

List of Contributions

The Role Of TiO ₂ (Anatase, Rutile) In Lithium/Sulfur Batteries	13
The Height of the Schottky Barrier Versus the Visible Light Triggered Photocatalytic Activity of TiO ₂ +Au Catalysts	14
Recent Progress in Anodic TiO ₂ Nanotube Layer Synthesis	15
Nanostructured TiO ₂ Layers Modified with Lanthanide Oxides for Photocatalytic Removal of Low-Soluble Pollutants In Water	16
Reconstruction of SnO ₂ After Cathodic Polarization of FTO Films	17
Spray-Coated Composite Particulate TiO ₂ /SiO ₂ /CeO ₂ Layers.....	18
Particle Design for Photocatalytic and Photoelectrochemical Watersplitting.....	19
Photocatalytic Activity and Photostability of Exfoliated Graphitic Carbon Nitride.....	20
Photoassisted Electrodeposition of Cuprous Oxide in a Newly Developed Inverted Rotating Disk Electrode (IRDE) Setup	21
Photoelectron Generation in Plasmonic Au/TiO ₂ Nanorod Arrays for Solar Energy Conversion: Proof of Concept	23
Spectroscopic Study of Hybrid Graphene Decorated Nanocages and Copper-TiO ₂ Nanoparticles	24
Characterization of Photoactivity of Anatase Nanoparticles by Removal of the Ampicillin Antibiotics	25
Activated Carbon/TiO ₂ /Sulfur Composite Cathode with Improved Performance in Li-Sulfur Battery	26
Different Configurations of Reactive Magnetron Sputtering Systems Applied for the Deposition of N-type and P-type Semiconductor Thin Films for Solar Water Splitting.....	27
Fe ₂ O ₃ Based Semiconductor Photoanodes for Photoelectrochemical Applications	28
Photocatalytic Water Splitting over CeO ₂ /Fe ₂ O ₃ /Ver Photocatalysts.....	29
WO ₃ Film Photoanodes for Photoelectrochemical Applications	30
Scale-up of Anodic TiO ₂ Nanotube Layers.....	31
Performance Enhancing in Alkaline Water Electrolysis Stack	32
Optimisation of Catalyst Coated Membrane for Alkaline Water Electrolysis: Preparation Method and Membrane Thickness	33
Kinetic Parameters of the Oxygen Evolution Reaction at the LSM-YSZ Electrode in Solid Oxide Cell	34
Large Area Printed Photocatalyst. Up-scaling of Printing Process.....	35
Conductive Composite Anticorrosion Layer for PEM Fuel Cell Bipolar Plates	36
Optimization of Non-platinum Selenide-based Electrocatalysts for Oxygen Reduction Reaction in Alkaline Fuel Cells.....	37
The Influence of Gas Diffusion Electrode Hydrophobicity on the Efficiency of Alkaline Fuel Cell	38