Special Issue

Recent Advances in Color 3D Printing

Message from the Guest Editors

Color 3D printing is a remarkable technology for customized manufacture and integrated production in different industries, despite a few key issues such as printing speed and size for industrialization. To date, there is only limited research on accurate color reproduction and on universal color reproduction methods for different printing materials. To systematically understand colorization principles and color transmission in color 3D printing, an exhaustive literature review is needed to show the state of the art of color reproduction methods for color 3D printing. Coloring, rendering, and acquisition issues are not comprehensively investigated and are challenging problems in developing a general color accuracy evaluation system. Furthermore, accurate color 3D printing processes can also be extended to full-color 4D printing with precise color response. This Special Issue focuses on recent developments of color 3D printing, we encourage you submit a manuscript to this Special Issue focused on color 3D printing technologies, materials, and printouts designed for customized applications.

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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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