

Special Issue

Novel Materials and Applications by Controlled Radical Polymerization

Message from the Guest Editor

Reversible-deactivation radical polymerization (RDRP), also known as controlled radical polymerization (CRP), is emerging as a robust and versatile choice for functional material development. Since the mid-1980s, CRP has been utilized to engineer controlled polymers architectures with tunable material properties both in academia and industry. CRP facilitates the incorporation of functional monomers, controls polymer microstructure and in some cases does not require excessive purification steps prior to use in a variety of delicate electronic and biological applications. This Special Issue will focus on the development of new materials and applications that benefit from the use of CRP. Advancement of novel material applications, such as nanoporous membranes, drug delivery, biological imaging, tissue engineering, nanofeatured templates, proton exchange membranes, and electron donor-acceptor polymers for organic photovoltaics, organic light emitting diodes and electrical memory applications, to name but a few. It is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers, and communications are welcome.

Guest Editor

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Deadline for manuscript submissions

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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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