



applied sciences



Special Issue Reprint

Recent Advances in Small-Angle Neutron Scattering

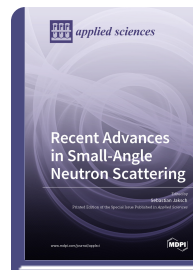
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Over the decades, small-angle neutron scattering has become a definitive method for structural investigation on the mesoscale between a few Angstrom up to a few 100 nm. This makes it an indispensable tool for non-destructive material investigations in fields ranging from chemistry and biology, over material sciences to solid state physics, especially taking into account the fundamental nature of neutrons, which makes it possible to probe different isotopes and, therefore, enhance contrast by choosing an appropriate isotope distribution or to probe the spin state of the investigated materials.

This Special Issue is dedicated to elucidate the advances made with SANS over the last few years, which includes new instrumentation, sample environment and experimental control, as well as novel approaches and experimental techniques.

The ideas and approaches collected here will serve both the experienced experimenter as well as the novice to appraise whether their specific experimental setup is feasible with new ideas.



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