Journal of MATERIALS RESEARCH

CALL FOR PAPERS

Advanced Inorganic and Ceramic Materials

Research on inorganic materials and advanced ceramics has resulted in major advances in energy, electronic devices, high-temperature applications, and optoelectronic and magnetic materials. These advances are underpinned by innovations in synthesis and processing, nanoscale science, advances in analytical and computational tools, discovery of new materials with extraordinary properties, and fundamental understanding of structure–property relations. *JMR* seeks to capture the perspectives of professionals from different disciplines toward understanding the need and outcomes of current inorganic, ceramics research.

Suggested topical areas include, but are not limited to:

- 2D materials including graphene, dichalcogenides, and mxenes
- Single crystals and glasses
- Novel powder and ceramic densification including cold and flash sintering
- Microstructure and grain-boundary structuring including complexions, textured films and, bulk materials
- Microstructure–property studies
- Nanomaterials and nanoscience
- Novel thermodynamics-directed materials such as high entropy solids and thermodynamic-stabilized materials
- Batteries, fuel and solar cells, thermoelectrics
- Ferroelectric and functional materials
- High-temperature materials including thermal-barrier coatings
- *In situ* and *in silico* studies
- Thin-film processing
- Additive manufacturing

EDITOR-IN-CHIEF

Gary L. Messing, The Pennsylvania State University, USA

MANUSCRIPT SUBMISSION

To be considered for the journal, new and previously unpublished results significant to the development of this field should be presented. The manuscripts must be submitted via the *JMR* electronic submission system. **Note our manuscript submission minimum length of 3250 words, excluding figures, captions, and references, with at least 6 and no more than 10 figures and tables combined. Review articles may be longer but must be pre-approved by proposal to the Editor-in-Chief via jmr@mrs.org. The proposal form and author instructions may be found at mrs.org/jmr-instructions.** All manuscripts will be reviewed in a normal but expedited fashion.

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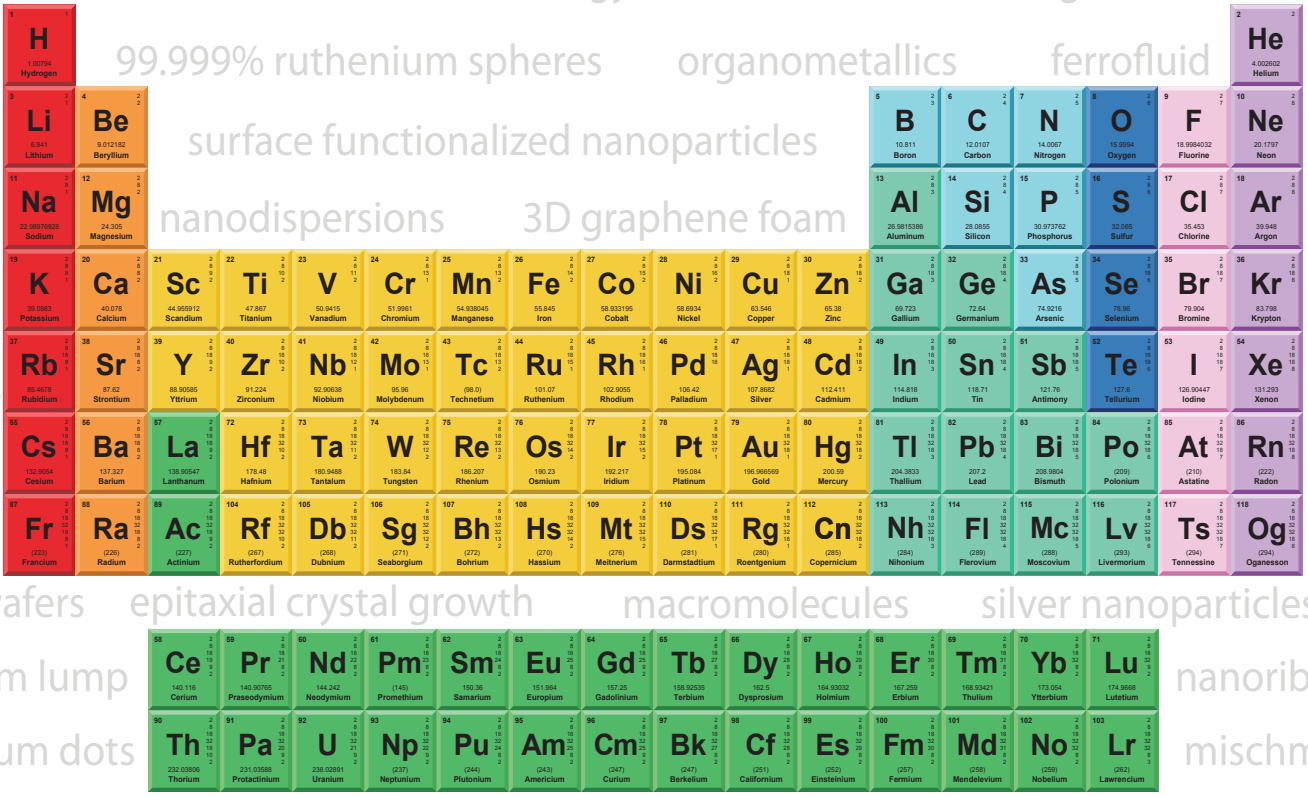
https://doi.org/10.1557/mrs.2020.191 Published online by Cambridge University Press



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