

Therefore, GQDs offers a broad range of applications in various fields (medicine, energy conversion, and energy storage devices). This review will present the recent research based ...

In order to meet the sophisticated demands for large-scale applications such as electro-mobility, next generation energy storage technologies require advanced electrode active materials with ...

Additionally, graphene's versatility enables hybrid structures with high-capacity anode materials, enhancing both energy storage and cyclic stability. Its high surface area provides numerous ...

1 ?&#0183; Abstract Doping graphene with metal-based materials improves most of its identified and unique properties such as large surface area, high electrical conductivity, high mobility and ...

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