

Antibacterial activity of positively and negatively charged hematite (α -Fe₂O₃) nanoparticles to Escherichia coli, Staphylococcus aureus and Vibrio fischeri

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Combined effects of test media and dietary algae on the toxicity of CuO and ZnO nanoparticles to freshwater microcrustaceans Daphnia magna and Heterocypris incongruens : food for thought

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Decoding the atomic structure of Ga₂Te₅ pulsed laser deposition films for memory applications using diffraction and first-principles simulations

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A novel thermochemical metal halide treatment to high-performance Sb₂Se₃ photocathode

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Optical dynamics of copper-doped cadmium sulfide (CdS) and zinc sulfide (ZnS) quantum-dots core/shell nanocrystals

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Optimization of the Sb₂S₃ shell thickness in ZnO nanowire-based extremely thin absorber solar cells

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Preparation and characterization of photocatalytically active antibacterial surfaces covered with acrylic matrix embedded nano-ZnO and nano-ZnO/Ag

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Simulations of graphene nanoribbon field effect transistor for the detection of propane and butane gases : a first principles study

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Solution-mediated inversion of SnSe to Sb₂Se₃ thin-films

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Structural, mechanical, and optical properties of laminate-type thin film SWCNT/SiO_xN_y composites

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Sunlight-driven photocatalytic degradation of methylene blue with facile one-step synthesized Cu-Cu₂O-Cu₃N nanoparticle mixtures

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Towards blue long-lasting luminescence of Eu/Nd-doped calcium-aluminate nanostructured platelets via the molten salt route

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