Special Issue

Silsesquioxane (POSS) Polymers, Copolymers and Nanoparticles

Message from the Guest Editor

Polyhedral oligomeric silsesquioxanes (POSS) are cubic nanoparticles with the general formula (RSiO3/2)n. The range of substituents which can be attached to the silicon–oxygen cage-like core allows a variety of functionalities and physical properties to be exhibited by these versatile nanomaterials. POSS materials have found applications in catalysis, electronics, energy storage, healthcare, optics and sensors, among others. This Special Issue is concerned with the design, synthesis, characterisation and applications of silsesquioxane compounds and materials. Topics may include synthetic routes, material properties and end applications. The issue may also address investigations into structure–function relationships, polymerisation involving POSS, as well as the use of POSS in relation to biological systems. Ideally, contributions will focus on fundamentals and applications that will help to compile the current state-of-the-art and highlight the range of uses for this versatile molecule. Both original contributions and reviews are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/34966

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
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