Special Issue

Research on Single-Atom Catalysts

Message from the Guest Editors

Single-atom catalysts (SACs), with maximum atom utilization and unique electronic and geometric properties, have gained significant attention. These catalysts exhibit superior catalytic properties, such as high activity and selectivity, increased stability, and the ability to tune reactivity through precise control at the atomic level. This Special Issue aims to gather the latest advances in the field of SACs, addressing the synthesis, characterization, and application of SACs in diverse fields, including energy conversion and storage, environmental remediation, and fine chemical synthesis. We welcome original research articles and reviews that provide valuable insights into the development, understanding, and application of SACs. We anticipate receiving your submissions and thank you for your valuable contributions in advance.

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Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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