# Dr Jin Photovoltaic Energy Storage

Jin advances the exploitation of (nano)materials for electrocatalysis, solar energy conversion, energy storage, optoelectronics, spintronics, and biotechnology. Dr. Jin has authored or ...

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Dr. Michael Jin is a senior scientist at Johns Hopkins University Applied Physics Laboratory. His research interests broadly include new concepts in materials science for power and energy ...

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He studies a variety of nanomaterials including transition metal silicide nanowires and metal oxide and chalcogenide nanomaterials, their novel physical properties and applications in photovoltaic and ...

This Special Issue focuses on recent progress in 2D and hybrid nanomaterials for advanced energy storage devices such as supercapacitors and batteries. It highlights how defect engineering, interface ...

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Due to the intermittent nature of sunlight, practical solar energy utilization systems demand both efficient solar energy conversion and inexpensive large-scale energy storage.

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This paper proposes a joint electricity and carbon sharing framework with photovoltaic (PV) and energy storage system (ESS) for deep decarbonization, allowing distributed PV prosumers ...

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