



*polymers*



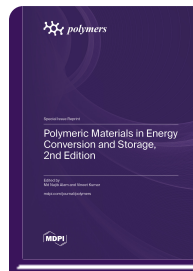
*Special Issue Reprint*

## **Polymeric Materials in Energy Conversion and Storage, 2nd Edition**

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This reprint provides a comprehensive overview of the current advancements and emerging roles of polymer-based materials in energy conversion and storage technologies. Each chapter highlights recent findings on the design, synthesis, and functional optimization of novel polymers and polymer composites exhibiting superior electrical, mechanical, and thermal properties. The discussed materials demonstrate significant potential for applications in sensors, energy harvesting systems, batteries, supercapacitors, and various electronic devices. Emphasis is placed on understanding the structure–property–performance relationships that govern the efficiency and stability of these systems. Collectively, the contributions in this volume offer valuable insights into the development of next-generation polymeric materials for sustainable and high-performance energy technologies.



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