

CALL FOR PROPOSALS

NEW! Original Research in Energy & Sustainability

MRS Energy & Sustainability will now publish original research articles highlighting recent breakthroughs in energy and sustainability research that emphasize materials science developments integrated with objective economic, sociological, and policy factors. This research will span a wide range of topics including energy generation, storage, and distribution; carbon capture; life-cycle analysis of energy and non-energy materials; technologies for optimizing water resources, and more.

Within the scientific and technological communities, global sustainability challenges cannot be addressed without also considering the integration of broader societal, economic, and policy issues framing the adoption of innovative technologies. Putting materials, energy, and environment in the framework of sustainability is a primary focus of *MRS Energy & Sustainability*, defining the context for this field and leading its scientific development. The journal's intended readership is a broad spectrum of scientists, academics, policymakers, and industry professionals.

Originally a review-only journal, the addition of original research to the reviews, commentaries, and perspectives delivered by the journal will inform and educate on the scientific, technological, socio-economic, and policy complexities for energy and sustainability, establishing the unique character and scope of the journal in serving numerous communities of researchers.

Proposals for original research papers are solicited in the following areas, including but not limited to:

- ▶ Energy generation (solar, wind, and nuclear)
- ▶ Energy storage (batteries, biofuels, solar fuels, supercapacitors)
- ▶ New forms of energy distribution and usage enabled by these new materials (such as future electronics, neuromorphic devices, sensors, etc.)
- ▶ Electrocatalysis and photocatalysis
- ▶ Materials for carbon capture and storage
- ▶ Life-cycle analysis (LCA) of new energy materials and systems
- ▶ Life-cycle analysis for applications other than energy (electronics, plastics)
- ▶ Reducing or making substitution for use of rare or toxic materials
- ▶ Designing materials properties for long life or transience
- ▶ Use of plastics in the environment
- ▶ Artificial intelligence to speed research for sustainability solutions
- ▶ Synthetic biology for materials development
- ▶ Technologies for water purification or conversion

Submission of Proposals

To be considered, proposals outlining new but complete and previously unpublished results significant to the development of this field should be submitted via the *MRS Energy & Sustainability* electronic submission system. The proposal form and author instructions may be found at mrs.org/energy-sustainability-proposal-form.

Editor-in-Chief

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Please contact energy@mrs.org with any questions.



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55 Cs 132.9054 Cesium	56 Ba 137.327 Barium	57 La 138.90547 Lanthanum	58 Ce 140.12 Cerium	59 Pr 140.90766 Praseodymium	60 Nd 144.242 Neodymium	61 Pm (145) Promethium	62 Sm 150.36 Samarium	63 Eu 151.964 Europium	64 Gd 157.25 Gadolinium	65 Tb 158.92535 Terbium	66 Dy 162.5 Dysprosium	67 Ho 164.93032 Holmium	68 Er 167.259 Erbium	69 Tm 168.93421 Thulium	70 Yb 173.054 Ytterbium	71 Lu 174.967 Lutetium							
87 Fr (223) Francium	88 Ra (226) Radium	89 Ac (227) Actinium	90 Th 232.0377 Thorium	91 Pa 231.03688 Protactinium	92 U 238.02891 Uranium	93 Np (237) Neptunium	94 Pu (244) Plutonium	95 Am (243) Americium	96 Cm (247) Curium	97 Bk (247) Berkelium	98 Cf (251) Californium	99 Es (252) Einsteinium	100 Fm (257) Fermium	101 Md (258) Mendelevium	102 No (259) Nobelium	103 Lr (262) Lawrencium							
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