Special Issue

3D Printing Materials: Innovation, Design and Future Technology

Message from the Guest Editor

Nowadays, the challenges that the conventional/traditional electronic device industry faces are that the fabrication pathway is complex, there is a high level of generation of heat/harmful chemicals in the deposition process, a high volume of raw material being wasted and also relies on rigid substrates that do not match with the needs of the industry for flexible, bendable electronics. The 3D printing technology is based on the Additive Manufacturing concept and it is no doubt capable of revolutionising the whole system of manufacturing electronic devices including material selection; design and fabrication steps and device configuration and architecture. This Special Issue will encompass few of the most important aspects of 3D printing, that are shared by all types of the emerging electronic devices, such as: Materials, Innovation, Design and Manufacturing Technologies. We invite both the academia and industry communities to join togheter and to contribute either by research articles, comments or reviews to this Special Issue.

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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