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Novel Materials and Applicaitons by Controlled Radical Polymerization

Guest Editor:

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Deadline for manuscript submissions:
closed (31 August 2019)

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.

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Message from the Editor-in-Chief

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