Combined solid-state NMR, FT-IR and computational studies on layered and porous materials.

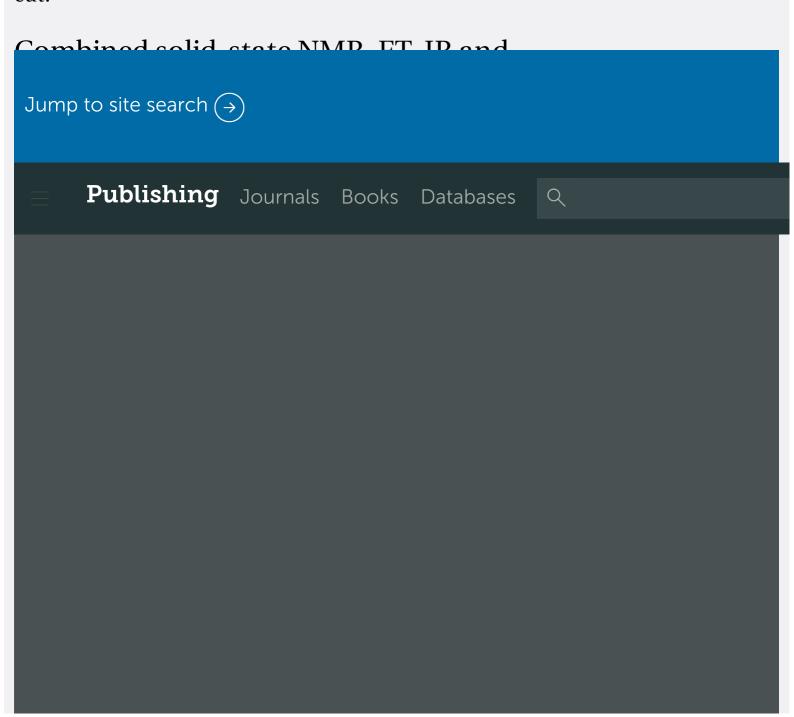
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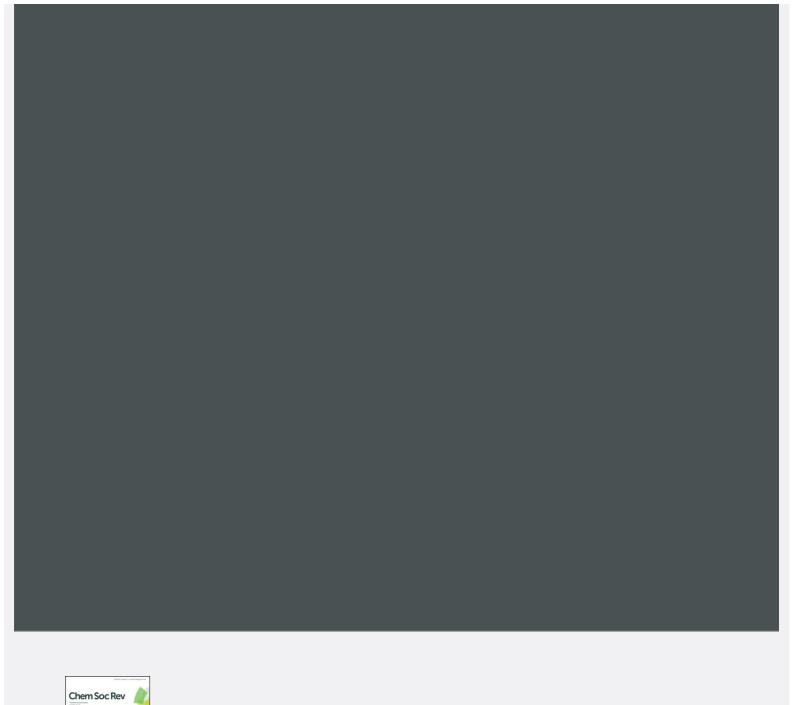
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Chemical Society Reviews

Combined solid-state NMR, FT-IR and computational materials

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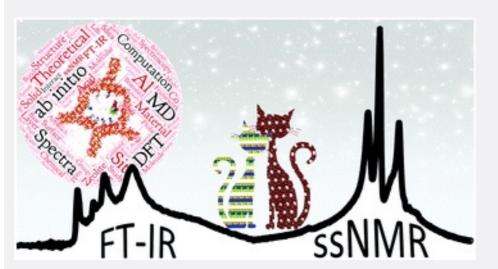
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Abstract

Understanding the structureâ "property relationship of solids is of utmost relevance technological applications in industries. This contribution reviews the concept of c techniques (solid-state NMR, FT-IR and computational methods) for the study of so architectures and discusses the way it will benefit the scientific communities. It his aspects of the proactive combined approach strategies to gather information at a m multiple spectroscopic and computational methods allows achieving an in-depth u confined space processes that are beneficial for the establishment of structureâ "prospectroscopic properties of probe molecules in monitoring the strength and distrib accessibility at the porous/layered surface is discussed. Both experimental and the relevant examples. This review also identifies and discusses the progress, challenges and applications of layered and porous solids.



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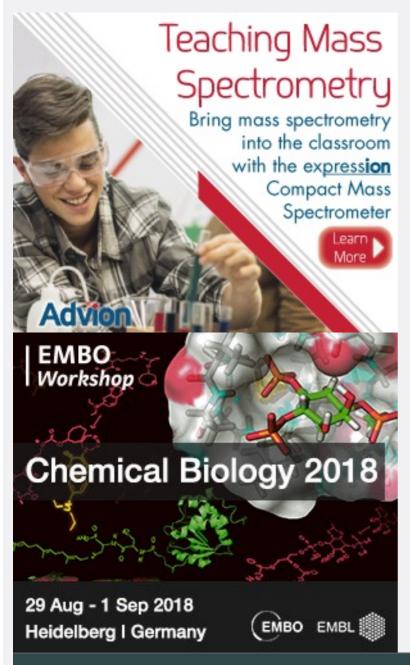
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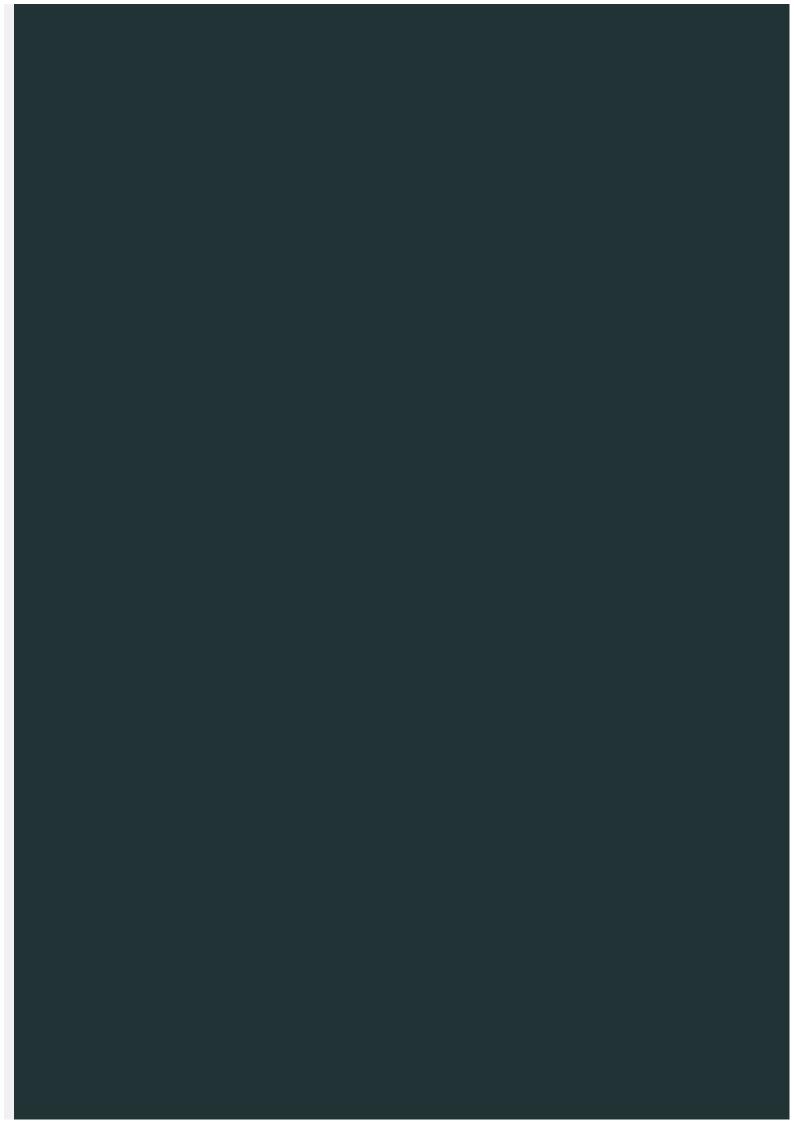
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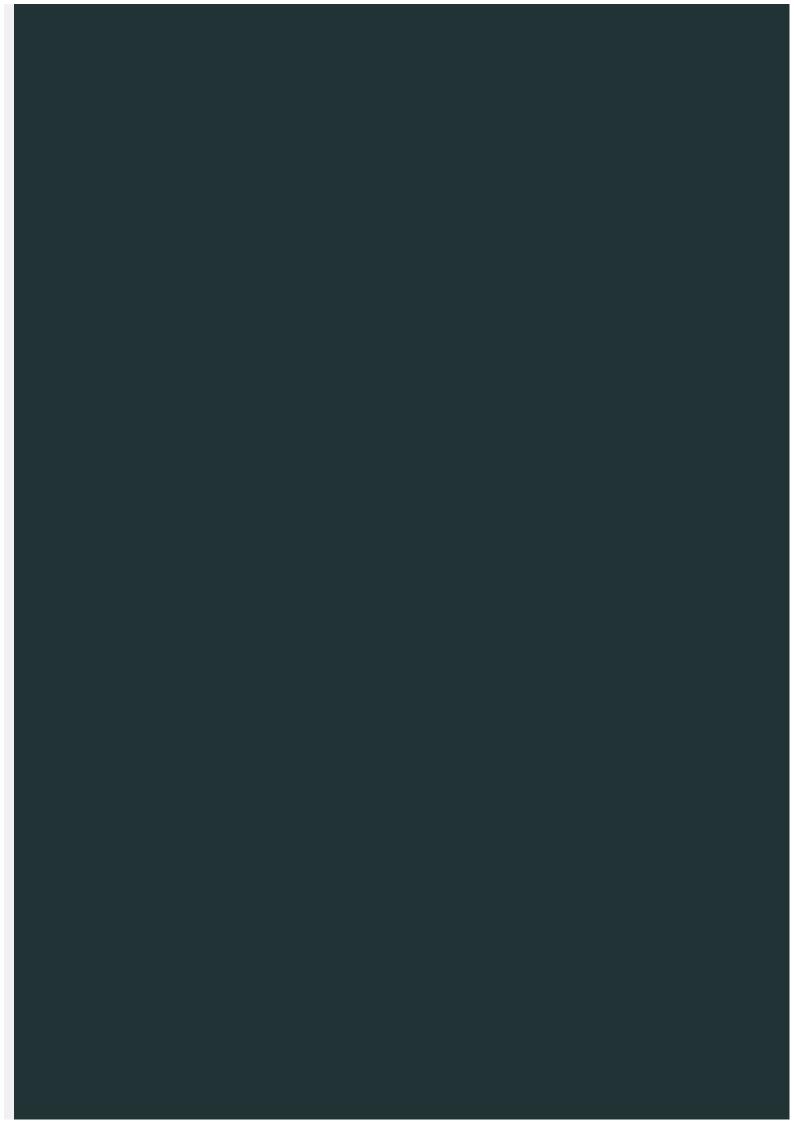
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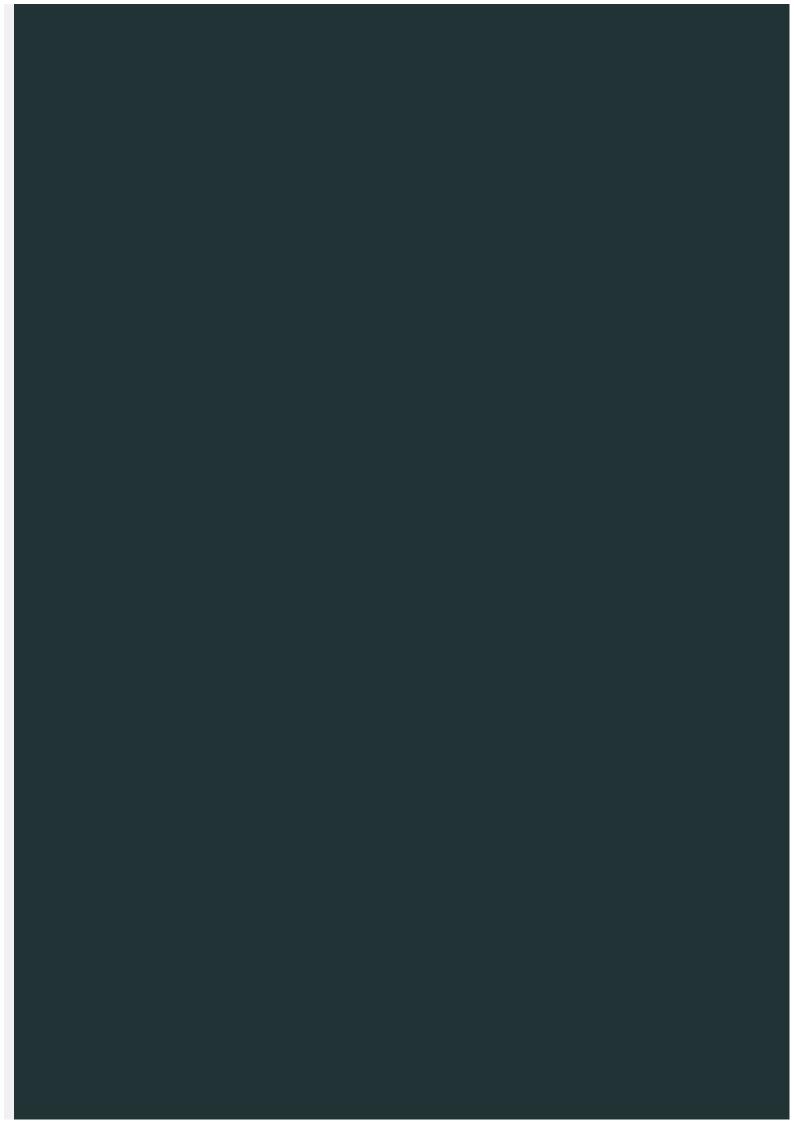
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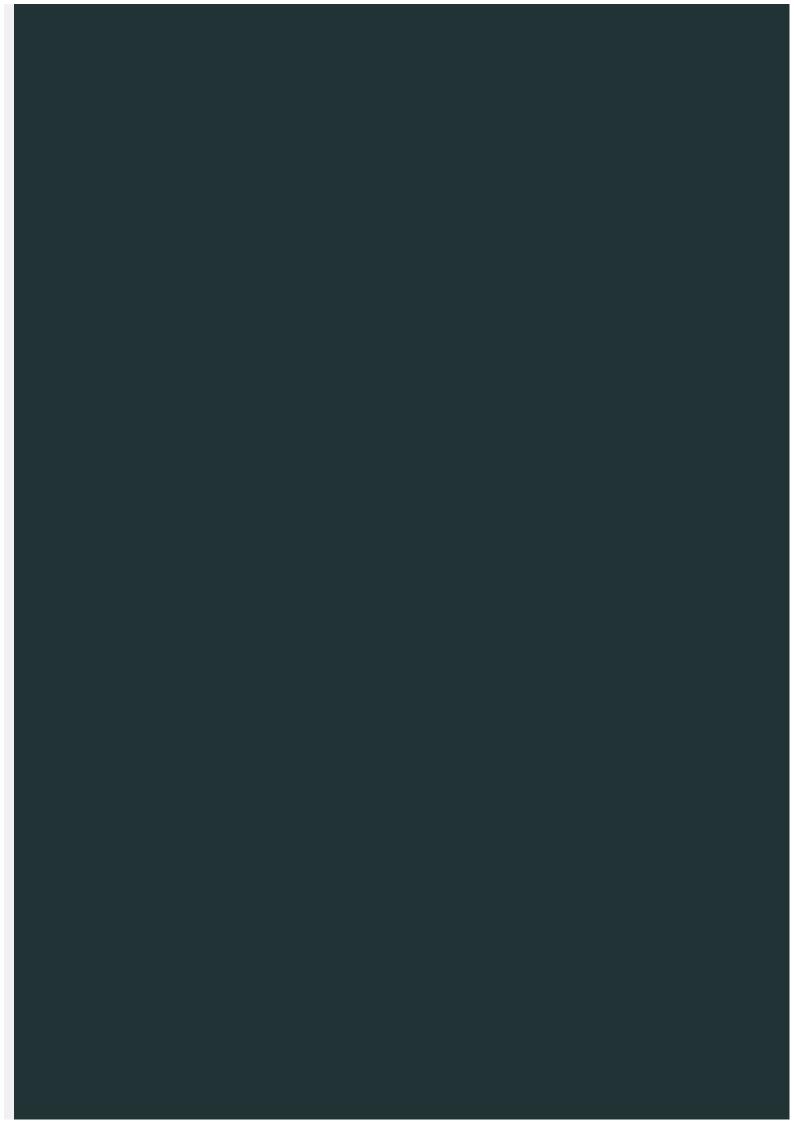
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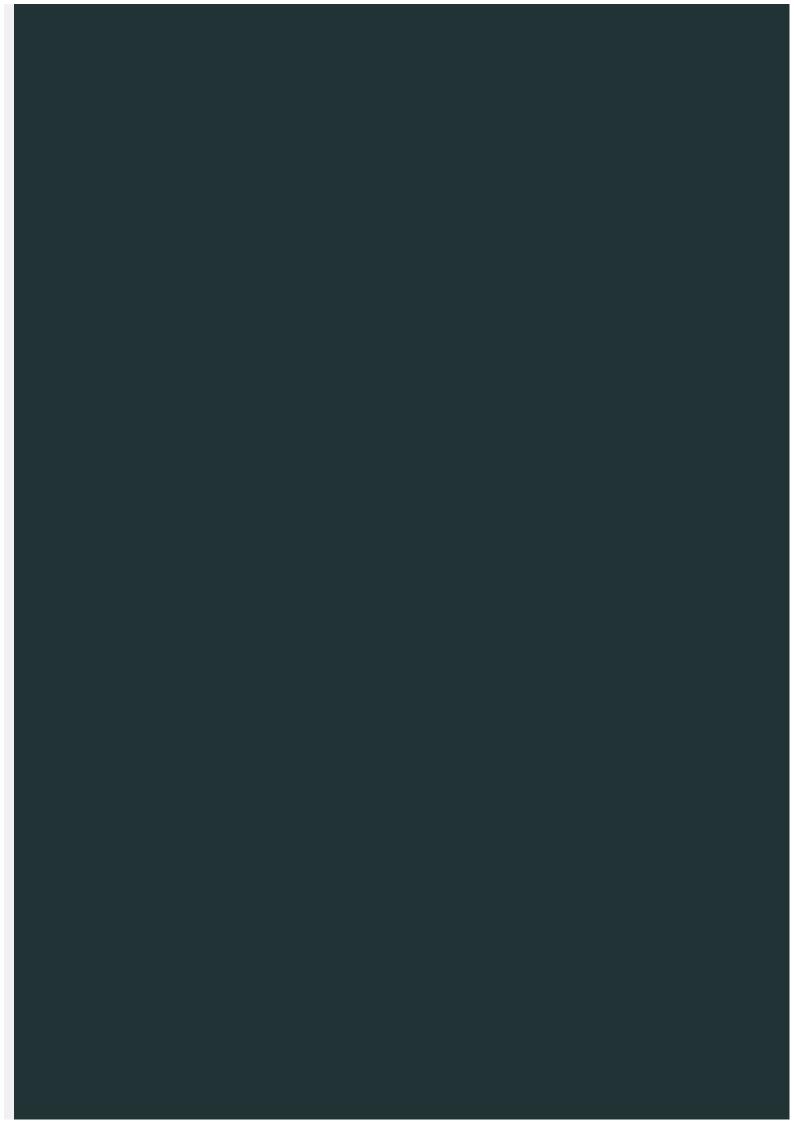
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