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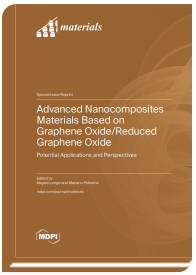
*Special Issue Reprint*

# Advanced Nanocomposites Materials Based on Graphene Oxide/Reduced Graphene Oxide

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Dear Colleagues,

We are pleased to announce that the Special Issue titled *"Advanced Nanocomposite Materials Based on Graphene Oxide/Reduced Graphene Oxide: Potential Applications and Perspectives"* has been successfully completed and is now available online as a Reprint. This Special Issue highlights the integration of GO/r-GO with polymers, inorganic nanoparticles (e.g., Au, Ag, Pt), and other carbon-based nanomaterials, showcasing their potential in fields such as the following:

- Energy storage: $Fe_3O_4$/r-GO nanocomposites for supercapacitor electrodes;
- Environmental remediation: PMMA-based nanocomposites for Cr(VI) removal from waste water;
- Solar energy: Photothermal materials based on trifluoromethylated azobenzene and r-GO, among others;
- Biomedical and diagnostic applications: r-GO-based impedimetric immunosensors for SARS-CoV-2 detection;
- Gas sensing and flexible electronics: functionalized GO/r-GO with metal oxides and composite aerogels, among other examples.

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