Journal of Physical Sciences: Zeitschrift für Naturforschung A

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Scope and general policies of the journal

Scope

A Journal of Physical Sciences: Zeitschrift für Naturforschung A (ZNA) is an international scientific journal which publishes original research papers from all areas of experimental and theoretical physics. Authors are encouraged to pay particular attention to a clear exposition of their respective subject, addressing a wide readership. In accordance with the name of our journal, which means “Journal for Natural Sciences”, manuscripts submitted to ZNA should have a tangible connection to actual physical phenomena. In particular, we welcome experiment-oriented contributions.

Submissions to this journal should fit into one of the following main categories: Atomic and molecular & chemical physics, dynamical systems & nonlinear physics, elementary particles & quantum fields, gravitation and cosmology, hydrodynamics, quantum theory, optics and information, solid state physics or thermodynamics & statistical physics.

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- Atomic, Molecular & Optical Physics
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- Gravitation & Cosmology
- Hydrodynamics & Plasma Physics
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- Quantum Field Theory
- Solid State Physics & Materials Science
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(i) Research Articles

A Research Article usually is partitioned into individual sections. An introduction should explain the article’s topic to a general readership, while a conclusion or discussion section should outline the significance of the new results obtained. There is no formal length limit to a Research Article, but authors should avoid elements of unnecessary length, and restrict figures and tables to what is necessary for efficient communication.

(ii) Research Notes

A Research Note is a rapid communication of particular urgency which does not exceed two pages in print. Decision about the acceptance of a Research Note will be made especially fast.

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A Letter is a focused communication which usually does not exceed five pages in print. A letter does not need to be divided into individual sections, but should start with an introduction accessible to a general readership and end with a concise summary. Letters will be given priority handling by the editors.
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A Review Article gives an overview over an emerging or particularly active field of current research. Authors wishing to prepare a Review Article should contact one of the editors prior to submission, providing an abstract, tentative section headings, and a length estimate.

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Zeitschrift für Naturforschung A holds a high standard for compound characterization. For new compounds, evidence for identity and purity must be provided. Evidence for documenting the identity of new compounds should include proton and carbon NMR data and MS accurate mass (HRMS) or elemental analysis data. A copy of a spectrum with a signal-to-noise ratio sufficient to permit seeing peaks with 5% of the intensity of the strongest peak should be included in the supporting information.

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Peer review, turnaround times and preprint policies

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