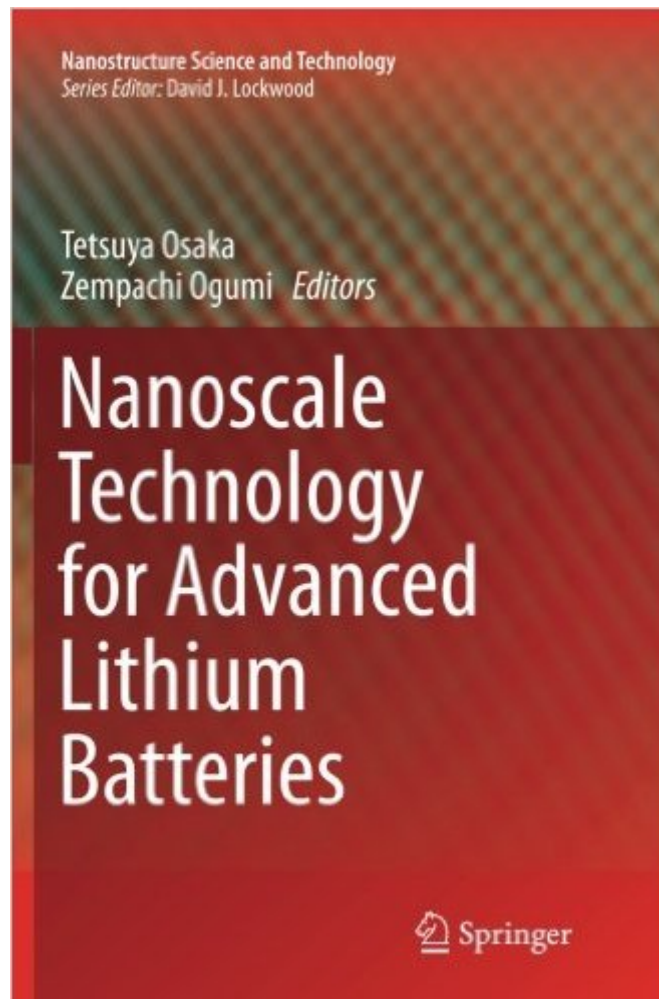


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Nanoscale Technology For Advanced Lithium Batteries (Nanostructure Science And Technology)



Synopsis

The unfortunate and serious accident at the nuclear power plants in Fukushima, Japan caused by the earthquake and tsunami in March 2011 dealt Japan a serious blow. Japan was nearly deprived of electric power when in response to the accident all nuclear reactors in Japan were shut down. This shortage further accelerated the introduction of renewable energies. This book surveys the new materials and approaches needed to use nanotechnology to introduce the next generation of advanced lithium batteries, currently the most promising energy storage devices available. It provides an overview of nanotechnology for lithium batteries from basic to applied research in selected high technology areas. The book especially focuses on near-term and future advances in these fields. All contributors to this book are expert researchers on lithium batteries.

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