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### **Economic aspects of mechanical pre-treatment's role in precious metals recovery from electronic waste**

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### **Effect of electrode covering composition on the microstructure, wear, and economic feasibility of Fe-C-Cr manual arc-welded hardfacings**

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### **Effect of graphene nanoplatelet content on mechanical and elevated-temperature tribological performance of self-lubricating ZE10 magnesium alloy nanocomposites**

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**Efficient lignin fractionation from Scots pine (Pinus sylvestris) using ammonium-based protic ionic liquid : process optimization and characterization of recovered lignin**

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**Engineered resistant-starch (ERS) diet shapes colon microbiota profile in parallel with the retardation of tumor growth in In Vitro and In Vivo pancreatic cancer models**

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**Enhanced visible and ultraviolet light-induced gas-phase photocatalytic activity of TiO<sub>2</sub> thin films modified by increased amount of acetylacetone in precursor solution for spray pyrolysis**

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**Erosion wear behavior of HVOF-sprayed WC/Cr<sub>3</sub>C<sub>2</sub>-based cermet and martensitic stainless steel coatings on AISi7Mg0.3 alloy : a comparative study**

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### **Supramolecular Chirogenesis in bis-porphyrin: crystallographic structure and CD spectra for a complex with a chiral guanidine derivative**

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**The cluster computation-based hybrid FEM–analytical model of induction motor for fault diagnostics**

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