

eBook Information

Aerogels I

Preparation, Properties and Applications

Eds. Inamuddin, Tauseef Ahmad Rangreez, Mohd Imran Ahamed and Rajender Boddula

Monograph / PDF eBook DRM Free

This book focuses on aerogels and their applications in such areas as energy storage, thermal storage, catalysis, water splitting and environmental remediation.

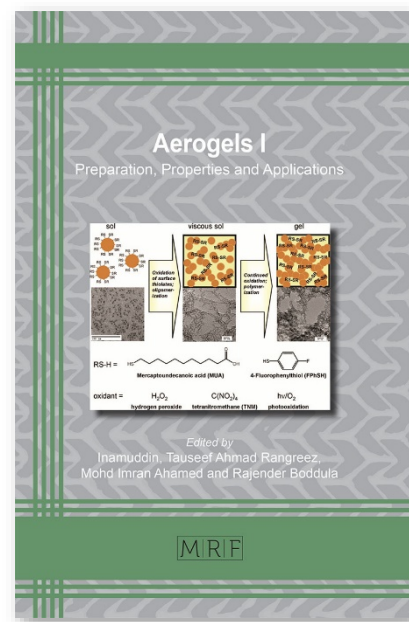
Keyword: Aerogels, Nanocellulose Aerogels, Non-Silicate Aerogels, Organic Aerogels, Composite Hybrid Aerogels, Carbon-based and Graphene-based Aerogels, Biogels, Hybrid Silica-based Aerogels, Energy Storage, Thermal Storage, Catalysis, Water Splitting, Environmental Remediation, Absorbents, Gas Filters, Packaging Materials, Electrical Devices, Thermal Insulations, Fire Retardants, Pharmaceutical and Biomedical Applications, Functional Foods, Thickeners, Stabilizers, Scaffolding in Tissue Repair

ISBN 13: 978-1-64490-099-4, **Publication Date:** 2020 (11/15/2020)**Direct URL:** <https://www.mrforum.com/product/aerogels-I>

282 pages, PDF eBook DRM Free, USD 125.00

Materials Research Foundations Vol. 84 / **BISAC:** TEC021000 / **BIC/Thema:** TGM**Imprint:** Materials Research Forum LLC, *Publisher's sales rights are Worldwide***Summary:**

This book focuses on aerogels and their applications in such areas as energy storage, thermal storage, catalysis, water splitting and environmental remediation. The materials covered include nanocellulose-, porous-, silica-, hybrid silica-, carbon-, graphene- and magnetic aerogels. Ways of modulating the pore structure of aerogels are presented, as well as surface modifications and the application of coatings. Future perspectives focus on functional foods, thickeners, stabilizers, and scaffolding in tissue repair.



Print Book Information

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