

eBook Information

Sodium-Ion Batteries

Materials and Applications

Eds. Inamuddin, Rajender Boddula, Mohd Imran Ahamed and Abdullah M. Asiri

Monograph / PDF eBook DRM Free

The book covers the fundamental principles and applications of sodium-ion batteries and reports experimental work on the use of electrolytes and different electrode materials, such as silicon, carbon, conducting polymers, and Mn- and Sn-based materials. Also discussed are state-of-the-art, future prospects and challenges in sodium-ion battery technology.

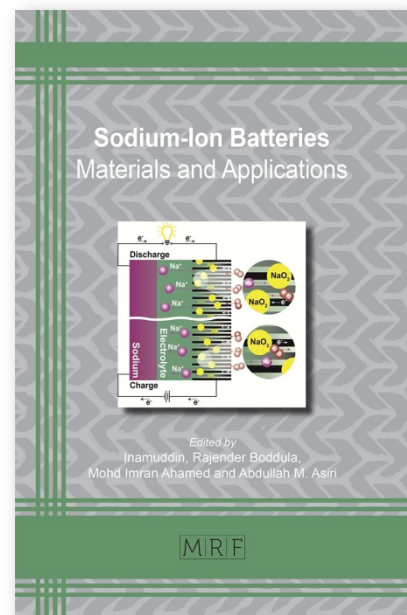
Keyword: Sodium-Ion Batteries, Lithium-Ion Batteries, Carbon Nanofibers, Conducting Polymers, Electrode Materials, Electrolytes, Graphene, Carbon Anodes, Magnetic Nanomaterials, Mn-based Materials, Sn-based Materials, Na-O₂ Batteries, NASICON Electrodes, Organic Electrodes, Polyacetylene, Polyaniline, Polyphenylene, Redox Mediators, Reversible Capacity, Singlet Oxygen, Superoxide Stability

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Materials Research Foundations Vol. 76 / BISAC: TEC021000 / **BIC/Thema:** TGM**Imprint:** Materials Research Forum LLC, *Publisher's sales rights are Worldwide***Summary:**

Sodium-ion batteries are likely to be the next-generation power sources. They offer higher safety than lithium-ion batteries and, most important, sodium is available in unlimited abundance. The book covers the fundamental principles and applications of sodium-ion batteries and reports experimental work on the use of electrolytes and different electrode materials, such as silicon, carbon, conducting polymers, and Mn- and Sn-based materials. Also discussed are state-of-the-art, future prospects and challenges in sodium-ion battery technology.



Print Book Information

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