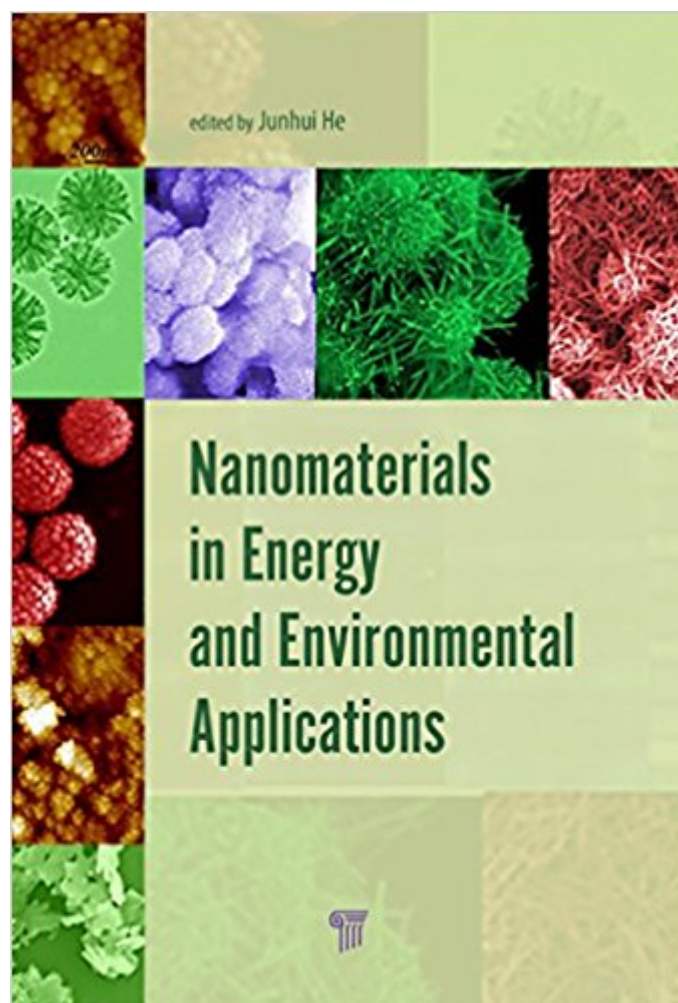


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Nanomaterials In Energy And Environmental Applications



Synopsis

Nanoscience and nanotechnology are interdisciplinary fields that bring together physicists, chemists, materials scientists, and engineers to meet the potential future challenges that humankind will face, including the search for renewable energies for sustainable development and new technologies for carbon capture and environmental protection. Among the current subjects in nanoscience and nanotechnology, nanomaterials are developing fast and explosively and attracting a huge amount of attention. They continue to show promising potential and have found application in solar cells, fuel cells, secondary batteries, supercapacitors, air and water purification, and removal of domestic and outdoor air pollutants. To summarize the past developments and encourage future efforts, this book presents contributions from world-renowned specialists in the fields of nanomaterials, energy, and environmental science. It discusses the design and fabrication of nanostructured materials and their energy and environmental applications.

Book Information

Hardcover: 548 pages

Publisher: Pan Stanford; 1 edition (June 23, 2016)

Language: English

ISBN-10: 9814463787

ISBN-13: 978-9814463782

Product Dimensions: 6.1 x 1.3 x 9.2 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

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