

JOM Call for papers

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Manuscript Deadline: *June 1, 2022*

Phase Stability and Transformation of Energy Storage Materials

This special topic will cover: (1) structure, chemistry, and processing of energy storage materials; (2) phase transformation, phase stability, and compositional short-range ordering in energy storage materials; (3) recycling of energy storage materials; (4) advanced characterization including neutron scattering, 3-dimension scanning electron microscopy, scanning transmission electron microscopy, in-situ x-ray diffraction, etc.; (5) chemo-mechanical processing of energy storage materials; (6) computational modeling: first-principles density functional theory, molecular dynamics, Monte Carlo simulations, phase field, CALPHAD, etc.

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: **Advanced Materials; Alloy Phases; Computational Materials Science & Engineering; Energy Conversion and Storage; Phase Transformations**

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Committee Sponsor(s): **Alloy Phases**

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

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