## Qiuyu Shi

Prof. Chen

Gelatin coated self-made manganese dioxide as cathode material in aqueous rechargeable zinc-ion battery

Aqueous rechargeable zinc-ion battery (ARZIB) has been a competitive candidate for the energy storage system because of its high energy density, high safety, low cost, and environmental friendliness. From many cathode materials, manganese dioxide (MnO2) has been widely used because of the low cost, abundant resource and environment friendly features.

