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Journal Information

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Classification History

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2026		✓	✓	
2025		✓	✓	
2024		✓	✓	
2023		✓	✓	
2021/2022		✓	✓	
2020		✓	✓	
2019		✓	✓	
2018		✓		

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Recent Articles

Neural-Network Prediction of Temperature and Species-Concentration Distributions in a Turbulent Flame from Spectral Emission Radiance
2026-8 Vol. 143 Issue 2 Pages 173-183
Authors: A. M. Molchanov, D. S. Yanyshev, A. D. Ezhov et al.
DOI: 10.1134/s1063776126700123

Bipartite Entanglement in Nondegenerate Sum Frequency Generation under Second-Order Hamiltonian Interaction
2026-8 Vol. 143 Issue 2 Pages 106-132
Authors: Dilip Kumar Giri, Ghizal F. Ansari
DOI: 10.1134/s106377612660203x

Improving the Performance of a NO2 Gas Sensor Using a TFB-polymer and Graphene Composite: A Comparative Study with an H2S Sensor
2026-8 Vol. 143 Issue 2 Pages 94-105
Authors: Sujood Basim Jabr, Raied K. Jamal
DOI: 10.1134/s1063776126601606

Design and Simulation of a Diode-Pumped CW Solid-State Nd:YAG Laser (1064 nm)
2026-8 Vol. 143 Issue 2 Pages 85-93
Authors: Rasha S. Fayadh, Noor L. H. Al-Awsaj, Hadeel. M. Rasheed et al.
DOI: 10.1134/s1063776126601485

Impact Research of Magnetic Compression of the Electron Beam on the Production of Neutrons in Reaction Be(γ; n)
2026-8 Vol. 143 Issue 2 Pages 184-191
Authors: A. G. Polyanskiy, S. V. Ryzhkov
DOI: 10.1134/s1063776126700147

Wavelength-Dependent Plasma Ontogeny and Topographical Phase Transition Mapping of Core Pharmaceutical Paracetamol Solid Forms: A Biomedical LIP Diagnostic Benchmark
2026-8 Vol. 143 Issue 2 Pages 151-165
Authors: Madyan Ahmed Khalaf
DOI: 10.1134/s1063776126602193

Physical and Mechanical Tests of Protective Coatings on Metal Surfaces
2026-8 Vol. 143 Issue 2 Pages 166-172
Authors: I. S. Belashova, L. G. Petrova, E. S. Belokopytova et al.
DOI: 10.1134/s1063776126603083

Self-Absorption of Hg and Tl Emission Lines in Two-Dimensional HID Lamps: a Radiative Transfer Study
2026-8 Vol. 143 Issue 2 Pages 133-150
Authors: Basma Ghrib, Mohamed Bouaoun, Hatem Elloumi
DOI: 10.1134/s1063776126602041

Harmonic Control in a Free Electron Laser Using an N-Frequency Undulator
2026-7 Vol. 143 Issue 1 Pages 76-84
Authors: A. Gajbhiye, D. Jain
DOI: 10.1134/s1063776126600054

Influence of Ta2O5/Au Thin-Film Thickness on Surface Plasmon Resonance for Gas Sensing: A Numerical Study
2026-7 Vol. 143 Issue 1 Pages 31-37
Authors: Laith N. Abbas, S. Ahmadi-Kandjani, Mohammed K. Khalaf et al.
DOI: 10.1134/s1063776126601564