

JOM Call for papers

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Publication Date: *June 2024*

Manuscript Deadline: *December 1, 2023*

Progress in Crystal Plasticity

This topic focuses on the recent progress in the understanding of crystal plasticity through advances in characterization and modeling techniques. Of particular interest are in-situ mechanical testing, in-situ characterization of dislocation microstructure, interactions between dislocations and other defects such as grain boundaries and voids, integration of these experimental findings with plasticity models, and improvements in the modeling techniques at different scales.

Original research papers should be 3,000-9,000 words with up to 12 figures maximum; review papers should be 6,000-11,000 words with up to 20 figures maximum.

Detailed author instructions are available at:

<http://www.tms.org/AuthorTools/>

Keywords for this topic: **Characterization; Computational Materials Science & Engineering; Modeling and Simulation**

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Committee Sponsor(s): **Advanced Characterization, Testing, and Simulation**

If you are interested in submitting a paper, upload your manuscript at <https://www.editorialmanager.com/jomj/>

Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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