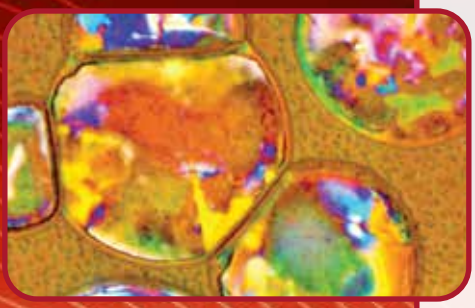
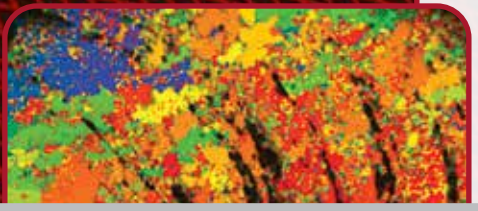
JOM Call for papers

An official publication of The Minerals, Metals & Materials Society





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Manuscript Deadline: *March 1, 2024*

Sustainable Recovery of Refractory and Photovoltaic Metals

Many elements vital to advanced technologies face possible depletion in the next 50 years. Refractory metals (primarily Mo, Nb, Re, Ta, W, and broadly Cr, Hf, Ir, Os, Rh, Ru, Ti, V, Zr) with their exceptionally high melting points and resistance to wear, corrosion, and deformation have seen increased demand in applications such as electronics, aerospace, and metal processing. Photovoltaic metals (primarily Cd, Se, Ge, Ga, Te, In) are needed for solar panels, batteries, and other renewable energy system components. Although recovery and recycling of many elements is limited, future element sourcing will likely involve wastes such as landfill sites, waste electrical and electronic equipment, industrial wastes, and others. Manuscripts are invited with a focus on advancing the understanding and application of, e.g., multifunctional reactors and hybrid separations, multidiscipline extraction, separation, recovery and processing methodologies, techniques and technologies, recycling schemes, and sustainable practices.

Detailed author instructions are available at:
http://www.tms.org/AuthorTools/

Keywords for this topic: **Aqueous Processing; Extraction and Processing; Hydrometallurgy; Minerals; Recycling and Secondary Recovery; Refractory Metals; Photovoltaic Metals; Hydrometallurgy; Recovery; Recycling; Sustainability**

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Committee Sponsor(s): **Hydrometallurgy and Electrometallurgy**

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.