Special Issue

Recognition Materials and Separation Applications

Message from the Guest Editor

Recognition materials have emerged as important media for the selective separation and molecular recognition of target molecules, including an ionic, molecular, or macromolecular template and so on in current research frontiers, demonstrating rapid development and increasing applications in the last decade. Success depends on the selection of appropriate monomers that interact with the template to create the complementary binding site and on the nature of polymer synthesis. Recognition materials prepared in this way may be used in separations, sensors, extraction, catalysis, purification and a host of other applications exploiting specific molecular recognition. The present Special Issue "Recognition Materials and Separation Applications" aims to assemble a diverse collection of articles describing aspects of recognition material synthesis and application. In particular, we welcome contributions concerning the synthesis of recognition materials for specific applications, the synthesis of new separation monomers, novel synthesis approaches and methods of recognition materials design and synthesis. Both research articles and reviews will be considered.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
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