Solid State Organometallic Chemistry: Methods and Applications
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DESCRIPTION
An authoritative and up-to-date account of structure analysis techniques and chemical applications in the solid state focusing on X-ray diffraction, Mossbauer spectroscopy and solid-state NMR. As solid state chemistry becomes increasingly important, organometallic chemistry will play a key role in addressing complex structures and developing novel interface chemistry. This book presents state-of-the-art reviews by leading chemists which detail the progress that has been made in the physical models and physical measurements of organometallics in the solid state.

* Critically analyses X-ray diffraction techniques in advanced and single crystal structure determination

* Discusses the potentials of Mossbauer spectroscopy, solid state NMR and X-ray spectroscopy in structural analysis

* Includes ab initio calculations on bonding in transition metal complexes

This book will be invaluable to organometallic and solid state chemists and will also be of interest to physicists as well as polymer and materials scientists.
ABOUT THE AUTHOR

Marcel Gielen is the editor of *Solid State Organometallic Chemistry: Methods and Applications*, published by Wiley.

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