

Advanced oxidation processes for sulfonamide antibiotic sulfamethizole degradation : Process applicability study at ppm level and scale-down to ppb level

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Automatic tolerance analysis of permanent magnet machines with encapsuled FEM Models using Digital-Twin-Distiller

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CO2 reduction to formate on an affordable bismuth metal-organic framework based catalyst

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A comprehensive review of carbon capture science and technologies

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Detailed insight into the CZTS/CdS interface modification by air annealing in monograin layer solar cells

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Effect of electrode type on electrospun membrane morphology using low-concentration PVA solutions

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Enhancing grid-forming converters control in hybrid AC/DC microgrids using bidirectional virtual inertia support

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Experimental mechanics analysis of recycled polypropylene-cotton composites for commercial applications

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4.9 % efficient Sb2S3 solar cells from semi-transparent absorbers with fluorene-based thiophene terminated hole conductors

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Fused hybrid linkers for metal–organic framework-derived bifunctional oxygen electrocatalysts

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Hospital wastewater treatment with pilot-scale pulsed corona discharge for removal of pharmaceutical residues

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Influence of A-Site Deficiency and Ca Concentration on the Electrical and Crystallographic Properties of (Nd0.2Sr0.7-xCax)YTi0.95Fe0.05O3-δ-Based Fuel Electrode for Solid Oxide Cells

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Iron triad-based bimetallic M-N-C nanomaterials as highly active bifunctional oxygen electrocatalysts

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NACA 2412 drag reduction using V-shaped riblets

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Optimization of La_{0.2}Sr_{0.7}- xCa xTi_{0.95}Fe_{0.05}O₃-δfuel electrode stoichiometry for solid oxide fuel-cell application

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Photoreflectance and photoluminescence study of antimony selenide crystals

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Rheology and dissolution capacity of cellulose in novel [mTBNH][OAc] ionic liquid mixed with green co-solvents

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The role of paradigms and technical strategies for implementation of the circular economy in the polymer and composite recycling industries

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