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-- Synthesis of Single Nanometer-Sized Au Nanoparticles Coated with Silica Toward X-Ray Contrast Agent -- Biosynthesis and Characterizations of Gold Nanoparticles (AuNPs) Prepare Using Different Age Classes of *Marphysa moribidii* (Polychaetes) Extract as Biogenic Reducing Agents -- Physicochemical Properties of Silk Fibroin Electrospun Membranes Functionalized with Gold Nanoparticles and Choline Based Bio-Ionic Liquids -- The Influence of Silica Dioxide in the Electrocatalytic Performances of rGO/Fe<sub>3</sub>O<sub>4</sub> as Oxygen Reduction Electrocatalyst -- Carbon-Based and Silicon-Based Nanomaterials for Enhanced Structural Adhesives -- Keyword Index -- Author Index

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