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- OP 01 Crafting Highly-Porous Hexagonal 3D Carbon Structures for Energy Storage Application
Aswini Ramakrishnan
- OP 02 Polyaniline-based Biomimetic Self-sensing Supercapacitor
Athira Ajayan
- OP 03 Supercapacitive Performance Analysis of Nickel Disulfide Electrode in Li_2SO_4 Electrolyte
Susmi Anna Thomas
- OP 04 Investigation on Structural, Morphological, and Electrochemical Performance of $\text{La}_2\text{FeMnO}_6$ Double Perovskites
Anipriya M. A.
- OP 05 Enhancing Interplanar Spacing in $\text{V}_2\text{O}_3/\text{V}_3\text{O}_7$ Heterostructures to Optimize Cathode Efficiency for Zn-Ion Batteries
Tharani S.
- OP 06 Unveiling the Potential: Black Zinc Oxide as a Pioneering Material for Supercapacitor Innovation and Electrochemical Investigations
Shalini Shanmuganathi
- OP 07 Unlocking Specific Capacitance of Morphology Controlled MnO_2 and Its Functioning in High Energy Asymmetric Supercapacitor
Sai Prem Shaji
- OP 08 Fabrication and Characterization of Lead-Free, Air Stable Cs_2SnI_6 Thin Films
Anjana Nair V. J.
- OP 09 Spontaneous Curvature Induction in an Artificial Bilayer Membrane
Drishya Elizebath
- OP 10 Effect of 3d Atoms in 2D Single Molecule Magnets
Greeshma R.
- OP 11 Self-assembly of Some Amphiphilic Azo-Cardanol Compounds: Gelation and Liquid Crystalline Properties
Manoj Mathews

OP 12 Electronic Structure and Electric Field Response in Twisted Double Trilayer Graphene: Theory and Experiment

Anooja Jayaraj

OP 13 Origin of Low Lattice Thermal Conductivity Through Micro-Structural Defects in Ni Substituted Bi₂S₃ for Enhanced Thermoelectric Performance.

Karvannan E.

OP 14 Nonlinear Optics in Metal-organic Complex through Hyperpolarizability and Sum Over States Analysis

Saji Chandran

OP 15 Magnetoresistance and Enhanced Thermoelectric Performances in Ni-Mg Dual Cation Doped CuCrO₂ Crystallites

Jamshina Sanam P. K.

OP 16 Thermal Response of Double-Peak Nematicons in a Periodic Potential

Sajitha N. M.

OP 17 Facile Metal Catalyzed Low-Temperature Synthesis of Magnetic N-Doped Carbon Nanotubes (N-CNT)

Shemeena M.

OP 18 Enhanced Antibacterial Activity of Gd Doped ZnO Nanoparticles Synthesised by Coprecipitation Method

Bivitha T. K.

OP 19 Synthesis and Characterization of Pure ZnO Nanoparticles and 2D: ZnO Nanocomposites & Comparative Analysis of their Properties

Mary Lukose

OP 20 Luminescent Metal Organic Framework Based Sensor for Selected Pharmaceutically Active Compounds

Arundhathy J.

OP 21 Rapid and Sensitive Surface Enhanced Raman Spectroscopy Detection of Melamine Using Silver Nanoparticles Anchored Hexagonal-Boron Nitride Nanofibers

Navami Sunil

OP 22 Silver Supported Multi-walled Carbon Nanotubes based SERS Substrates for the Detection of Sulfate ions in Water Residues

Rajesh Unnathpadi

OP 23 Synthesis, Characterization, and Metal Ion Recognition Properties of A Triazole Linked Schiff Base Derivative of Pillar[5]Arene

Ameer Ali

OP 24 Luminescence Enhancement and Stark Splitting Studies on Li Co Doped Gd₂O₃:Eu³⁺ Micro Phosphors

K. M. Riyas

OP 25 Arsenic Detection Unveiling the Potential of Potentiometric Sensors

Anjana K. R.

OP 26 Controlled Synthesis and Engineering of One-dimensional Titanium Dioxide Nanofiber for Water Purification

Pooja P. Sarngana

OP 27 Harmonizing Adsorption, Kinetics, and Ultrasound-aided Sonocatalysis for the Removal of Congo Red from Aqueous Solution Using CuS Nanoflakes

P. Sravandas

OP 28 Effect on the Orientation Angle of TiO₂ with Tin Porphyrins Containing One and Many Anchoring Groups in MCSS for Water Splitting

Reshma J.

OP 29 Platinum-Grafted Twenty-Five Atom Gold Nanoclusters for Robust Hydrogen Evolution

Mymoona Paloli

OP 30 A Novel TPA-Based Dendritic Organic D- Π -A Dye for High Performing Indoor Photovoltaic DSSC.

Ramees J. P

OP 31 Synthesis of Efficient Bi-anchoring Phenothiazine Derivatives for Dye-Sensitized Solar Cells

Saranya P. K.

OP 32 Thermoresponsive Metal-Organic Hybrid for Multistate Logic Gate and Smart Window Applications

Anjali Nirmala
