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



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

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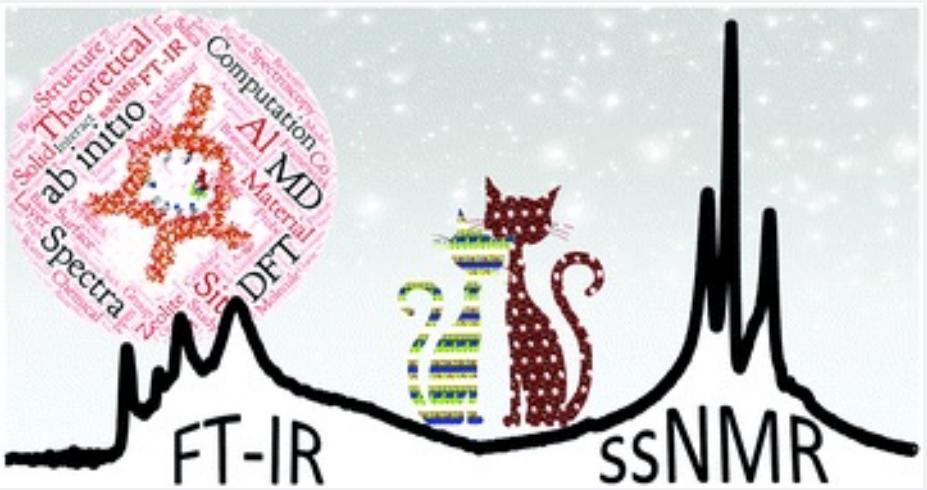
## Abstract

Understanding the structureâ “property relationship of solids is of utmost relevanc
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 hig
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 “pr
spectroscopic properties of probe molecules in monitoring the strength and distrib
accessibility at the porous/layered surface is discussed. Both experimental and theo
relevant examples. This review also identifies and discusses the progress, challenges
and applications of layered and porous solids.

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