Special Issue

Advanced Materials for Smart and Functional Windows

Message from the Guest Editor

It is our pleasure to announce the Special Issue "Advanced Materials for Smart and Functional Windows" which aims at attracting reviews, full papers or notes (in open access) related to the following aspects of advanced smart glass and windows. The scope include, without being limited to, the following topics related to Smart glass, smart windows, climate adaptive building shells, electrochromic, photochromic, thermochromic, suspended-particle, polymer-dispersed liquid-crystal, nanocyrstal smart glass, micro-blinds, optofluidics: This platform is to explore the technologies that may result in the desired optical effect, and thus develop a range of technologies with different costs and performance. Lower complexity should result in lower cost and increase adoption, and thus thus their widespread application will not be limited. We call for articles encouraging workers in the field to think both inside and outside the box, finding ways to decrease costs and increase performance for both standard and exploratory smart window technologies.

Thank you very much for your consideration.

Kind regards,
Prof. Keith Goossen

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2019)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/15575

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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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