Special Issue

State-of-the-Art in Additive Manufacturing

Message from the Guest Editor

After years of evolvement, additive manufacturing has broken new ground in fabricating customized complex-structured products, thus having the potential to redefine manufacturing. Despite this fact, additive manufacturing still suffers from problems stemming from coarse resolution, anisotropic material property, limited material selection, etc. To reduce these issues, attempts have been made for a solution by integrating different additive manufacturing technologies with magnetic, electric, and acoustic fields. For now, field-assisted additive manufacturing is still at an infant stage. This Special Issue will focus on efforts made on technological advances in field-assisted additive manufacturing from perspectives of materials, methodologies, and extension of applications. Topics can include but are not limited to:

- Magnetic field-assisted additive manufacturing;
- Electric field-assisted additive manufacturing;
- Acoustic field-assisted additive manufacturing;
- Material development in field-assisted additive manufacturing;
- Methodology advancement in field-assisted additive manufacturing;
- Extension of applications of field-assisted additive manufacturing.

Guest Editor

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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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