arina V. Ukhina, Artem A. Shestakov, Alexander G. Bannov

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.11>

Bone Tissue Engineering Materials — 4 articles

1. Ceramic materials based on lanthanum zirconate for the bone augmentation purposes cytocompatibility in a cell culture model

Authors: Maria Ulitko, Yulia Antonets, Irina Antropova, Albert Mullabaev, Elena Volokitina, Anna Kasyanova, Ekaterina Loginova, Nataliia Tarasova

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.02>

2. Sorption analysis of composites based on zinc oxide for catalysis and medical materials science

Authors: Evgeniya Maraeva, Dmitriy Radaykin, Anton Bobkov, Nikita Permiakov, Vasily Matveev, Alexander Maximov, Vyacheslav Moshnikov

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.22>

3. Soft mechanochemical synthesis and thermal stability of hydroxyapatites with different types of substitution

Authors: Natalya V. Eremina, Svetlana V. Makarova, Denis D. Isaev, Natalya V. Bulina

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 7 | per year: 1.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.05>

4. Ceramic materials based on lanthanum zirconate for the bone augmentation purposes materials science approach

Authors: Nataliia Tarasova, Anzhelika Galisheva, Ksenia Belova, Anastasia Mushnikova, Elena Volokitina

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 7 | per year: 1.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.09>

Membrane-based Ion Separation Techniques — 3 articles

1. Modified bipolar membrane for electrodialysis processing of highly concentrated sodium nitrate and boric acid solution

Authors: Nazar Romanyuk, Julia Loza, Sergey Loza, Nikita Kovalchuk, Victor Zabolotsky

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.15>

2. Using a microheterogeneous model to assess the applicability of ion-exchange membranes in the process of reverse electrodialysis

Authors: D. V. Davidov, E. N. Nosova, S. A. Loza, A. R. Achoh, A. N. Korzhov, S. S. Melnikov

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 3 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.05>

3. Electrodialysis concentration of sulfuric acid

Authors: S. A. Loza, N. A. Smyshlyaev, A. N. Korzhov, N. A. Romanyuk

Chimica Techno Acta, 2021, Volume 8, Issue 1

Citations: 9 | per year: 1.8

DOI: <https://doi.org/10.15826/chimtech.2021.8.1.06>

Characterization and Applications of Magnetic Nanoparticles — 2 articles

1. Encapsulation of metallic iron magnetic nanoparticles by polyacrylamide in water suspensions

Authors: A. Shankar, A. P. Safronov, I. Beketov

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 158-166

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech/2017.4.3.01>

2. Encapsulation of metallic iron magnetic nanoparticles by polyacrylamide in water suspensions

Authors: A. Shankar, A. P. Safronov, I. Beketov

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 158-166

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.3.01>

Graphene and Nanomaterials Applications — 2 articles

1. Synthesis, physicochemical characterization and antibacterial activity of carbon coatings

Authors: Polina Lapina, Evgeny Gorodnichiy, Dmitry Raikov, Irina Bazhukova, Yulia Kuznetsova, Andrei Korelin, Viktor Kuznetsov

Chimica Techno Acta, 2025, Volume 13, Issue 1

Citations: 1 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.9243>

2. Corrigendum to The impact of dimethylformamide on the synthesis of graphene quantum dots derived from graphene oxide

Authors: Khuong T. Truong, Thach H. Pham, Khai V. Tran

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.06>

Innovative Microfluidic and Catalytic Techniques Innovation — 2 articles

1. Drop motion during mass transfer accompanied by interphase convection

Authors: Anatolii G. Titov, Zalina R. Rusinova, Ekaterina A. Kalimullina, Anatolii M. Vorobev

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s9>

2. An Improved Process for the Preparation of the p-tert-butylcalix4arene from Laboratory-scale Synthesis to Scale-up Development

Authors: A. A. Fat'yanova, A. S. Gusak, O. A. Trofimova, P. E. Prokhorova

Chimica Techno Acta, 2016, Volume 3, Issue 2, pp. 134-146

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2016.3.2.010>

Laser-Ablation Synthesis of Nanoparticles — 2 articles

1. Synthesis of nanopowders by the glycine-nitrate method in the In-Dy-O system

Authors: Tatiana D. Malinovskaya, Sergei A. Ghyngazov, Alexander I. Aparnev, Valentina V. Zhek

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.03>

2. Encapsulation of Ni nanoparticles with oxide shell in vapor condensation

Authors: I. V. Beketov, A. P. Safronov, A. I. Medvedev, A. M. Murzakaev, I. S. Zhidkov, S. O. Choloh, A. D. Maximov

Chimica Techno Acta, 2019, Volume 6, Issue 3, pp. 93-103

Citations: 4 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2019.6.3.02>

Metal Extraction and Bioleaching — 2 articles

1. Kinetics of nitric acid leaching of bornite and chalcopyrite

Authors: Yuri Shklyaev, Oleg Dizer, Tatiana Lugovitskaya, Dmitry Golovkin, Denis Rogozhnikov

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.10>

2. Electrochemical copper extraction from sulphate electrolyte

Authors: E. G. Demina, A. B. Darintseva, I. B. Murashova

Chimica Techno Acta, 2014, Volume 1, Issue 3, pp. 104-110

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.3.720>

Advanced Materials Characterization Techniques — 1 articles

1. Surface reactions with participation of oxides of molybdenum and tungsten the influence of external factors

Authors: A. F. Guseva, M. V. Trifonova, N. N. Pestereva

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 68-84

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2016.3.1.006>

Advanced Sensor and Energy Harvesting Materials — 1 articles

1. Piezo-, photo- and piezophotocatalytic activity of electrospun fibrous PVDFCTAB membrane

Authors: Alina Rabadanova, Magomed Abdurakhmanov, Rashid Gulakhmedov, Abdulatip Shuaibov, Daud Selimov, Dinara Sobola, Klara Stokov, Shikhgasan Ramazanov, Farid Orudzhev

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 18 | per year: 4.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.20>

Advanced Theoretical and Applied Studies in Material Sciences and Geometry — 1 articles

1. Computer modeling of the mechanisms of melting metal nanoparticles of different shapes

Authors: A. E. Bandin, M. S. Zhukovsky, S. A. Beznosyuk

Chimica Techno Acta, 2014, Volume 1, Issue 3, pp. 93-97

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.3.718>

Biodiesel Production and Applications — 1 articles

1. Esterification of used cooking oil using ZSM-5 and HY zeolite catalysts for low-cost biodiesel feed production

Authors: Teguh Riyanto, Hermawan Dwi Ariyanto, Anggun Puspitarini Siswanto

Chimica Techno Acta, 2026, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9133>

Biosensors and Analytical Detection — 1 articles

1. Comparison of Au, Au-Pt, and Au-Ag nanoparticles as markers for immunochromatographic determination of nonylphenol

Authors: Anna N. Berlina, Maria Y. Ragozina, Nadezhda S. Komova, Kseniya V. Serebrennikova, Anatoly V. Zherdev, Boris B. Dzantiev

Chimica Techno Acta, 2022, Volume 10, Issue 1

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.03>

Environmental remediation with nanomaterials — 1 articles

1. Development of nanostructured catalysts for catalytic oxidative water purification from organic impurities, including phenolic compounds

Authors: Larissa R. Sassykova, Binara T. Dossumova, Madina S. Ilmuratova, Tatyana V. Shakiyeva, Bedelzhan B. Baizhomartov, Albina R. Sassykova, Zhanar M. Zhaxibayeva, Tleutai S. Abildin

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 5 | per year: 1.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.09>

Nanotechnology research and applications — 1 articles

1. The study of self-assembly and self-organization of atomic metal nanoparticles of iron group by Monte Carlo method

Authors: M. S. Grishko, M. S. Zhukovsky, S. A. Beznosyuk

Chimica Techno Acta, 2014, Volume 1, Issue 1, pp. 38-44

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.1.695>

Phase Equilibria and Thermodynamics — 1 articles

1. To the possibility of experimental estimation of the diffusion spinodal position of binary mixture with LCST via pulsed heating method

Authors: Alexander A. Igolnikov, Aleksandr D. Yampol'skiy

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 4 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.08>

Polymer-Based Agricultural Enhancements — 1 articles

1. Slow-release agricultural pesticide formulations state of the art

Authors: Anatoly N. Boyandin, Anna A. Sukhanova, Natalya L. Eriletskaya

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 5 | per year: 1.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s10>

Mechanical Engineering — 24 articles

Metallurgical Processes and Thermodynamics — 6 articles

1. Effect of Al₂O₃ and CaF₂ additives on the viscosity of conventional cryolite melts

Authors: A. S. Lyutina, A. A. Kataev, A. V. Rudenko, O. Yu. Tkacheva

Chimica Techno Acta, 2021, Volume 8, Issue 3

Citations: 5 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.3.06>

2. Thermodynamic assessment of oxide system In₂O₃-SnO₂-ZnO

Authors: T. Jantzen, K. Hack, E. Yazhenskikh, M. Müller

Chimica Techno Acta, 2018, Volume 5, Issue 4, pp. 166-188

Citations: 16 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2018.5.4.02>

3. Thermodynamic database for multicomponent oxide systems

Authors: S. A. Decterov

Chimica Techno Acta, 2018, Volume 5, Issue 1, pp. 16-48

Citations: 18 | per year: 2.2

DOI: <https://doi.org/10.15826/chimtech.2018.5.1.02>

4. Phase equilibria, crystal structure and oxygen nonstoichiometry of the complex oxides in the Sm (Sr, Ba) (Co, Fe) O systems

Authors: N. E. Volkova, L. V. Khvostova, A. P. Galaida, L. Ya. Gavrilova, V. A. Cherepanov

Chimica Techno Acta, 2018, Volume 5, Issue 1, pp. 55-79

Citations: 3 | per year: 0.4

DOI: <https://doi.org/10.15826/chimtech.2018.5.1.04>

5. About the stabilization of the dendritic structure of GG brand copper powder

Authors: O. G. Reznikova, A. B. Darintseva, I. B. Murashova

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 116-126

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.2.012>

6. Interaction of ZG-refractory with mold flux and ambient air

Authors: A. V. Jagovcev, N. V. Obabkov

Chimica Techno Acta, 2014, Volume 1, Issue 3, pp. 111-116

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.3.722>

Catalysis and Hydrodesulfurization Studies — 4 articles

1. Investigation of the possibility to combine bulk and supported catalysts to increase the efficiency of hydrotreating process

Authors: Ksenia A. Nadeina, Polina P. Mukhacheva, Yuliya V. Vatutina, Sergey V. Budukva, Maxim A. Panafidin, Evgeniy Yu. Gerasimov, Oleg V. Klimov

Chimica Techno Acta, 2025, Volume 12, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.3.08>

2. Comparison of the HDS DBT reaction using bulk and supported catalysts

Authors: Polina P. Mukhacheva, Yuliya V. Vatutina, Ksenia A. Nadeina, Sergey V. Budukva, Maxim A. Panafidin, Vera P. Pakharukova, Mikhail V. Parfenov, Evgeny Yu. Gerasimov, Oleg V. Klimov, Aleksandr S. Noskov

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.06>

3. Testing conditions for CoMo HDS catalyst in the kinetic region integrated approach using the math calculations and catalytic experiments

Authors: Polina P. Mukhacheva, Yuliya V. Vatutina, Ivan A. Mik, Ksenia A. Nadeina, Maxim O. Kazakov, Oleg P. Klenov, Oleg V. Klimov, Aleksandr S. Noskov

1. The most effective techniques of industrial purification processes a technical review

Authors: Iltifat Hameed Saud, Forat Yasir AlJaberi

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 5 | per year: 1.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.03>

Extraction and Separation Processes — 1 articles

1. Continuous copper leaching technology

Authors: L. I. Mukhortova, O. E. Nasakin, A. V. Eremkin, I. V. Glushkov

Chimica Techno Acta, 2021, Volume 8, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.1.09>

Membrane Separation and Gas Transport — 1 articles

1. Mechanosynthesis of pentiptycene-based polyesters and polycarbonates

Authors: Wahab A.K. Al-Ithawi, Eman S. A. Al-Sammarraie, Artem V. Baklykov, Vadim A. Platonov, Aqeel M.K. Altobee, Nikita S. Glebov, Albert F. Khasanov, Igor S. Kovalev, Igor L. Nikonov, Dmitry S. Kopchuk et al. (11 authors total)

Chimica Techno Acta, 2024, Volume 11, Issue 3

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.3.06>

Mining and Gasification Technologies — 1 articles

1. Phase complex of the system Na,CaSO₄,CO₃,HCO₃-H₂O at 100 C

Authors: L. Soliev, M. T. Jumaev

Chimica Techno Acta, 2020, Volume 7, Issue 2, pp. 71-80

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2020.7.2.04>

Thermodynamic and Structural Properties of Metals and Alloys — 1 articles

1. Thermal properties of fluoride mixtures near the melting point

Authors: Aleksey Rudenko, Alexander Redkin, Evgeniya Ilina, Svetlana Pershina

Chimica Techno Acta, 2025, Volume 12, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.3.03>

Computational Mechanics — 7 articles

Cyclone Separators and Fluid Dynamics — 5 articles

1. Influence of feedstock composition on the pressure drop buildup in gas oil hydrotreater

Authors: Ivan A. Mik, Oleg P. Klenov, Ivan S. Golubev, Pavel P. Dik, Sergey I. Reshetnikov, Aleksandr S. Noskov

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.16>

2. Reducing of industrial atmospheric emissions using electrocyclone

Authors: Anatolii Titov, John Shrimpton, Cheng Shao, Zhuohan Li

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 169-172

Citations: 2 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.05>

3. Using the profiled elements to increase electrocyclone effectiveness

Authors: Anton Trinkunas, Lidia Pomortseva, Anatolii Titov, Zalina Rusinova

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 173-176

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.06>

4. Quantitative assessment of reentrainment in the electrocyclone

Authors: A. G. Titov, Z. R. Gil'vanova, E. A. Shevchenko, M. K. Masnaviev, A. A. Bir

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 226-233

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.3.024>

5. **Quantitative assessment of reentrainment in the electrocyclone**
Authors: A. G. Titov, Z. R. Gil'vanova, E. A. Shevchenko, M. K. Masnaviev, A. A. Bir

Authors: A. G. Titov, Z. R. Gilvanova, E. A. Shevchenko, M. K. Masnaviev, Atila Bir

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 226-233

Citations: 0 | per year: 0.0

Field-Flow Fractionation Techniques — 1 articles

1. The CTFM2022 special issue Chemical Technologies of Functional Materials

Authors: Nikolai F. Uvarov, Ermek A. Aubakirov

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.e>

Granular flow and fluidized beds — 1 articles

1. Evaluation of particle size effect on two-phase flow distribution in a hydrotreatment reactor guard bed using particle-resolved CFD simulations

Authors: Ivan A. Mik, Oleg P. Klenov, Ivan S. Golubev, Pavel P. Dik, Sergey I. Reshetnikov, Alexandr S. Noskov

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9072>

Ocean Engineering — 3 articles

Enhanced Oil Recovery Techniques — 2 articles

1. Influence of anionic surfactant on stability of nanoparticles in aqueous solutions

Authors: Dmitry O. Zelentsov, Yuliya Yu. Petrova, Alexander V. Korobkin, Anastasia A. Ivanova, Alexey N. Cheremisin, Ivan I. Shanenkov, Alexander Ya. Pak, Yuliya G. Mateyshina

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 3 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.02>

2. Synthesis and performance evaluation of polymeric surfactant from rice husk and polyethylene glycol for the enhanced oil recovery process

Authors: Slamet Priyanto, Ronny W. Sudrajat, Suherman Suherman, Bambang Pramudono, Teguh Riyanto, Desty D. Setianingrum, Alfin A. Pratama

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.06>

Marine Biology and Environmental Chemistry — 1 articles

1. Synthesis of polycalciumphenylsiloxane and composites based on the skeleton of a sea urchin with the resulting polymer

Authors: Nikolai ■. Shapkin, Irina G. Khalchenko, Kvan H. Kim, Evgeniy K. Papynov, Alexander N. Fedorets, Natalia V. Maslova, Michael I. Balanov

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s6>

Aerospace Engineering — 2 articles

High-Temperature Coating Behaviors — 1 articles

1. Development of technology for deposition of thick copper layers onto ceramic substrates applied in power electronics

Authors: Yuri K. Nepochatov, Pyotr M. Pletnev, Vladimir F. Kosarev, Tatiana S. Gudyma

Authors: A. N. Galushchinsky, K. L. Obydenov
Chimica Techno Acta, 2016, Volume 3, Issue 4, pp. 242-267
Citations: 0 | per year: 0.0
DOI: <https://doi.org/10.15826/chimtech.2016.3.4.016>

Chemistry — 110 articles

Organic Chemistry — 70 articles

Synthesis and Characterization of Heterocyclic Compounds — 18 articles

1. Comprehensive study of the possible electrotransformations of the sodium salt of 3-nitro-4-hydroxy-7-methylthio-4H-1,2,4triazolo5,1-c1,2,4triazinide monohydrate as potential antiviral drug

Authors: Polina N. Mozharovskaia, Ivan A. Balin, Alexandra Vs. Ivoilova, Anton N. Tsmokalyuk, Roman A. Drokin, Vladimir L. Rusinov, Alla V. Ivanova, Alisa N. Kozitsina
Chimica Techno Acta, 2025, Volume 12, Issue 4
Citations: 0 | per year: 0.0
DOI: <https://doi.org/10.15826/chimtech.8969>

2. Antituberculosis activity of some 3,6-disubstituted 1,2,4,5-tetrazines

Authors: Rashida I. Ishmetova, Ilya N. Ganebnykh, Nina K. Ignatenko, Irina G. Ovchinnikova, Olga V. Fedorova, Sergei N. Skornyakov, Gennady L. Rusinov
Chimica Techno Acta, 2024, Volume 11, Issue 4
Citations: 3 | per year: 1.5
DOI: <https://doi.org/10.15826/chimtech.2024.11.4.14>

3. Optimal strategy of new 6H-1,3,4-thiadiazines synthesis in search of the promising antidiabetic agents

Authors: Tatiana A. Tseitler, Larisa P. Sidorova, Alla V. Ivanova, Oleg N. Chupakhin
Chimica Techno Acta, 2024, Volume 11, Issue 4
Citations: 1 | per year: 0.5
DOI: <https://doi.org/10.15826/chimtech.2024.11.4.13>

4. Expedient synthesis of 1,2,4-triazinyl substituted benzocoumarins via double oxidation strategy

Authors: Ramil F. Fatykhov, Igor A. Khalymbadzha, Ainur D. Sharapov, Anastasia P. Potapova, Ekaterina S. Starnovskaya, Dmitry S. Kopchuk, Oleg N. Chupakhin
Chimica Techno Acta, 2023, Volume 10, Issue 2
Citations: 4 | per year: 1.3
DOI: <https://doi.org/10.15826/chimtech.2023.10.2.05>

5. The electrochemical behaviors character of a potential antiviral drug 3-nitro-4-hydroxy-7-methylthio-4H-1,2,4triazolo5,1-c1,2,4triazinide monohydrate

Authors: Polina N. Mozharovskaia, Alexandra V. Ivoilova, Roman A. Drokin, Alla V. Ivanova, Alisa N. Kozitsina, Vladimir L. Rusinov

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.26>

6. The synthesis of 1,2,4-triazines bearing the residues of higher alcohols in the 5-position via the ipso-substitution of cyano group under the solvent-free conditions

Authors: A. P. Krinochkin, D. S. Kopchuk, E. S. Starnovskaya, Ya. K. Shtaiz, A. F. Khasanov, I. S. Kovalev, O. S. Taniya, G. V. Zyryanov, V. L. Rusinov, O. N. Chupakhin

Chimica Techno Acta, 2017, Volume 4, Issue 2, pp. 112-119

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2017.4.2.026>

7. The features of nucleophilic substitution of the nitro group in 4-alkyl-6-nitro-1,2,4-triazolo5,1-c1,2,4triazines

Authors: E. N. Ulomsky, D. N. Lyapustin, V. V. Fedotov, O. S. El'tsov, I. M. Sapozhnikova, D. N. Kozhevnikov, E. M. Mukhin

Chimica Techno Acta, 2017, Volume 4, Issue 1, pp. 11-24

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2017.4.1.020>

8. Combinatorial approach to the synthesis of substituted 1,2,4-triazines

Authors: D. N. Kozhevnikov, V. N. Kozhevnikov

Chimica Techno Acta, 2017, Volume 4, Issue 1, pp. 25-28

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2017.4.1.021>

9. The redox transformations and nucleophilic replacements as possible metabolic reactions of the drug Triazaverin. The chemical modeling of the metabolic processes

Authors: N. R. Medvedeva, I. S. Sapozhnikova, V. L. Rusinov, E. N. Ulomsky

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 234-246

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2015.2.3.025>

10. **Authors:** N. R. Medvedeva, I. S. Sapozhnikova, V. L. Rusinov, E. N. Ulomsky

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 234-247

Citations: 0 | per year: 0.0

11. Synthesis of acyclic nucleoside analogues based on 1,2,4-triazolo1,5-apyrimidine-7-ones by one-step Vorbrggen glycosylation

Authors: I. A. Khalymbadzha, S. L. Deev, T. S. Shestakova, V. L. Rusinov, O. N. Chupakhin

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 158-163

Citations: 1 | per year: 0.1

12. 6- β -D-glucopyranosyl-1,5-anhydro-D-glucitol-2-ol-5,1-bis(4-oxo-3-aryltiazolidine-2-ylidene)-N-phenylethanthiamides derivatives from malondithioamides

Authors: I. S. Khazhieva, T. V. Glukhareva, Yu. Yu. Morzherin, E. N. Ulomsky, N. N. Machulskaya, V. A. Chereshev

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 127-130

Citations: 0 | per year: 0.0

13. Reaction of 4-acetyl-1,2,3-triazol-5-olate with hydrazine derivatives

Authors: I. S. Khazhieva, T. V. Glukhareva, Yu. Yu. Morzherin

Chimica Techno Acta, 2015, Volume 2, Issue 1, pp. 52-59

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2015.2.1.005>

14. 5-(4-oxo-3-aryltiazolidine-2-ylidene)-N-phenylethanthiamides derivatives from malondithioamides

Authors: I. S. Khazhieva, A. Yu. Platonova, T. V. Glukhareva, Yu. Yu. Morzherin

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 98-107

Citations: 0 | per year: 0.0

15. 4-acetyl-1,2,3-triazol-5-olate reaction with hydrazine derivatives

Authors: I. S. Khazhieva, T. V. Glukhareva, Yu. Yu. Morzherin

Chimica Techno Acta, 2015, Volume 2, Issue 1, pp. 52-59

Citations: 0 | per year: 0.0

16. Sulfur-containing heterocyclic compounds with potential antidiabetic activity

Authors: E. A. Savateeva, V. V. Emelyanov, A. V. Musalnikova, L. P. Sidorova, N. E. Maksimova, N. N. Machulskaya, V. A. Chereshev

Chimica Techno Acta, 2014, Volume 1, Issue 3, pp. 83-86

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2014.1.3.1161>

17. Synthesis of 2-(5-arylidene-4-oxo-3-aryltiazolidine-2-ylidene)-N-phenylethanthiamides derivatives from malondithioamides

Authors: K. L. Obydenov, N. A. Golovko, Yu. Yu. Morzherin

Chimica Techno Acta, 2014, Volume 1, Issue 2, pp. 73-75

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.2.715>

18. Synthesis and research of cis-trans isomerism for 5-(4-methoxybenzoyl)-6-(4-methoxyphenyl)-6,7-dihydro-5H-1,2,3-triazolo[5,1-b]1,3,4-thiadiazine

Authors: T. A. Kalinina, O. A. Bystrykh, J. S. Shakhmina, T. V. Glukhareva, Zhi-Jin Fan, Yu. Yu. Morzherin

Chimica Techno Acta, 2014, Volume 1, Issue 2, pp. 45-49

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.2.676>

Synthesis and biological activity — 6 articles

1. Synthesis, modification and cytotoxic properties of new 7-amino-5-arylazolo1,5-a pyrimidine-6-carbonitriles

Authors: Ilya I. Butorin, Vsevolod V. Melekhin, Denis D. Chirkov, Maria D. Tokhtueva, Andrey A. Zonov, Olga A. Konovalova, Elena A. Fesenko, Anna E. Chernysheva, Pavel A. Slepukhin, Svetlana K. Kotovskaya et al. (11 authors total)

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.02>

2. New spiro-heterocyclic coumarin derivatives as antibacterial agents design, synthesis and molecular docking

Authors: Abdallah F. Al-burgus, Omar T. Ali, Omar Y. Al-abbasy

Chimica Techno Acta, 2024, Volume 11, Issue 3

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.3.08>

3. Synthesis, computational study, solvatochromism and biological studies of thiazole-owing hydrazone derivatives

Authors: C. Kiran Yadav, B.P. Nandeshwarappa, K.M. Mussuvir Pasha

Chimica Techno Acta, 2023, Volume 10, Issue 1

Citations: 6 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.10>

4. Substituted benzocoumarin derivatives synthesis, characterization, biological activities and molecular docking with ADME studies

Authors: Megha G.V., Yadav D. Bodke, Shanavaz H., Muthipeedika Nibin Joy

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 5 | per year: 1.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.19>

5. Facile synthesis of some 5-(3-substituted-thiophene)-pyrimidine derivatives and their pharmacological and computational studies

Authors: S. H. Sukanya, Talavara Venkatesh, S.J. Aditya Rao, N. Shivakumara, Muthipeedika Nibin Joy

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 11 | per year: 2.2

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.01>

6. Technology of the pilot production of the tetrahydroquinoline derivative (3aS,4R)-4-cyano-1,2,3,3a,4,5-hexahydro-1H-pyrrolo[1,2-b]quinoline-4-carbothioamide

Authors: A. A. Poluikova, A. Yu. Platonova
Chimica Techno Acta, 2016, Volume 3, Issue 3, pp. 213-241
Citations: 0 | per year: 0.0
DOI: <https://doi.org/10.15826/chimtech.2016.3.3.015>

Quinazolinone synthesis and applications — 5 articles

1. Synthesis and cytotoxic activity of (2-arylquinazolin-4-yl)hydrazones of 2-hydroxybenzaldehydes

Authors: Emiliya V. Nosova, Ilya I. Butorin, Margarita D. Likhacheva, Svetlana K. Kotovskaya

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.11>

2. 8-Hydroxy-5-nitroquinoline as a C-nucleophilic reagent in the reaction of C, C-coupling with quinazoline

Authors: Yuri A. Azev, Olga S. Koptyaeva, Oleg S. Eltsov, Anton N. Tsmokalyuk, Tatyana A. Pospelova

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 237-241

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.18>

3. Direct CHCH functionalization of 1,3-dihydroxy-9H-xanthen-9-one and 1,3-dimethoxy-9H-xanthen-9-one with 1,2,4-triazines and quinazoline

Authors: A. D. Sharapov, R. F. Fatykhov, I. A. Khalymbadzha, O. N. Chupakhin

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 233-236

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.17>

4. New pathways for the synthesis of indolyl-containing quinazoline trifluoroacetohydrazides

Authors: Yu. A. Azev, O. S. Koptyaeva, O. S. Eltsov, Yu. A. Yakovleva, T. A. Pospelova

Chimica Techno Acta, 2020, Volume 7, Issue 3, pp. 109-115

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.3.03>

5. Synthetic approaches to 2-arylhetaryl- and 2-(hetaryl)ylidene derivatives of fluorinated 1,3-benzothiazin-4-ones

Authors: Emiliya V. Nosova, Olga A. Batanova, Nataliya N. Mochulskaya, Galina N. Lipunova

Chimica Techno Acta, 2020, Volume 7, Issue 3, pp. 96-103

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.3.01>

Chemical Reaction Mechanisms — 4 articles

1. Oxathiamacrocycles possessing 2(5 H)-furanone fragments as 2,2-macrocyclization products synthesis and structure

Authors: Lien T. Hoang, Alsu M. Khabibrakhmanova, Enze S. Rabbanieva, Olga A. Lodochnikova, Almira R. Kurbangalieva

Chimica Techno Acta, 2025, Volume 12, Issue 3

Citations: 2 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.3.02>

2. New naphtho[1,8-ef]perimidines synthesis, fluorescence studies and application for detection of nitroanalytes

Authors: Igor L. Nikonov, Leila K. Sadieva, Maria I. Savchuk, Ekaterina S. Starnovskaya, Dmitry S. Kopchuk, Igor S. Kovalev, Grigory M. Kim, Oleg N. Chupakhin

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.16>

3. A convenient synthetic approach to 5-(het)arylhydrazine substituted 1,2,4-triazines

Authors: A. P. Krinochkin, M. R. Guda, A. Rammohan, D. S. Kopchuk, G. V. Zyryanov, V. L. Rusinov, O. N. Chupakhin

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 204-208

Citations: 2 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.12>

4. Direct synthesis of 5-arylethynyl-1,2,4-triazines via direct CH-functionalization

Authors: M. I. Savchuk, E. S. Starnovskaya, Y. K. Shtaitz, A. P. Krinochkin, D. S. Kopchuk, S. Santra, M. Rahman, G. V. Zyryanov, V. L. Rusinov, O. N. Chupakhin

Chimica Techno Acta, 2020, Volume 7, Issue 3, pp. 104-108

Citations: 4 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2020.7.3.02>

Multicomponent Synthesis of Heterocycles — 4 articles

1. A review of benzotriazole derivatives versatile scaffolds for advancing therapeutics in medicinal chemistry

Authors: Pakin Noppawan, Kanokkan Worawut, Suthida Kunasut, Potchanee Keawkumsan, Baramee Phungpis

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9044>

2. Investigation of the reaction of dimedone with aromatic aldehydes in the presence of copper oxide nanoparticles

Authors: Ravina Meena, Harshita Sachdeva

Chimica Techno Acta, 2024, Volume 11, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.3.03>

3. Novel synthesis of 3-(Phenyl) (ethylamino) methyl)-4-hydroxy-2H-chromen-2-one derivatives using biogenic ZnO nanoparticles and their applications

Authors: G. C. Anjan Kumar, Yadav D. Bodke, B. Manjunatha, N. D. Satyanarayan, B. N. Nippu, Muthipeedika Nibin Joy

Chimica Techno Acta, 2022, Volume 9, Issue 1

Citations: 12 | per year: 3.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.1.04>

4. New possibilities of the functionalization of 6-hydrazino-1,3-dimethyluracils one-pot synthesis of 5,7-dimethylpyrazolopyrimidine-4,6-dione and 1,3-dimethyl-5-arylidenebarbituric acid derivatives

Authors: Yu. A. Azev, O. S. Koptyaeva, T. A. Pospelova

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.03>

Supramolecular Chemistry and Complexes — 4 articles

1. Biocompatibility of cucurbit n urils

Authors: Dmitry A. Fedorishin, Sedigheh Mousanezhad, Shohreh Mashayekhan, Yelena G. Shapovalova, Irina A. Kurzina, Abdigali A. Bakibaev

Chimica Techno Acta, 2025, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9216>

2. Towards nanomaterials with tubular pores synthesis and self-assembly of bis-pillar5arene

Authors: Dmitriy N. Shurpik, Yulia I. Aleksandrova, Lyaysan I. Makhmutova, Alan A. Akhmedov, Ivan I. Stoikov

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 3 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.12>

3. Synthesis of meso-2,2-bipyridyl-substituted calix4arenes and their response to metal cations

Authors: T. D. Moseev, A. F. Khasanov, M. V. Varaksin, D. S. Kopchuk, I. S. Kovalev, O. S. Taniya, M. Rahman, S. Santra, G. V. Zyryanov, O. N. Chupakhin et al. (11 authors total)

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 215-221

Citations: 3 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.14>

4. The synthesis and alkylation of p-tetrakischloro-calix4arene

Authors: E. A. Ivanova, T. V. Glukhareva, Yu. Yu. Morzherin

Chimica Techno Acta, 2014, Volume 1, Issue 1, pp. 7-13

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2014.1.1.729>

Synthesis and Biological Evaluation — 4 articles

1. Features of -C-C- coupling of quinoxaline-2-one with ethyl acetoacetate under acid catalysis

Authors: Y. A. Azev, O. S. Koptyaeva, A. A. Mkrtchan, T. A. Pospelova

Chimica Techno Acta, 2022, Volume 9, Issue 1

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.1.03>

2. Sensitivity of the phenoxy derivatives of 2,4-dihydro-5H-1,2,3-triazolo[4,5-d]pyrimidin-5-ones to acidic and basic stimuli

Authors: Alexander K. Eltyshev, Nataliya P. Belskaya

Chimica Techno Acta, 2021, Volume 8, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.3.03>

3. New monomers for (bi)pyridine-containing polymers

Authors: A. P. Krinochkin, M. I. Savchuk, E. S. Starnovskaya, Y. K. Shtaitz, D. S. Kopchuk, I. L. Nikonov, I. S. Kovalev, G. V. Zyryanov, V. L. Rusinov, O. N. Chupakhin

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 209-214

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.13>

4. New opportunities for the synthesis of quinoxaline derivatives

Authors: Olga S. Koptyaeva, Yuriy A. Azev, Yuriy M. Shafran, Tatyana A. Pospelova, Oleg N. Chupakhin

Chimica Techno Acta, 2019, Volume 6, Issue 1, pp. 12-23

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2019.6.1.02>

Chemical synthesis and pharmacological studies — 3 articles

1. Synthesis, intramolecular cyclization and anti-inflammatory activity of substituted 2-(2-(Furan-2-carbonyl)hydrazono)-4-oxobutanoic Acids

Authors: Sergei N. Igidov, Dmitriy V. Lipin, Aleksey Yu. Turyshev, Svetlana V. Chashchina, Daria A. Shipilovskikh, Olga V. Zvereva, Ksenia A. Mitusova, Pavel S. Silaichev, Nazim M. Igidov

Chimica Techno Acta, 2022, Volume 10, Issue 1

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.02>

2. Synthesis, recyclization under the action of methanol and analgetic activity of N'-(5-aryl-2-oxofuran-3(2H)-ylidene)furan-2-carbohydrazides

Authors: Sergei N. Igidov, Irina A. Gorbunova, Aleksey Yu. Turyshev, Daria A. Shipilovskikh, Danil A. Kozlov, Anna S. Rogova, Ramiz R. Makhmudov, Pavel S. Silaichev, Nazim M. Igidov

Chimica Techno Acta, 2022, Volume 10, Issue 1

Citations: 9 | per year: 2.2

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.01>

3. Synthesis and analgesic activity evaluation of derivatives of 2-(1,4-dioxo-1-amino-4-arylbutyl-2-en-2-yl)amino-4,5,6,7-tetrahydrobenzobthiophene-3-carboxylic acid

Authors: Alena I. Siutkina, Ramiz R. Makhmudov, Daria A. Shipilovskikh

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 2 | per year: 0.4

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.04>

Chemical Synthesis and Reactions — 3 articles

1. A method of mild deoxydichlorination of aldehydes catalyzed by Triphenylphosphine oxide

Authors: D. A. Shipilovskikh, M. F. Konkova, I. P. Nikonov, M. M. Gladysheva, S. A. Shipilovskikh

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.02>



2. Deoxydichlorination of aldehydes catalyzed by Diphenyl sulfoxide

Authors: I. A. Gorbunova, D. A. Shipilovskikh, S. A. Shipilovskikh

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.08>



3. Conjugated Addition of Amines to Electron Deficient Alkenes A Green Approach

Authors: Anindita Mukherjee, Rana Chatterjee, Aramita De, Satyajit Samanta, Sachinta Mahato, Nirnita Chakraborty Ghosal, G. V. Zyryanov, Adinath Majee

Chimica Techno Acta, 2017, Volume 4, Issue 2, pp. 140-147

Citations: 3 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech/2017.4.2.029>

Chemical Thermodynamics and Molecular Structure — 2 articles

1. Modern instrumentation and practical application of flame atomic emission spectrometry

Authors: E. A. Zauer

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.09>



2. Mechanochemical recrystallization Forgotten basics and new possibilities

Authors: Farit Kh. Urakaev, Natalya V. Khan, Almagul I. Niyazbayeva, Dinar N. Zharlykasimova, Mukhambetkali M. Burkitbayev

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 3 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.13>

Photopolymerization techniques and applications — 2 articles

1. Synthesis and research of photocurable protective coatings on the basis of oligoesteracrylates

Authors: O. A. Karsakova, M. V. Kuzmin

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 229-232

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.16>

2. The study of the curing of the polyurethane coating by method of IR spectroscopy

Authors: N. A. Korshunova, R. F. Tukhvatullina, O. S. El'tsov

Chimica Techno Acta, 2016, Volume 3, Issue 4, pp. 268-277

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2016.3.4.017>

Sulfur-Based Synthesis Techniques — 2 articles

1. The transformations of thiols and their dimers in the redox-mediated thiol-disulfide exchange reaction

Authors: Daria A. Burmistrova, Ivan V. Smolyaninov, Nadezhda T. Berberova

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.18>

2. Chlorophenols in organic synthesis

Authors: V. V. Mitin, E. A. Ivanova, P. E. Prokhorova, Yu. Yu. Morzherin

Chimica Techno Acta, 2016, Volume 3, Issue 3, pp. 164-192

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2016.3.3.013>

Antimicrobial agents and applications — 1 articles

1. Cationic amphiphilic meroterpenoids synthesis, antibacterial, antifungal and mutagenic activity

Authors: Alan Akhmedov, Rustem Gamirov, Yulia Panina, Alina Baklagina, Evgenia Sokolova, Pavel Zelenikhin, Olga Babaeva, Vasily Babaev, Dmitriy Shurpik, Ivan Stoikov

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.09>

Cyclization and Aryne Chemistry — 1 articles

1. Two mutually complementary synthetic approaches towards 3-substituted 3,4-disubstituted and 1-(2-pyridyl)-substituted isoquinolines

Authors: I. L. Nikonov, D. S. Kopchuk, A. F. Khasanov, A. P. Krinochkin, E. S. Starnovskaya, Ya. K. Shtaiz, M. I. Savchuk, O. S. Tanya, G. V. Zyryanov, V. L. Rusinov et al. (11

authors total)

Chimica Techno Acta, 2018, Volume 5, Issue 3, pp. 150-152

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2018.5.3.04>

N-Heterocyclic Carbenes in Organic and Inorganic Chemistry — 1 articles

1. Advancements in N-heterocyclic carbenes (NHCs) catalysis for benzoin reactions A comprehensive review from past to present

Authors: Pakin Noppawan, Baramée Phungpis, Kanokkan Worawut

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 5 | per year: 1.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.14>

Nanomaterials for catalytic reactions — 1 articles

1. Catalytic activity and selectivity of Palladium and Nickel catalysts in hydrogenation reactions of nitro- and acetylene compounds

Authors: Indira M. Jeldybayeva, Zhaksyntyay K. Kairbekov, Kazhmukan O. Kishibayev, Elmira T. Yermoldina, Saltanat M. Suimbayeva

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.06>

Organic Chemistry Cycloaddition Reactions — 1 articles

1. Quantum chemical study of heterocyclic organic compounds on the corrosion inhibition

Authors: Dyari Mustafa Mamand, Awat Hamad Awla, Twana Mohammed Kak Anwer, Hiwa Mohammad Qadr

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 29 | per year: 7.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.03>

Organic Chemistry Synthesis Methods — 1 articles

1. Synthesis and structure of novel dithioderivatives of 3-pyrrolin-2-one

Authors: Liliya Kosolapova, Enze Rabbanieva, Darya Gerasimova, Sergey Efimov, Olga Lodochnikova, Vladimir Klochkov, Almira Kurbangaliev

Chimica Techno Acta, 2026, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9486>

Organometallic Compounds Synthesis and Characterization — 1 articles

1. Tetraarylantimony 2,2-bipyridinecarboxylates synthesis, photophysical and molecular docking studies

Authors: Ekaterina V. Artemeva, Vladimir V. Sharutin, Alexey P. Krinochkin, Yulia M. Sayfutdinova, Ilya I. Butorin, Vasiliy S. Gaviko, Yaroslav K. Shtaitz, Maria I. Valieva, Igor S. Kovalev, Olga V. Shabunina et al. (13 authors total)

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.20>

Organophosphorus compounds synthesis — 1 articles

1. Potassium carbonate supported efficient synthesis of new diethyl arylphosphoramidates

Authors: P. V. Ramana, B. S. Krishna, N. B. Reddy, G. Sravaya, G. V. Zyryanov, C. S. Reddy

Chimica Techno Acta, 2017, Volume 4, Issue 2, pp. 148-156

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech/2017.4.2.030>

Oxidative Organic Chemistry Reactions — 1 articles

1. Complexes of polyvinylpyrrolidone and polyethylene glycol with palladium(II) ions characterization and catalytic activity

Authors: Dina N. Akbayeva, Indira A. Smagulova, Azhar Timurkyzy, Botagoz S. Bakirova

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.01>

Synthesis and Properties of Aromatic Compounds — 1 articles

1. Benzodenaophtho1,8-ghquinolines synthesis, photophysical studies and nitro explosives detection

Authors: Igor L. Nikonov, Igor A. Khalymbadzha, Leila ■. Sadieva, Maria I. Savchuk, Ekaterina S. Starnovskaya, Dmitry S. Kopchuk, Igor S. ■■valey, Grigory ■. Kim, Oleg N. Chupakhin

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.15>

Synthesis and Reactivity of Heterocycles — 1 articles

1. 6-Aminotriazolo1,5-apyrimidines as precursors of 1,2,4-triazolo5,1-bpurines

Authors: K. V. Savateev, S. S. Borisov, E. K. Voinkov, E. N. Ulomsky, V. L. Rusinov, O. N. Chupakhin

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 127-130

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2015.2.2.013>

Synthesis of heterocyclic compounds — 1 articles

1. Synthesis of 5-thiocarbomoyl- and 5-(thiazol-2-yl)-2,3,4,4a,5,6-hexahydro-1H-pyrido[1,2-a]quinoline-5-carbonitriles

Authors: A. A. Poluikova, A. Yu. Platonova, T. V. Glukhareva, Yu. Yu. Morzherin

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 98-107

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2015.2.2.010>

Synthesis of Tetrazole Derivatives — 1 articles

1. Synthesis and evaluation of cerebroprotective activity of novel 6,7-dimethoxyquinazolin-4(3H)-one derivatives containing residues of amino acids and dipeptides

Authors: Alexey S. Chiriapkin, Ivan P. Kodonidi, Dmitry I. Pozdnyakov

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 6 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.12>

Inorganic Chemistry — 20 articles

Zeolite Catalysis and Synthesis — 7 articles

1. Comparative study of medium-pore zeolites (ZSM-5, ZSM-23, ZSM-48) and SAPO-11 in the hydroisomerization of n-hexadecane

Authors: Dmitry Serebrennikov, Artur Malunov, Nadezhda Filippova, Denis Sabirov, Alfira Khazipova, Vladimir Gus'kov, Marat Agliullin

Chimica Techno Acta, 2025, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9253>

2. Crystallization of magnesium aluminophosphate molecular sieves MAPO-11 using different aluminum sources and their application in the hydroisomerization of n-hexadecane

Authors: Dmitry Serebrennikov, Maxim Vlasov, Olga Travkina, Nadezhda Filippova, Ekaterina Mescheryakova, Rezeda Kuvatova, Denis Sabirov, Marat R. Agliullin

Chimica Techno Acta, 2025, Volume 12, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.3.01>

3. Fisher-Tropsch synthesis in the presence of bifunctional catalysts based on hierarchical zeolite MFI

Authors: Olga Papeta, Ivan Zubkov, Alexey Saliev, Yash Kataria, Danila Ponomarev, Roman Yakovenko

Chimica Techno Acta, 2024, Volume 12, Issue 1

Metal-Organic Frameworks Synthesis and Applications — 2 articles

1. Synthesis and characterization of ZnBTC-based MOFs effect of solvents and salt

Authors: Maria V. Timofeeva, Andrey N. Yankin

Chimica Techno Acta, 2022, Volume 10, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.05>

2. Metal-Organic Frameworks for Metal-Ion Batteries Towards Scalability

Authors: Semyon Bachinin, Venera Gilemkanova, Maria Timofeeva, Yuliya Kenzhebayeva, Andrei Yankin, Valentin A. Milichko

Chimica Techno Acta, 2021, Volume 8, Issue 3

Citations: 2 | per year: 0.4

DOI: <https://doi.org/10.15826/chimtech.2021.8.3.04>

Radioactive element chemistry and processing — 2 articles

1. Oxidative destruction of anionite AV-178 using the Fenton reaction

Authors: M. M. Kozlova, V. F. Markov, L. N. Maskaeva

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.06>

2. Extractants for rare earth metals

Authors: V. V. Kuryshva, E. A. Ivanova, P. E. Prokhorova

Chimica Techno Acta, 2016, Volume 3, Issue 2, pp. 97-120

Citations: 9 | per year: 0.9

DOI: <https://doi.org/10.15826/chimtech.2016.3.2.008>

Crystal structures of chemical compounds — 1 articles

1. Crystal structure of mono--alanine hydrochloride

Authors: Dmitry S. Tsvetkov, Maxim O. Mazurin

Chimica Techno Acta, 2020, Volume 7, Issue 2, pp. 61-70

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2020.7.2.03>

Analytical Chemistry — 6 articles

Analytical chemistry methods development — 3 articles

1. Hydrophilic molecularly imprinted phenol-amine-formaldehyde resins

Authors: Yuliya Yu. Petrova, Elena V. Bulatova, Dmitry O. Zelentsov, Yuliya G. Mateyshina

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.10>

2. Voltammetric sensor based on molecular imprinted polymer for lincomycin determination

Authors: Yulia A. Yarkaeva, Daria A. Dymova, Marat I. Nazayrov, Liana R. Zagitova, Valery N. Maistrenko

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 1 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.10>

3. Determination of Bi in complex oxide samples by atomic absorption spectrometry by using ordinary acetylene air flame atomization

Authors: Zoya A. Mikhaylovskaya, Elena S. Buyanova, Denis Yu. Smirnov

Chimica Techno Acta, 2019, Volume 6, Issue 4, pp. 138-146

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2019.6.4.03>

Petroleum Processing and Analysis — 2 articles

1. Investigation of physical and chemical parameters of the raw hydrocarbon material base of Kaliningrad region for the concept development of an oil refinery

Authors: Pavel Shcherban, Yakov Masyutin, Anna Vatagina, Margarita Belova, Alexander Stolyarenko

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.13>

2. Catalytic cracking of M-100 fuel oil relationships between origin process parameters and conversion products

Authors: Tatyana V. Shakiyeva, Larissa R. Sassykova, Anastassiya A. Khamlenko, Ulzhan N. Dzhatkambayeva, Albina R. Sassykova, Aigul A. Batyrbayeva, Zhanar M. Zhaxibayeva, Akmaral G. Ismailova, Subramanian Sendilvelan

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.01>

Dye analysis and toxicity — 1 articles

1. Novel biosorbents based on carboxyethyl chitosan for Allura Red dye contaminated water treatment

Authors: Aleksandr A. Drannikov, Elena A. Blinova, Anastasya V. Korel, Alexander G. Samokhin, Polina I. Dubovskaya, Daria V. Lazurenko, Ekaterina O. Zemlyakova, Alexander V. Pestov, Ekaterina A. Litvinova

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.15>

Physical and Theoretical Chemistry — 5 articles

History and advancements in chemistry — 2 articles

1. Memorize organic chemist Professor Yuri Yurievich Morzherin

Authors: Zhijin Fan

Chimica Techno Acta, 2017, Volume 4, Issue 1, pp. 8-10

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.1.019>

2. Vladimir Mikhailovich Zhukovsky

Authors: *Chimica Techno Acta* Editors

Chimica Techno Acta, 2015, Volume 2, Issue 4, pp. 269-272

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.4.027>

Chemical Reactions and Mechanisms — 1 articles

1. Tert-butyl-diphenylmethylnitroxyl radical formation with the reaction of triphenylbismuth dicrotonate and C-phenyl-N-tert-butylnitron in benzene

Authors: A. V. Gushchin, O. S. Kalistratova, A. I. Maleeva, V. A. Kuropatov, D. N. Yemelyanov

Chimica Techno Acta, 2017, Volume 4, Issue 2, pp. 105-111

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.2.025>

thermodynamics and calorimetric analyses — 1 articles

1. To the question of the influence of a silanol cover on the protolytic properties of aminopropyl silica gels

Authors: O. V. Filisteev, A. V. Sharov

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 222-228

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.15>

Various Chemistry Research Topics — 1 articles

1. A next year after the tenth anniversary

Authors: Dmitry Medvedev

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.08>

Spectroscopy — 5 articles

Molecular Sensors and Ion Detection — 3 articles

1. Mechanosynthesis of 1,2,4-triazine-appended polyvinyl chloride (PVC) and studies of its fluorescence turn-off response to Fe³⁺

Authors: Basim S.M. Al-Ghezi, Wahab K.A. Al-Ithawi, Artem V. Baklykov, Vadim A. Platonov, Tatyana I. Shendrikova, Yaroslav K. Shtaitz, Igor S. Kovalev, Dmitry S. Kopchuk, Grigory V. Zyryanov

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9237>

2. Synthesis and selective Cu(II) complexation of lower rim substituted thiacalixarenes containing pyrazole fragments

Authors: Valeriy Kalinin, Ekaterina Rasperetikhina, Mikhail Bukharov, Ksenia Shibaeva, Daut Islamov, Olga Babaeva, Ivan Stoikov

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.18>

3. Conjugates of 8-2,2-bipyridinylcoumarins as potential chemosensors for Al³⁺, Cu²⁺, Cd²⁺, Zn²⁺ ions synthesis and photophysical properties

Authors: Ainur D. Sharapov, Ramil F. Fatykhov, Igor A. Khalymbadzha, Dmitry S. Kopchuk, Igor L. Nikonov, Anastasiya P. Potapova, Yaroslav K. Shtaitz, Pavel A. Slepukhin

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.17>

Adsorption, diffusion, and thermodynamic properties of materials — 1 articles

1. Dispersive surface free energy of adsorbents modified by supramolecular structures of heterocyclic compounds

Authors: Vladimir Yu. Guskov, Yulia Yu. Gainullina, Alina F. Gabdulmanova, Albina N. Gareeva

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.10>

Analytical Chemistry and Chromatography — 1 articles

1. Silica gel functionalized with imidazolium group via click chemistry new stationary phase for ion chromatography

Authors: D. A. Chuprynina, I. A. Lupanova, V. V. Konshin, D. N. Konshina

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 2 | per year: 0.4

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.09>

Electrochemistry — 4 articles

Electrochemical Analysis and Applications — 4 articles

1. Evaluation of electrochemical performance of antimony modified screen-printed carbon electrodes

Authors: Alexander B. Kifle, Nataliya Malakhova, Alexandra Ivoilova, Natalia Leonova, Svetlana Saraeva, Alisa Kozitsina

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 2 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.04>

2. Fast-activating reserve power sources is lead dead indeed

Authors: Pavel A. Shcheglov, Dmitry A. Samsonov, Anatoly B. Pavlenkov, Tatiana L. Kulova, Alexey Yu. Rychagov, Alexander M. Skundin, Evgeniya Yu. Postnova

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.03>

3. The mechanism for the electrooxidation of procarbazine pharmaceutical preparation in alkaline media and its mathematical description

Authors: V. V. Tkach, S. C. De Oliveira, S. K. B. De Oliveira, R. Ojani, O. V. Elenich, P. I. Yagodynets

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 85-95

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2016.3.1.007>

4. [REDACTED]

Authors: Volodymyr Tkach, S. C. de Oliveira, S. K.B. de Oliveira, Reza Ojani, O. V. Elenich, Petr Yagodynets

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 85-95

Citations: 0 | per year: 0.0

Chemical Engineering — 21 articles

Catalysis — 9 articles

Catalysis and Oxidation Reactions — 8 articles

1. Composite catalysts based on the CaOFe₂O₃ system for the oxidative conversion of methane

Authors: Nadezhda Kirik, Evgenii Rabchevskii, Nina Shishkina, Leonid Solovyov, Alexander Anshits

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.01>

2. High purity -Bi₂O₃ preparation by thermal decomposition of tartrates

Authors: Evgeniya V. Timakova, Tatiana E. Timakova, Liubov I. Afonina

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.04>

3. Obtaining cyclopentanone in the presence of metal oxides

Authors: I. V. Tsvetkova, A. A. Golovanov, A. A. Kondrateva, N. V. Chirkunova

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.10>

4. Cation-exchange resins as heterogeneous catalysts for the synthesis of 1,3-butadiene from propylene and formaldehyde

Authors: T. M. Kutuzova, O. M. Kuznetzova, R. A. Akhmedyanova

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.01>

5. Conditions for the formation of a non-autonomous phase at the structural deformation of complex vanadium oxides

Authors: M. V. Rotermel, T. I. Krasnenko, S. A. Petrova, S. G. Titova

Chimica Techno Acta, 2018, Volume 5, Issue 1, pp. 86-91

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2018.5.1.06>

6. **Синтез и свойства катализаторов на основе оксидов висмута и ванадия для окисления метана**

Authors: М. М. Трифонова, М. В. Трифонова, М. М. Трифонова

Chimica Techno Acta, 2016, Volume 3, Issue 1, pp. 68-84

Citations: 0 | per year: 0.0

7. **Синтез и свойства катализаторов на основе оксидов висмута и ванадия для окисления метана**

Authors: G. E. Khaikina, М. М. Трифонова, Olga M. Basovich, Zoya A. Solodovnikova, Yuliya M. Kadyrova, М. М. Трифонова, М. М. Трифонова, Vasiliy N. Yudin, Tatyana Spiridonova

Chimica Techno Acta, 2015, Volume 2, Issue 4, pp. 356-390

Citations: 0 | per year: 0.0



8. Substituted molybdates of bismuth on a basis of Bi13Mo5O34 production and properties

Authors: Z. A. Mikhailovskaya, E. S. Buyanova, S. A. Petrova, R. G. Zakharov
Chimica Techno Acta, 2014, Volume 1, Issue 1, pp. 14-20

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2014.1.1.679>

Catalysts for Methane Reforming — 1 articles

1. Hydrogen production by dry reforming of methane in a catalytic reactor with La niobate-based hydrogen separation membrane

Authors: Nikita Ereemeev, Dinara Altynbekova, Konstantin Valeev, Tamara Krieger, Arcady Ishchenko, Evgeny Suprun, Vladislav Sadykov, Yulia Bepalko

Chimica Techno Acta, 2025, Volume 12, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.3.11>

Fluid Flow and Transfer Processes — 9 articles

Molten salt chemistry and electrochemical processes — 8 articles

1. Anodic dissolution of gallium in alkali metal chloride melts

Authors: Oleg V. Tokarev, Vladimir A. Volkovich
Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.16>



2. Chronopotentiometry at platinum electrode in KF-NaF-AlF₃-Al₂O₃ melt

Authors: A. V. Suzdaltsev, A. P. Khramov, Yu. P. Zaikov, O. V. Limanovskaya, V. N. Nekrasov

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 190-199

Citations: 3 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2015.2.3.020>



3. Corrosion resistance of alloys of Hastelloy in chloroaluminate melts

Authors: V. V. Karpov, A. V. Bazhenov, A. V. Abramov, I. B. Polovov, O. I. Rebrin
Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 131-138

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2015.2.2.014>



4. Electrode processes during the electrorefinement of lead in the KCl-PbCl₂-PbO melt

Authors: P. S. Pershin, A. A. Burich, Yu. R. Khalimullina, P. A. Arkhipov, Yu. P. Zaikov

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 108-115

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.2.011>

5. X

Authors: Ilya B. Polovov, Oleg I. Rebrin

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 131-138

Citations: 0 | per year: 0.0

6. KCl-PbCl₂-PbO

Authors: A. A. Burich, Yu. R. Khalimullina, Yu. P. Zaikov

Chimica Techno Acta, 2015, Volume 2, Issue 2, pp. 108-115

Citations: 0 | per year: 0.0

7. Anode process on platinum in CaCl₂-CaO-based melt

Authors: K. V. Tatarenko, A. V. Suzdaltsev, A. P. Khramov, Yu. P. Zaikov

Chimica Techno Acta, 2014, Volume 1, Issue 3, pp. 87-92

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2014.1.3.717>

8. Determination of solubility of chlorides of d-elements in chloroaluminate melts

Authors: V. V. Karpov, V. A. Volkovich, I. B. Polovov, O. I. Rebrin

Chimica Techno Acta, 2014, Volume 1, Issue 2, pp. 56-60

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.2.699>

Thermodynamic properties of mixtures — 1 articles

1. Lead activity in Pb-Sb-Bi alloys

Authors: A. S. Kholkina, P. A. Arkhipov, Yu. P. Zaikov

Chimica Techno Acta, 2014, Volume 1, Issue 1, pp. 33-37

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2014.1.1.693>

Bioengineering — 1 articles

Analytical Chemistry and Sensors — 1 articles

1. Surface modification of colloidal silicon dioxide with polyantimonic acid

Authors: Fedor A. Yaroshenko, Ekaterina D. Rubtsova, Timofey D. Bodrov, Vladimir A. Burmistrov, Yulia A. Lupitskaya, Damir M. Galimov, Ksenia G. Belova, Veronika E. Epp, Elizaveta S. Karabelnikova, Artem V. Dimitrenko

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9029>

Filtration and Separation — 1 articles

Chemical and Physical Properties in Aqueous Solutions — 1 articles

1. Phase equilibria in the Na,CaSO₄,CO₃,HCO₃-H₂O system at 0 C

Authors: L. Soliev, M. T. Jumaev

Chimica Techno Acta, 2019, Volume 6, Issue 1, pp. 24-30

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2019.6.1.03>

Process Chemistry and Technology — 1 articles

Carbon dioxide utilization in catalysis — 1 articles

1. Resistance of industrial nickel-containing methanation catalysts to the poisoning by organic carbon dioxide absorbents

Authors: V. N. Efremov, E. Z. Golosman, A. V. Kashinskaya, T. I. Mugenov, V. E. Zolotareva, B. I. Polivanov, A. P. Polushin

Chimica Techno Acta, 2017, Volume 4, Issue 3, pp. 167-182

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.3.02>

Environmental Science — 19 articles

Water Science and Technology — 12 articles

Adsorption and biosorption for pollutant removal — 5 articles

1. Adsorption isotherms, thermodynamics, and kinetics of activated carbon as adsorbent to water pollutants a review

Authors: Muhamad Jalil Baari, La Rudi, La Harimu

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 2 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.14>

2. Hydrothermal carbonization of *Spirogyra* sp. algae for adsorption and regeneration of malachite green dye

Authors: Muhammad Badaruddin, Laila Hanum, Elda Melwita, Sahrul Wibiyani, Aldes Lesbani

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.13>

3. Methyl orange sorption on octadecylamine-modified iron oxide magnetic nanoparticles

Authors: Liang Tianhui, Sayara Aga-Tagieva, Alexander Omelyanchik, Zhang Xiaozhou, Hong Lu, Katerina Levada, Valeria Rodionova, Kurban Magomedov

Chimica Techno Acta, 2024, Volume 11, Issue 3

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.3.05>

4. A review on agrowaste based activated carbons for pollutant removal in wastewater systems

Authors: Karinate Valentine Okiy, Joseph Nwabanne Tagbo, Walter Peter Echeng

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 5 | per year: 2.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.02>

5. Study on methylene blue adsorption using cashew nut shell-based activated carbon

Authors: Hai D. Tran, Dinh Quan Nguyen

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 5 | per year: 1.7

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.01>

Membrane Separation Technologies — 3 articles

1. Effects of coagulant bath temperature toward separation performance and antifouling properties of PVDFCA membranes for filtration of dyes

Authors: Muhammad Reza, Ratu Fazlia Inda Rahmayani, Cynthia Linaya Radiman

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.01>

2. The effect of ammonia activation on the desalination potential of natural zeolite

Authors: Aruzhan K. Kenessova, Akmaral B. Rakhym, Bagashar B. Zhaksybay, Gulziya A. Seilkhanova

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.05>

3. Membrane techniques for removal detergents and petroleum products from carwash effluents a review

Authors: Eman S. Awad, Siraj M. Abdulla, T. M. Sabirova, Qusay F. Alsalhy

Chimica Techno Acta, 2023, Volume 10, Issue 1

Citations: 10 | per year: 3.3

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.07>

Advanced oxidation water treatment — 2 articles

1. Degradation, boosted with Fe²⁺ ions, of ethylene glycol in oxygen-saturated aqueous solutions using the H₂O₂ UV-C oxidation system a kinetic study

Authors: Timur Fazliev, Mikhail Lyulyukin, Dmitry Yakhvarov, Oleg Sinyashin, Vadim Yakovlev, Denis Kozlov, Dmitry Selishchev

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 1 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.9192>

2. Effect of dissolved oxygen on the efficiency of the electro-Fenton process on Fe₂O₃graphite perforated tubular electrode

Authors: Abdulgaliim Isaev, Zarema Alimirzoeva, Maryam Isaeva, Tatyana Kharlamova

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.04>

Coagulation and Flocculation Studies — 1 articles

1. Adsorption of TX-100 and SDBS on the surface of alumina and maghemite nanoparticles from aqueous solutions

Authors: R. R. Mansurov, A. P. Safronov, N. V. Lakiza, D. V. Leiman

Chimica Techno Acta, 2014, Volume 1, Issue 2, pp. 50-55

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2014.1.2.696>

Minerals Flotation and Separation Techniques — 1 articles

1. Colloid-chemical properties of surfactant/nitric acid/water systems

Authors: Lev Danilin, Tatyana Lugovitskaya, Elvira Kolmachikhina, Denis Rogozhnikov

Chimica Techno Acta, 2023, Volume 10, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.4.08>

Environmental Chemistry — 5 articles

Arsenic contamination and mitigation — 2 articles

1. Arsenate and Arsenite Reaction Kinetics with Ferric Hydroxides Using Quantum Chemical Calculations

Authors: Cijin J. George, Sougata Santra, G. V. Zyryanov, Kousik Giri

Chimica Techno Acta, 2018, Volume 5, Issue 3, pp. 144-149

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2018.5.03.03>

2. Effect of Alkylation on the Kinetic Stability of Arsenodiester and Organoarsenicals against Hydrolysis A Theoretical Study

Authors: Boota Singh, Rohan Ranjan Waliya, Sougata Santra, Kousik Giri, Grigory V. Zyryanov

Chimica Techno Acta, 2018, Volume 5, Issue 2, pp. 96-103

Citations: 2 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2018.5.2.01>

Chemistry and Chemical Engineering — 2 articles

1. Determination of pKa of triazolo5,1-c1,2,4triazines in non-aqueous media by potentiometric titration

Authors: Alexandra V. Ivoilova, Polina N. Mozharovskaia, Liya V. Mokrousova, Ivan A. Balin, Anton N. Tsmokalyuk, Roman A. Drokin, Irina M. Sapozhnikova, Vladimir L. Rusinov, Alla V. Ivanova, Alisa N. Kozitsina

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.10>

2. Introducing our new Editorial Board Members

Authors: Dmitry A. Medvedev

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.e>

Methane Hydrates and Related Phenomena — 1 articles

1. ■■■■■■ ■■■■■■■■■■ ■■■■ ■■■■ ■■■■■■■■ ■■■■ ■■■■■■■■■■, ■■■■ ■■■■■■■■■■

Authors: M. ■■■■ ■■■■■■■■■■, ■■■■ ■■■■■■■■■■

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 171-189

Citations: 0 | per year: 0.0

Industrial and Manufacturing Engineering — 1 articles

Chemical Synthesis and Characterization — 1 articles

1. Hydrothermal synthesis and sorption performance to Cs(I) and Sr(II) of zirconia-alumina composites derived from coal fly ash cenospheres

Authors: Tatiana A. Vereshchagina, Ekaterina A. Kutikhina, Olga V. Buyko, Alexander G. Anshits

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.18>

Pollution — 1 articles

Wastewater Treatment and Nitrogen Removal — 1 articles

1. Modern biotechnological methods in wastewater treatment a review

Authors: C. L. Beya, O. N. Kanwugu, M. N. Ivantsova

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 4 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s3>

Energy — 10 articles

Renewable Energy, Sustainability and the Environment — 9 articles

Advanced Photocatalysis Techniques — 4 articles

1. Photocatalytic properties of lead-free Ba_{0.95}Ca_{0.05}Ti_{0.92}Sn_{0.08}O₃ (BCTS) powders synthesized via the solid-state reaction technique for tetracycline decolorization

Authors: Wistsarut Chongsatan, Manlika Sriondee, Punyanuch Thammaacheep, Pornnipa Nunocha, Duangdao Channei, Jutatip Namahoot, Tawat Suriwong, Theerachai Bongkarn

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.8737>

2. Photoelectrochemical properties of Pt- and Ir-modified graphitic carbon nitride

Authors: Dina V. Markovskaya, Victoria A. Lomakina, Ekaterina A. Kozlova

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 3 | per year: 1.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.08>

3. Application of the similarity theory to analysis of photocatalytic hydrogen production and photocurrent generation

Authors: Dina V. Markovskaya, Ekaterina A. Kozlova

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 3 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.03>

4. Titanium dioxide - activated carbon composite for photoelectrochemical degradation of phenol

Authors: L. H. Q. Anh, Uyen P. N. Tran, P. V. G. Nghi, H. T. Le, N. T. B. Khuyen, T. D. Hai

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.16>

TiO₂ Photocatalysis and Solar Cells — 4 articles

1. Photooxidation of ethylene glycol and methanol in water solutions over P25 modified with Au, Pt, and Pd

Authors: Kseniya Yu. Lyzhina, Timur R. Fazliev, Dmitry S. Selishchev, Denis V. Kozlov, Mikhail N. Lyulyukin

Chimica Techno Acta, 2026, Volume 13, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9535>

2. Synthesis and evaluation of MMTTiO₂ nanotube photocatalysts for enhanced degradation of organic dyes in wastewater

Authors: Bang Tam Thi Dao, Trung Do Nguyen, Hon Nhien Le, Chi-Nhan Ha-Thuc

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.09>

3. An overview of wastewater treatment using combined heterogeneous photocatalysis and membrane distillation

Authors: Sarah A. Abdulrahman, Salah S. Ibraheem, Zainab Y. Shnain

Chimica Techno Acta, 2023, Volume 10, Issue 1

Citations: 3 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.14>

4. TiO₂ paste for DSSC photoanode preparation and optimization of application method

Authors: I. O. Selyanin, A. S. Steparuk, R. A. Irgashev, A. V. Mekhaev, G. L. Rusinov, A. S. Vorokh

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 140-149

Citations: 4 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.01>

Electrocatalysts for Energy Conversion — 1 articles

1. Electrocatalytic activity of sodium copper pectates in oxygen reduction reaction in fuel cells

Authors: Elgina Lebedeva, Guliya Nizameeva, Irek Nizameev, Viktoria Kuznetsova, Marsil Kadirov

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.10>

Nuclear Energy and Engineering — 1 articles

Advanced Energy Technologies and Civil Engineering Innovations — 1 articles

1. Using the mineral component of building refuse in heavy metals sorption from their mixture

Authors: V. M. Yurk, O. B. Zaytsev, A. V. Zaytseva, N. A. Malahova

Chimica Techno Acta, 2021, Volume 8, Issue 1

Citations: 2 | per year: 0.4

DOI: <https://doi.org/10.15826/chimtech.2021.8.1.12>

Physics and Astronomy — 9 articles

Condensed Matter Physics — 4 articles

Advanced Condensed Matter Physics — 3 articles

1. Investigations into the structure of $\text{La}_3\text{Ni}_2\text{xFe}_x\text{O}_7$

Authors: Evgeny Alexandrovich Kiselev, Piotr Gaczynski, Gtz Eckold, Armin Feldhoff, Klaus-Dieter Becker, Vladimir Alexandrovich Cherepanov

Chimica Techno Acta, 2019, Volume 6, Issue 2, pp. 51-71

Citations: 6 | per year: 0.9

DOI: <https://doi.org/10.15826/chimtech.2019.6.2.03>

2. Sheelite-related strontium molybdates synthesis and characterization

Authors: Zoya Alekseevna Mikhaylovskaya, Elena Stanislavovna Buyanova, Sofia Aleksandrovna Petrova, Alena Andreevna Nikitina

Chimica Techno Acta, 2018, Volume 5, Issue 4, pp. 189-195

Citations: 10 | per year: 1.2

DOI: <https://doi.org/10.15826/chimtech.2018.5.4.03>

3. Subsolidus phase equilibria of the CuO SrO ZnO pseudoternary system in air at 900 C

Authors: J.-C. Grivel

Chimica Techno Acta, 2017, Volume 5, Issue 1, pp. 6-15

Citations: 4 | per year: 0.4

1. Variability of pathogenicity factors representative of the human microbiome under the influence of -Fe₂O₃ nanoparticles

Authors: Lyubov Kokorina, Yana V. Chernyavskaya, Tatiana P. Denisova, Elena V. Simonova, Alexander P. Safronov, Galina V. Kurlyandskaya

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.01>

Radiation — 1 articles

Nuclear Physics and Applications — 1 articles

1. RETRACTED Silicon phase origin on glassy carbon in KF-KCl-K₂SiF₆ fusion

Authors: S. I. Zhuk, L. M. Minchenko, O. V. Chemezov, V. B. Malkov, A. V. Isakov, Yu. P. Zaikov

Chimica Techno Acta, 2015, Volume 2, Issue 1, pp. 42-51

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2015.2.1.004>

Computer Science — 6 articles

Computational Theory and Mathematics — 2 articles

Computational Drug Discovery Methods — 2 articles

1. QSPR analysis of anti-hepatitis prescription drugs using degree based topological indices through M-polynomial and NM-polynomial

Authors: Adnan Asghar

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 3 | per year: 3.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.06>



2. Determination of phenolic compounds in medicinal preparations by galvanostatic coulometry

Authors: N. N. Yaschenko, S. V. Zhitar, E. G. Zinovjeva

Chimica Techno Acta, 2021, Volume 8, Issue 1

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2021.8.1.10>

Computer Vision and Pattern Recognition — 2 articles

Life Sciences — 34 articles

Pharmacology, Toxicology and Pharmaceutics — 13 articles

Pharmaceutical Science — 6 articles

Drug Solubility and Delivery Systems — 4 articles

1. Evaluation of chitosan cross-linked with diglycidyl ether of butanediol-1,4 cryogel powder flow parameters for solid formulations development

Authors: Aleksandr A. Drannikov, Ekaterina V. Tretiakova, Inna B. Gribchenko, Arsalan Saeidi, Evgeniy D. Golovin, Taisiia D. Kitova, Elena P. Goncharova, Ekaterina O. Zemlyakova, Alexander V. Pestov, Ekaterina A. Litvinova

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9128>

2. Increase of solubility and transmembrane permeability of niclosamide from its mechanochemically synthesized solid dispersions

Authors: Elizaveta S. Meteleva, Elizaveta A. Roenko, Nikolay E. Polyakov

Chimica Techno Acta, 2023, Volume 10, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.3.07>

3. A DFT-D4 investigation of the complexation phenomenon between pentachlorophenol and -cyclodextrin

Authors: Zoubir Kabouche, Youghourta Belhocine, Tahar Benlecheb, Ibtissem Meriem Assaba, Abdelkarim Litim, Rabab Lalalou, Asma Mechhoud

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 6 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.09>

4. Prolonging effect of polyvinyl alcohol on the drug release

Authors: Anzhela Shurshina, Roman Lazdin, Elena Zakharova, Anastasiya Titlova, Elena Kulish

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 4 | per year: 1.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.06>

Fluorine in Organic Chemistry — 2 articles

1. Synthesis of 3-ethoxycarbonyl-4-hydroxy-1,4-dihydroazolo5,1- c 1,2,4triazines and study of antiglycation activity

Authors: V. D. Parkhamovich, V. V. Fedotov, R. A. Drokin, V. L. Rusinov, U. M. Ibragimova, N. V. Valuisky, A. I. Shushakova, R. A. Litvinov, A. A. Spasov

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.15>

2. Nucleophilic conjugate trifluoromethylation of chromones and activated alkenes under the action of Rupperts reagent

Authors: V. Ya. Sosnovskikh, G.-V. Roshentaler

Chimica Techno Acta, 2017, Volume 4, Issue 1, pp. 29-44

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.1.022>

Pharmacology — 5 articles

Pharmacological Effects of Natural Compounds — 5 articles

1. New molecular complex of ammonium glycyrrhizate with rutin

Authors: L. A. Yakovishin, V. D. Ratnikov, P. I. Bazhan, G. P. Zaitsev

Chimica Techno Acta, 2022, Volume 9, Issue 1

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.1.01>

2. Synthesis and study of complexes of the novel Russian antiviral drug Camphecene with Plants Flavonoids

Authors: S. S. Khizrieva, E. V. Vetrova, S. N. Borisenko, E. V. Maksimenko, N. I. Borisenko

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.02>

3. Synthesis and study of complexes of the novel Russian antiviral drug Camphecene with pentacyclic triterpenes of licorice

Authors: S. S. Khizrieva, E. V. Vetrova, S. N. Borisenko, E. V. Maksimenko, N. I. Borisenko

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 192-198

Citations: 4 | per year: 0.7

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.10>

4. Intermolecular Interaction of Glycyrrhizin with Cholesterol

Authors: L. A. Yakovishin, V. I. Grishkovets

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 180-185

Citations: 2 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.08>

5. Molecular Complexation of Hederasaponin C with Cholesterol in Aqueous Isopropyl Alcohol

Authors: L. A. Yakovishin, V. I. Grishkovets, E. N. Korzh, I. V. Golovchenko, A. A. Nagirnyak

Toxicology — 2 articles

Forensic Toxicology and Drug Analysis — 1 articles

1. Differentiation of 2- and 6-isomers of (2-dimethylaminopropyl)benzofuran by tandem mass spectrometry

Authors: V. A. Shevyrin

Chimica Techno Acta, 2016, Volume 3, Issue 2, pp. 156-162

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2016.3.2.012>

Organoselenium and organotellurium chemistry — 1 articles

1. Synthesis and biological activity of 1-(4-methyl-1,2,3-selenadiazol-5-yl)-3-aryureas and their N -chloroacetyl derivatives

Authors: Varvara S. Evchik, Tatiana A. Kalinina, Konstantin L. Obydenov, Richard V. Asase, Pavel A. Slepukhin, Tatiana V. Glukhareva

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9208>

Biochemistry, Genetics and Molecular Biology — 11 articles

Molecular Biology — 8 articles

Advanced biosensing and bioanalysis techniques — 3 articles

1. Rapid voltammetric determination of hemagglutinin in saliva using magnetic nanoparticles modified with triazolotriazine in a portable cell design

Authors: Yulia Sabitova, Tatiana Svalova, Margarita Medvedeva, Natalia Malysheva, Vladimir Rusinov, Anatoly Matern, Alisa Kozitsina

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.06>



2. Flow-through chronoamperometric sensor based on pillar3arene2quinone derivative for nitrophenol determination and its application in a model effluent

Authors: Dmitry I. Stoikov, Dominika Kappo, Daniil I. Stoikov, Dmitry N. Shurpik, Ivan I. Stoikov, Gennady A. Evtugyn

Chimica Techno Acta, 2024, Volume 12, Issue 1

Citations: 5 | per year: 2.5

DOI: <https://doi.org/10.15826/chimtech.2025.12.1.01>

3. Detection of Anti-viral Drug Riamilovir and Herbicides in Aqueous Media by Using Pyrene-based Fluorescent Chemosensors

Authors: I. S. Kovalev, L. K. Sadieva, O. S. Taniya, D. S. Kopchuk, G. V. Zyryanov, E. N. Ulomsky, V. L. Rusinov, O. N. Chupakhin

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.08>

Natural product bioactivities and synthesis — 2 articles

1. RP-HPLC determination of betulin in oil-in-water emulsion-based feed additives

Authors: Vadim A. Shevyrin, Pavel A. Vedeneev, Feyisayo O. Adepoju, Aleksei V. Byuler, Elena G. Kovaleva

Chimica Techno Acta, 2025, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9339>

2. Testing the antigenotoxicity and anticytotoxicity properties of *Prunella Grandiflora* L. extract using the example of *Drosophila Melanogaster*

Authors: Ngonidzaishe Magombe, Viktoria V. Kostenko, Olga N. Antosyuk, Elizaveta V. Bolotnik

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s14>

Phenothiazines and Benzothiazines Synthesis and Activities — 1 articles

1. Synthetic route optimization of Sumepirin antiepileptic drug candidate

Authors: M. S. Dzyurkevich, N. V. Shtyrlin, Y. G. Shtyrlin

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 159-168

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.04>

Phosphodiesterase function and regulation — 1 articles

1. Synthesis and properties of morpholino-substituted 2 H -imidazole N -oxides as potential endothelioprotectors

Authors: Alexey A. Akulov, Anna A. Nelyubina, Ilya I. Butorin, Vsevolod V. Melekhin, Maria D. Tokhtueva, Mikhail V. Korokin, Mikhail V. Pokrovskii, Mikhail V. Varaksin, Oleg N. Chupakhin

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9165>

Synthesis and bioactivity of alkaloids — 1 articles

1. Synthesis of 4-hydroxy and 6-hydroxyindoles a renaissance of the Bischler reaction

Authors: A. D. Sharapov, R. F. Fatykhov, I. A. Khalymbadzha, O. N. Chupakhin

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s2>

Molecular Medicine — 2 articles

Hydrogels synthesis, properties, applications — 2 articles

1. Surface bound microgels on the basis of carboxymethylcellulose preparation via the Ugi reaction and structural investigation using fluorescent and spin labels

Authors: Rita S. Alqubelat, Denis O. Antonov, Maxim A. Mironov

Chimica Techno Acta, 2024, Volume 11, Issue 4

Citations: 1 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2024.11.4.19>

2. Carbon coated Nickel Nanoparticles in Polyacrylamide Ferrogels Interaction with Polymeric Network and Impact on Swelling

Authors: E. A. Mikhnevich, A. P. Safronov, I. V. Beketov, A. I. Medvedev

Chimica Techno Acta, 2020, Volume 7, Issue 3, pp. 116-127

Citations: 2 | per year: 0.3

DOI: <https://doi.org/10.15826/chimtech.2020.7.3.04>

Biotechnology — 1 articles

Enzyme Production and Characterization — 1 articles

1. Chemical-mechanical treatment of potato starch for isolation of nanocrystal particles

Authors: Denis E. Tryakhov, Anatoly A. Polytov

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.13>

Agricultural and Biological Sciences — 10 articles

Food Science — 4 articles

Food Industry and Aquatic Biology — 2 articles

1. Efficiency of ultrasonic treatment of polysaccharide from brown algae

Authors: Victoria E. Suprunchuk

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.14>



2. Relevance of application of irradiated starter cultures to production of fermented milk products

Authors: D. A. Zhuravleva, A. V. Kazakov, I. S. Selezneva, A. A. Baranova

Chimica Techno Acta, 2020, Volume 7, Issue 4, pp. 242-249

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2020.7.4.19>

Essential Oils and Antimicrobial Activity — 1 articles

1. Evaluation of different extraction techniques for the assay of anti - acetylcholinesterase activity of olive leaves (*Olea europaea*)

Authors: S. S. Khizrieva, S. N. Borisenko, E. V. Maksimenko, N. I. Borisenko

Chimica Techno Acta, 2021, Volume 8, Issue 4

Citations: 3 | per year: 0.6

DOI: <https://doi.org/10.15826/chimtech.2021.8.4.03>

Seed and Plant Biochemistry — 1 articles

1. Phytoextraction of toxic elements by *Amaranthus Tricolor* grown on technogenically polluted soils in open ground conditions

Authors: Svetlana V. Gorelova, Murat S. Gins, Marina V. Frontasyeva

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s8>

Ecology, Evolution, Behavior and Systematics — 2 articles

Fungal Plant Pathogen Control — 2 articles

1. Development of *A. solani* -tubulin models and comparison of docking results for benzodazoles derivatives as potential antifungal agents

Authors: Konstantin L. Obydenov, Tatiana A. Kalinina, Tatiana V. Glukhareva, Vasiliy A. Bakulev

Chimica Techno Acta, 2024, Volume 11, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.1.04>

2. 2-(4-Oxo-1,3-thiazolidin-2-ylidene)acetamid as promising scaffold for designing new antifungal compounds

Authors: Konstantin L. Obydenov, Tatiana A. Kalinina, Daria V. Ryabova, Maria F. Kosterina, Tatiana V. Glukhareva

Chimica Techno Acta, 2022, Volume 10, Issue 1

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2023.10.1.06>

Insect Science — 2 articles

Bee Products Chemical Analysis — 1 articles

1. Determination of reducing carbohydrates in natural honey samples by optical micrometry method

Authors: Ivan S. Shchemelev, Danil S. Khasanov, Maria A. Smirnova, Alexander V. Ivanov, Nikolay B. Ferapontov, Mikhail G. Tokmachev

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 3 | per year: 0.8

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.17>

Insect and Pesticide Research — 1 articles

1. Influence of preparative form on the target efficiency and toxicity of the solid insecticide based on pyrethroid and neonicotinoid

Authors: Andrey V. Tretiakov, Sergey B. Yaroshuk, Vyacheslav F. Markov, Lyudmila G. Budnik

Chimica Techno Acta, 2022, Volume 9, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.1.02>

General Agricultural and Biological Sciences — 1 articles

Agriculture and Biological Studies — 1 articles

1. Influence of the micromycete *Fusarium culmorum* and its antagonists on the state of the antioxidant system of *Melissa officinalis* L.

Authors: Svetlana Skugoreva, Polina Gushchina, Yana Sharipova, Larisa Darovskikh

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 1 | per year: 0.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s5>

Plant Science — 1 articles

Polysaccharides and Plant Cell Walls — 1 articles

1. Reviewing twenty years of patents on ultrasonic-assisted pectin extraction from food and food waste

Authors: Aleksandr A. Drannikov, Antonio Di Martino, Marina E. Trusova

Chimica Techno Acta, 2024, Volume 11, Issue 2

Citations: 4 | per year: 2.0

DOI: <https://doi.org/10.15826/chimtech.2024.11.2.13>

Health Sciences — 13 articles

Medicine — 12 articles

Pharmacology — 3 articles

Synthesis of Organic Compounds — 2 articles

1. Synthesis of 5H-Chromeno[4,3-b]pyridin-5-one derivatives as a backbone of natural product polyneomarine C scaffolds in presence of Et₃N and NH₄OAc in EtOH

Authors: Shrishnu Kumar Kundu, Susanta Patra, Chayan Sardar, Sunil Kumar Bhanja, Prasanta Patra

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.11>



2. Unusual nicotinylation of 4-phenyl-5,7-dihydroxycoumarin

Authors: A. D. Sharapov, R. F. Fatykhov, I. A. Khalymbadzha, A. P. Potapova, P. A. Slepukhin, O. N. Chupakhin

Chimica Techno Acta, 2022, Volume 9, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2022.9.1.05>

Cholinesterase and Neurodegenerative Diseases — 1 articles

1. Synthesis, in vitro and docking studies of 2-substituted 5,6,7,8-tetrahydrobenzo[4,5thieno[2,3-d]pyrimidine-4(3H)-one derivatives as agents for the treatment of Alzheimer's disease

Authors: Alexey S. Chiriapkin, Ivan P. Kodonidi, Dmitry I. Pozdnyakov, Alexander A. Glushko

Chimica Techno Acta, 2022, Volume 9, Issue 2

Citations: 9 | per year: 2.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.04>

Oncology — 2 articles

Metal complexes synthesis and properties — 2 articles

1. Copper(II) complexes with fluorinated 5-aryl-2,2'-bipyridine-6(6')-carboxylic acid tridentate ligands

Authors: Timofey D. Moseev, Mikhail V. Varaksin, Alexey P. Krinochkin, Maria A. Valieva, Ekaterina A. Kudryashova, Yulia M. Sayfutdinova, Anastasiya V. Rybakova, Dmitry S. Kopchuk, Grigory V. Zyryanov, Youcef Ballou et al. (14 authors total)

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.17>

2. Polymer-metal complex based on copper(II) acetate and polyvinyl alcohol thermodynamic and catalytic properties

Authors: Kuralay S. Maksotova, Dariya T. Kalikh, Arnur T. Omirzakova, Botagoz S. Bakirova, Dina N. Akbayeva

Chimica Techno Acta, 2022, Volume 9, Issue 3

Citations: 2 | per year: 0.5

DOI: <https://doi.org/10.15826/chimtech.2022.9.3.04>

Anatomy — 1 articles

Medical and Biological Sciences — 1 articles

1. Engineering and scientific elite at the Mendeleev congress in Ekaterinburg and reflections about science and education

Authors: E. Z. Golosman

Chimica Techno Acta, 2017, Volume 4, Issue 1, pp. 54-99

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2017.4.1.024>

Complementary and alternative medicine — 1 articles

Complementary and Alternative Medicine Studies — 1 articles

1. Impact of herbal supplements nowadays an overview

Authors: L. I. Ramirez, O. N. Kanwugu, M. N. Ivantsova

Chimica Techno Acta, 2022, Volume 9, Issue 2S

Citations: 9 | per year: 2.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.2.s4>

Endocrinology, Diabetes and Metabolism — 1 articles

Natural Antidiabetic Agents Studies — 1 articles

1. Batch extraction of β -carotene from Gac (*Momordica cochinchinensis* Spreng) fruit peel

Authors: Tran Do Phuong Quyen, Do Hoang Thang, Uyen P.N. Tran, Quoc Hai Nguyen, Hai D. Tran

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.12>

Pathology and Forensic Medicine — 1 articles

Phytoestrogen effects and research — 1 articles

1. Phytochemical screening and properties of botanical crude extracts and ethyl acetate fractions isolated by deep eutectic solvent

Authors: Saied Aboushanab, Vadim Shevyrin, Mustapha Kamel, Jonas Kambele, Elena Kovaleva

Chimica Techno Acta, 2022, Volume 9, Issue 4

Citations: 5 | per year: 1.2

DOI: <https://doi.org/10.15826/chimtech.2022.9.4.04>

Physiology — 1 articles

Nitric Oxide and Endothelin Effects — 1 articles

1. Thioester derivatives of 1,2,3-triazole-N-oxides Synthesis and study of cellular nitric oxide (NO) production effect

Authors: Vsevolod V. Melekhin, Maria D. Tokhtueva, Igor A. Lavrinchenko, Nikita O. Matyushin, Timofey D. Moseev, Mikhail V. Varaksin, Valery N. Charushin, Oleg N. Chupakhin

Chimica Techno Acta, 2026, Volume 13, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9573>

Pulmonary and Respiratory Medicine — 1 articles

Blood properties and coagulation — 1 articles

1. Physical and Chemical Characterization of Drag Reducing Polymer Based on Polyvinylpyrrolidone (PVP) in Human Blood Flow

Authors: Akram Jassim Jawad, Auda J. Braihi

Chimica Techno Acta, 2021, Volume 8, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2021.8.2.07>

Radiology, Nuclear Medicine and Imaging — 1 articles

Boron Compounds in Chemistry — 1 articles

1. Synthesis, luminescent properties and application opportunities of ■-substituted ortho -carborane -conjugated luminophores a mini review

Authors: Timofey D. Moseev, Tair A. Idrisov, Mikhail V. Varaksin, Valery N. Charushin, Oleg N. Chupakhin

Chimica Techno Acta, 2025, Volume 12, Issue 2

Citations: 3 | per year: 3.0

DOI: <https://doi.org/10.15826/chimtech.2025.12.2.13>

Nursing — 1 articles

Nutrition and Dietetics — 1 articles

Vitamin C and Antioxidants Research — 1 articles

1. Technology for the industrial production of K3 series vitamins based on menadione

Authors: Aleksey S. Antipov, Vasily A. Nizov, Anna Yu. Antipova

Chimica Techno Acta, 2020, Volume 7, Issue 2, pp. 81-86

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2020.7.2.05>

Social Sciences — 5 articles

Decision Sciences — 4 articles

Information Systems and Management — 2 articles

Academic Publishing and Open Access — 2 articles

1. Acknowledgment of *Chimica Techno Acta* Reviewers for 2025

Authors: Dmitry A. Medvedev

Chimica Techno Acta, 2026, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9564>



2. Editorial

Authors: Dmitry A. Medvedev

Chimica Techno Acta, 2023, Volume 10, Issue 2

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.2023.10.2.e>

Management Science and Operations Research — 1 articles

Economic, Social, and Public Health Issues in Russia and Globally — 1 articles

1. Milestones of chemical technology institute our past and present

Authors: M. A. Bezmaternykh, I. S Selezneva

Chimica Techno Acta, 2015, Volume 2, Issue 3, pp. 171-189

Citations: 1 | per year: 0.1

DOI: <https://doi.org/10.15826/chimtech.2015.2.3.019>

Statistics, Probability and Uncertainty — 1 articles

scientometrics and bibliometrics research — 1 articles

1. Advanced Journal Analysis Tool An open instrument for editorial self-assessment and external evaluation

Authors: Dmitry A. Medvedev

Chimica Techno Acta, 2025, Volume 12, Issue 4

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9260>

Arts and Humanities — 1 articles

History and Philosophy of Science — 1 articles

Academic Writing and Publishing — 1 articles

1. Format your references in a click The free Citation Style Constructor

Authors: Dmitry A. Medvedev

Chimica Techno Acta, 2026, Volume 13, Issue 1

Citations: 0 | per year: 0.0

DOI: <https://doi.org/10.15826/chimtech.9551>

Conclusion

This report contains 536 articles from «Chimica Techno Acta», grouped into a hierarchical structure: 4 research domains, encompassing multiple fields and subfields. We recommend paying special attention to articles marked as "Highly Cited" — they demonstrate significant scientific interest and can become an important part of your research.

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