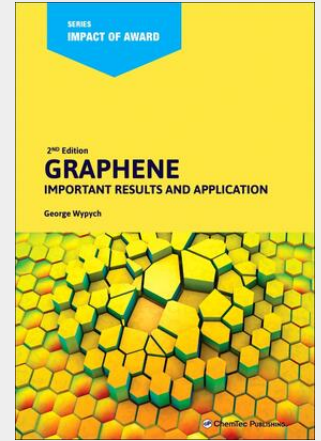


Wypych

Graphene

Important Results and Applications

This new edition of Graphene: Important Results and Applications provides a succinct overview of this innovative material, its history and development, applications, future prospects, and challenges. This 2nd edition has been updated and expanded to include all the latest developments. It covers production of graphene and its derivatives, commercial manufacture of graphene, research results and data on its properties, graphene dispersion, chemical modification, and cutting-edge applications. Eleven groups of production methods of graphene and its derivatives are discussed at length, providing how-to-do and what-to-expect analysis and comparison of potential properties of the resultant products. Also included are ideas for new product development and possible improvement of existing products, as is insight into the unique nature of graphene and its types, including morphology and thickness, mechanical properties, electrical conductivity, elastic properties of 2D and 3D structures, and more.



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