

Special Issue

Smart Manufacturing: Materials and Technologies for Advanced Equipment

Message from the Guest Editor

In order to explore new progress in the field of high-end equipment and smart manufacturing, this Special Issue is being launched and will mainly focus on four topics: IC equipment and intelligent manufacturing, aerospace and aeronautics equipment and intelligent manufacturing, robot and intelligent manufacturing, and marine equipment and intelligent manufacturing. This SI will also receive support from the "2023 International Forum on High-end Equipment and Intelligent Manufacturing". This forum is organized by Hangzhou Dianzi University and will be held in Hangzhou, China, from 14 to 16 July 2023. This SI will select suitable papers that demonstrate new achievements and progress in high-performance manufacturing technology research for key components, basic components, and core components of high-end equipment in the fields of integrated circuits, aviation, ocean, and new materials. This SI mainly focuses on the design and manufacture of machining tools, manufacturing theory and technology of aviation and nuclear power materials, multiphysics machining modeling, high surface integrity control, performance transferring rules and modeling methods, intelligent manufacturing, etc.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

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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