

## Special Issue

# Physical Metallurgy of Metals and Alloys

### Message from the Guest Editors

The goal of this Special Issue on the physical metallurgy of metals and alloys is to bring together information on the recent progress, novel technologies, advanced equipment described in our works on the design and development of advanced metals and alloys and provide guidelines/benchmarks for further research in related areas. Examples of some of the recent advances relating to the design, properties, and processing of advanced metals and alloys include novel material processing techniques, manufacturing methods/theories, microstructural characterization, modelling development, and advanced equipment. Conventional and nonconventional processes relating to machining, forming, laser processing, additive/subtractive manufacturing, surface modification, and the solidification of high performance alloys/metals are also included. Topics of papers that will be considered for publication in this Special Issue of *Materials* can include all the above classes of materials and the areas of physical metallurgy, process metallurgy, materials science, and processing techniques. Full papers, short communications, and reviews are all welcome.

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### Guest Editors

Prof. Dr. Pan Gong

Prof. Dr. Maojun Li

Prof. Dr. Guangchao Han

Dr. Xin Wang

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### Deadline for manuscript submissions

closed (31 March 2023)



## Materials

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## About the Journal

### 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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