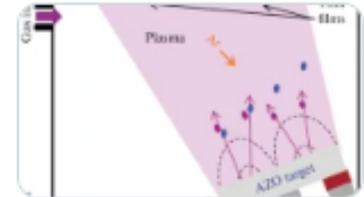


16 articles in this issue

Effect of Vacuum Annealing on the Microstructure and Optoelectronic Properties of AZO Thin Films Deposited on Glass Substrates via Confocal RF Magnetron Sputtering

Chibani Ouissem, Tahar Touam ... Fatiha Challali

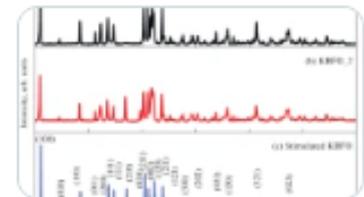
OriginalPaper | 20 February 2026 | Pages: 491 – 502



Strategy to Improve the Magnetic and Visible Light Induced Photocatalytic Properties of KBiFe₂O₅

B. Ramakrishna, P. H. K. Charan ... M. Ramanaiah

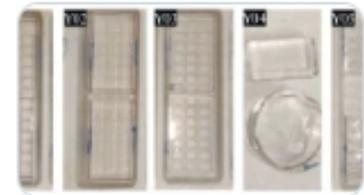
OriginalPaper | 20 February 2026 | Pages: 503 – 510



The Influence of Surface Polishing on the Mechanical and Chemical Properties of Crystal Glass

Yanjie Shi, Lida Luo & Qingwei Wang

OriginalPaper | 20 February 2026 | Pages: 511 – 519



Selective Ion Migration and Kinetics Mechanisms of Crystallization on Microwave Heating Process from Bayan Obo Iron Slag Glass Ceramics

Wence Xu, Kexuan Shen & Longfeng Tao

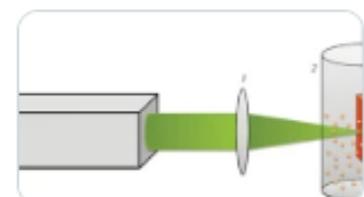
OriginalPaper | 20 February 2026 | Pages: 520 – 533



Evaluating the SERS Enhancement Efficiency of Silver, Gold, Copper, and Their Bimetallic (Ag–Au, Au–Cu) Nanoparticles

D. A. Soldatova, A. Del Carpio Rocha ... A. V. Povolotskiy

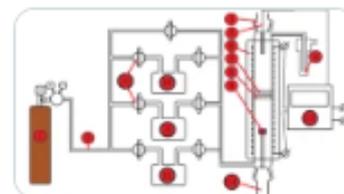
OriginalPaper | 20 February 2026 | Pages: 534 – 542



Structuring the Ni Matrix with Ti–C Nanostructures Using Surface Chemical Reactions to Create a Composite with Improved Mechanical Properties

E. G. Zemtsova, P. E. Morozov ... V. M. Smirnov

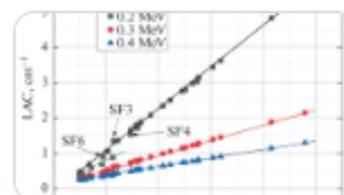
OriginalPaper | 20 February 2026 | Pages: 543 – 551



The Role of the Density of Optical Lead-Containing Flint-Group Glasses in the Formation of Their Quantitative X-Ray and Gamma Radiation Attenuation Characteristics

V. I. Arbuzov

OriginalPaper | 20 February 2026 | Pages: 552 – 559



Crystallization of Quartz Glass

A. I. Nepomnyashchikh, A. P. Zhaboedov ... A. K. Subanakov

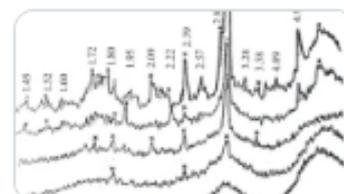
OriginalPaper | 20 February 2026 | Pages: 560 – 567



Mechanism of Formation of Semiconductor Glass–Ceramics during Bulk Isothermal Crystallization of As₂Se₃Sn_{0.4} Glass

E. V. Shkol'nikov

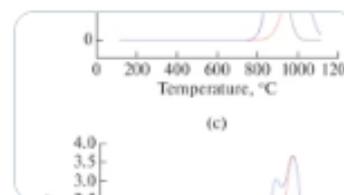
OriginalPaper | 20 February 2026 | Pages: 568 – 578



Effect of Replacement of SiO₂ ↔ (Al₂O₃ + BaO) on the Structure and Properties of Alkali-Free Silicate Glasses

N. T. Shardakov & A. V. Kuchugurov

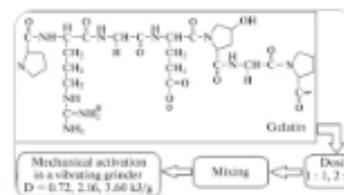
OriginalPaper | 20 February 2026 | Pages: 579 – 588



Mechanically Induced Composites of Gelatin/Polyacrylamide and Gelatin/Polyvinyl Alcohol

O. N. Dabizha, E. M. Ivan'kova & O. A. Shilova

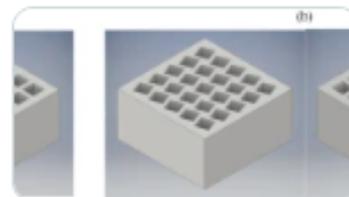
OriginalPaper | 20 February 2026 | Pages: 589 – 600



Influence of Channel Geometry in Honeycomb Catalyst Carriers Fabricated by Additive Manufacturing on Carbon Monoxide Oxidation Activity

M. M. Sychev, A. S. Dolgin ... E. I. Sysoev

OriginalPaper | 20 February 2026 | Pages: 601 – 611



Materials Based on the ZrO_2 – Yb_2O_3 – CeO_2 System for Solid Electrolytes: Synthesis and Properties

O. L. Belousova, N. Yu. Fedorenko ... T. V. Khamova

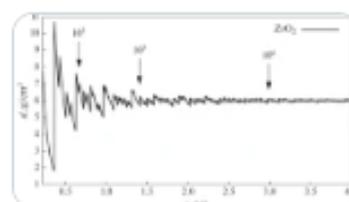
OriginalPaper | 20 February 2026 | Pages: 612 – 623



Size Dependence of the Density of Certain Substances

M. Yu. Arsent'ev & M. M. Sychev

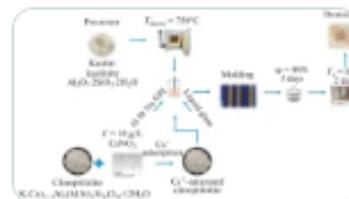
OriginalPaper | 20 February 2026 | Pages: 624 – 636



Development of Geopolymeric Kaolinite/Clinoptilolite Matrices for Radioactive Waste Disposal

A. A. Alekseev, A. V. Kuz'mina ... O. Yu. Golubeva

BRIEF MESSAGE | 20 February 2026 | Pages: 637 – 641



The Influence of Synthesis Conditions on the Porous Textural Characteristics and Morphology of Saponite Particles

O. Yu. Golubeva

BRIEF MESSAGE | 20 February 2026 | Pages: 642 – 645

