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Atoms

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Message from the Editor-in-Chief

The scope of *Atoms* is deliberately wide and encompasses a large part of theoretical and experimental atomic, molecular, nuclear, and chemical physics in order to encourage cross-disciplinary connections, while supporting the more traditional idea of individual subfields. The journal is also interested in papers concerning the computation and compilation of data related to applications in the above areas. Details of experimental methods and codes are welcome. Your research is taken seriously and peer-reviewed with care. I encourage you to contact me or any of the Editorial Board Members for further information.

Editor-in-Chief

Dr. James F. Babb

Aims

Atoms aims to encourage cross-disciplinary connections between theoretical and experimental atomic, molecular, nuclear, and chemical physics.

Scope

- Experimental and theoretical atomic, molecular, and nuclear physics, chemical physics
- The study of atoms, molecules, nuclei, and their interactions and constituents
- Quantum theory, applications, and foundations
- Microparticles, clusters
- Exotic systems (muons, quarks, anti-matter)
- Atomic, molecular, and nuclear spectroscopy and collisions
- Nuclear energy, radioactive decay
- Nuclear magnetic resonance (NMR) and electron spin resonance (ESR), hyperfine interactions
- Orbitals, valence, and bonding behavior
- Atomic and molecular properties and photon interactions

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CiteScore - Q2 (*Nuclear and High Energy Physics*)

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Scopus, ESCI (Web of Science), Astrophysics Data System, Inspec, CAPlus / SciFinder, INSPIRE, and other databases

Rapid Publication

A first decision is provided to authors approximately 21.4 days after submission; acceptance to publication is undertaken in 4.8 days (median values for papers published in this journal in the first half of 2024)

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