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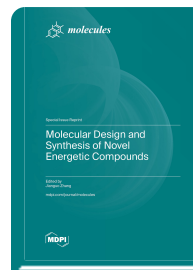
Special Issue Reprint

Molecular Design and Synthesis of Novel Energetic Compounds

www.mdpi.com/books/reprint/11754

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ISBN 978-3-7258-5657-2 (Hardback)
ISBN 978-3-7258-5658-9 (PDF)



Energetic compounds have the characteristics of a high density, high enthalpy of formation, and good thermal stability, and they have been extensively studied and reported by researchers in recent years. Energetic materials are special and dangerous energy materials that store a large amount of energy in their structures, which can be released in a very short time under external stimuli such as heat, shock, and friction. As such, they play a very unique but important role in both defense and civilian industries. Energetic compounds have been widely used in the field of energetic materials such as primary explosives, high-energy explosives, rocket propellants, and fireworks. In recent years, they have received increasing attention from energetic materials scientists around the world, and many different kinds of energetic compounds have been designed, synthesized, and reported. This Reprint of this Special Issue is comprised of original research papers on the theoretical design, experimental synthesis, performance evaluation, and practical significance of energetic compounds.



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