

Radhikaram Dhekial Phookan – The First Indian Chemist to Publish Research Article

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SUPRAMOLECULAR COORDINATION SOLIDS OF Ni(II) AND Cu(II) INVOLVING BIOLOGICALLY RELEVANT 3,5-DIMETHYL PYRAZOLE LIGAND

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Newly Synthesized [Ni(II) and Pd(II) Heteroleptic Dithiolates-dppf Complexes]; Used as Photosensitizer for DSSC Applications

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Naphthalimide Based Fluorescent Probe For Selective Recognition Of Phenylbutazone In Aqueous Medium

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Spectrophotometric Determination of Ruthenium with its Catalytic Effect on Oxidation of Hexacyanoferrate(II) by Per iodate in Water Samples

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Profiles of The Components of Stabilization Energy and Their Physical Implications

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Applications of Inclusion Compounds in Organocatalysis

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Aggo Nps Catalyzed Facile Synthesis Of B-Carbolin-1-One Via Post Ugi Cyclization

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Reciprocal Carbonyl-Carbonyl $n \rightarrow \pi^*$ Interactions in Small Molecules and Proteins: Implications in Protein Folding

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Interaction of Levetiracetam with 2-Hydroxypropyl- β -Cyclodextrin: Experimental and Molecular Modeling Studies

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Palladium nanoparticles decorated on reduced graphene oxide: an efficient catalyst for ligand and copper free Sonogashira reaction at room temperature

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Low Temperature Synthesis And Antioxidant Activity Of Multiwalled Carbon Nanotubes And Nanowhiskers Accessed Natural Precursors

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A Biomimetic Magnetically Recoverable Palladium Nanocatalyst For Suzuki Cross-Coupling Reaction

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Fabrication of Tunable and Durable Bulk-Superhydrophobic Material from Amine ‘Reactive’ Formable Polymeric Gel.

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Probing Versatility of Probenecid Forming Inclusion Complexes with Cyclodextrins

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Sorbitol Based Tough Hyperbranched Epoxy Thermosets As Sustainable Materials

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Benzyl bromides as Aroyl Surrogates in Substrate Directed Pd Catalyzed o-Aroylation

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Density Functional Study of Monomers and Dimers of Transition Metals Supported on Graphene

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Pd-CoWO₄-GNS Hybrid Materials for Methanol Oxidation in Alkaline Medium

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Development of AzaIsoflavone Derivatives as Selective COX-2 and TP Receptor Antagonists

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Manifestation of Faceted Structures by Cluster Assemblies on Ultrasmall Gold Nanorods

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Luminescent Heteroleptic Copper(I) PPh₃-Dithio Complexes

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Synthesis of Iron Oxide Nanoparticles via Precursor Method on Their Magnetic Properties

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High power factor and enhanced thermoelectric performance of SnTe-AgInTe₂: Synergistic effect of resonance level and valence band convergence

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Functionalized fullerene as a nanomediator incorporated in molecularly imprinted polymer for electrochemical sensing of primaquine

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Highly Regioselective Synthesis of Vinyl Pyrrolidine Catalyzed by InCl₃ via Activation of Allylic Alcohol

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Design and synthesis of new organic electronic materials based on hetero doped organic polymers.

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Metal Free Sequential C(sp²)-H and C(sp³)-H Functionalization: A Facile Access of Fused Benzimidazole

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Spectroscopic elucidation of diminished insulin structure and stability on addition of green tea with sugar

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N,N-Dimethylacetamide (DMA) as a Methylene Synthons for Regioselective Linkage of Imidazo[1,2-a]pyridine

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Increases in the concentration of metallic micronutrient in plant seeds by water soluble carbon nano-onions

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Co Oxidation on Pt-Doped And Pt-Supported $\text{La}_{1-x}\text{Sr}_x\text{COO}_3$ Catalysts: Correlation of Oxidation State and Activity

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Order–Disorder Transition in Proteins: The Role of Hydrophobic and Electrostatic Interactions

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Aqueous Biphasic System Formation in Saccharinate based Ionic Liquids with various salts

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Excited State Proton Transfer (ESPT) of a Localized Probe in Revealing Interface of Benzylhexadecyldimethylammonium Chloride Reverse Micelle

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Unprecedented Folding in Linker Based Flexible Tripodal Molecule and Their Conformational Analysis

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Design Of Imprinting Network For Ethionamide Through Computational Investigation

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Green Synthesis, Thermal, Optical and Antibacterial Activity Studies on a Novel Organic Molecular Complex (SAMCNB) of 2-Chloro-4-nitrobenzoic acid with Salicylamide (2-Hydroxybenzamide)

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Study of Two Tautomers of Hydrazoneamide Ligand Stabilized through Metal Ion Coordination

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Studies on Aluminium Uptake by the Seeds Under Different Chemical Milieu and Its Effect on Seed Germination and Plant Growth of Bengal Gram (*Cicer arietinum*) and Pea (*Pisum sativum*)

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Hydroxyaromatic aldoximes in detection of fluoride ion and molecular recognition

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Palladium Catalyzed Oxidative Coupling between Amides with Olefins: Stereoselective Synthesis of Enamides

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Room Temperature synthesis of Amorphous MoS_x Nanoparticles for Hydrogen Evolution Reaction

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Graft Copolymerization of N-Vinyl-caprolactam Onto Carboxymethylcellulose Using Tertiary- butyl hydroperoxide initiator and Their Application in Antibacterial Activity

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Study of DNA/BSA Interaction of Oxidovanadium(V) Complexes of Aroylazines

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Synthesis, Structure and Affinity for Biomolecules of a few Copper(II) Complexes having L-Trp-Sal Ligand and Phenanthroline Bases

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Understanding the role of silica nanospheres with their light scattering and energy barrier properties in enhancing the photovoltaic performance of ZnO based solar cells

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Synthesis and Phase Characterization of TiO₂ and Mesoporous MCM-48 Containing TiO₂ Nanoparticles by XRD and TEM

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Preparation Of Iron Oxide Nanoparticles And Its Use As Adsorbent For Pb(II) Removal From Aqueous Solution

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Ethyl Acetate as Hands-On Acetyl Surrogate For Acetylation Of Alcohols

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Palladium loaded Zr(IV)phosphonate: an efficient and reusable catalyst for Suzuki coupling reaction

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A perylene diimide based supramolecular metallopolymer for dual sensing of Pd²⁺ and CN⁻ ions

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Indole-based schiff bases as chromogenic receptors for fluoride anion

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Synthesis, Characterization and Applications of N'-Benzylidene-2 Cyanoacetohydrazides

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Ground and Excited States of Neutral and Cationic Thieno[3,2-b]thiophene: A DFT Study

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Fluoride Pollution and Health Issues in Dongargaon Block, Chhattisgarh, India

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Room Temperature Ionic Liquid Based Extraction And Recovery of Cationic/Anionic Dyes From Water and Their Mechanistic Study

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Reactivity and Regioselectivity in The Ring opening of 2 Substituted Non Activated Aziridines: A Density Functional Theory Based Analysis

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Analysis Of Growth Promoter Antibiotics Used In Chickens Employing DRS-FTIR

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Synthesis of benzimidazole based covalent organic polymer for energy storage in supercapacitor

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2-hydroxy-1-naphthaldehyde and o-phenylenediamine based Schiff base: Fluorescent “off-on” sensor for Al³⁺

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L-Proline catalyzed domino synthesis of pyrazolo[4',3':5,6]pyrido[2,3-d]pyrimidine-5,7(4H,6H)-diones in water

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Removal Of Rhodamine B And Methylene Blue From Wastewater Using Modified Chitosan Supported Nanoscale Zero-Valent Iron Powder

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Iron(III) Catalyzed Peroxide Mediated C-3 Functionalizations of Flavones

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A new cobalt(II) complex containing diphenyl(2-pyridyl)phosphine oxide (OPPh₂Py) Ligand: Synthesis, structure and catalytic activity for alcohol oxidation reaction

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Theoretical Studies of Gas Phase Molecular Complex Formation of Substituted Catechol and A Water Molecule

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Silver-Vanadium Cluster for Direct Reduction of Aryl Carboxylic Acids to Aldehydes via Mars and van Krevelen Mechanism

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Study to Explore the Subsistence of Inclusion Complexes by Physicochemical Contrivances

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Role of Hydrogen Bond in the Solvation Behavior of the Binary Mixtures Containing Fluorocarbon Alcohol Molecules and Chloroform: An Experimental and Theoretical Study

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Exploring Solvation Consequence of an Ionic Liquid Prevailing in Diverse Industrially Noteworthy Solvents

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Unusual reactivity of MoS₂ nanosheets

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Statistical and theoretical investigations to understand the nature of inter- and intramolecular carbonyl-carbonyl short contacts.

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Effects of aqueous extract of *Aegle marmelos* leaves on blood glucose levels and body weight of normoglycemic and alloxan-induced diabetic mice

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ORGANOCATALYTIC ASYMMETRIC DOMINO REDOX ISOMERIZATION/ACETAL FORMATION OF γ -HYDROXYENONES

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Design and Synthesis of aryl hydrazones and their application as chemosensors and P-glycoprotein inhibitors

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Ru(II)-catalyzed ortho C(sp²)-H bond arylation

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Carbazole – Rhodanine Based Fluorescent Sensor For Selective Recognition Of Silver (I) Ion

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Switchable C–H Activation/Functionalization with Rh^{III}–aNHC Platform

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Synthesis of biogenic CuO nanoparticles using natural products and its catalytic application

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A red fluorescence ‘turn-on’ molecular switch for selective detection of Al³⁺: Experimental and theoretical studies along with application in living cell imaging

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Novel Hg(II) Complexes Supported by Anionic N-heterocyclic Carbene Ligands: Synthesis and Structural Studies

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Bronsted-Acid-Mediated Divergent Reactions of Betti Bases with Indoles: An Approach to Chromeno[2,3-b]indoles through Intramolecular Dehydrogenative C2-Alkoxylation of Indole

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Anti-leishmanial Activity of New Homoleptic Dithioester Complexes of Ni(II) and Pd(II)

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Layered Supramolecular Architectures Of Cu (Ii) and Ni(Ii) Involving Phenanthroline and Dicarboxylato Ligands

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Synthesis And Antimicrobial Evaluation Of Alkyl 1-Cycloalkyl/Aryl-1h-Tetrazole-5-Carboxylate

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Effective Removal of Azo-Dye Orange G from Aqueous Solution by Amine – Functionalised Mesoporous Silica

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Synthesis Of Ketones, α -Bromoketones And 1-Bromoalkynes Via Oxidative Functionalization Of Alkynes Using TsNBr₂

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Conformational And Pseudo Polymorphs In Gefitinib: A Comparative Study

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Bio-based Carbon Dot Modified Novel Biodegradable High Performing Waterborne Hyperbranched Polyester Thermosetting Nanocomposite

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An atom efficient one pot synthesis of Betti bases catalysed by pyridinium ionic liquid

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A Flexible Total Synthesis of (±)-Allocolchicine and its Analogues

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A Density Functional Theory study on the Interaction of N-Heterocyclic Carbenes with Tetravalent Silicon Reagents

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Active Tin Mediated Selective Propargylation of Aldehyde in Water at Ambient Temperature.

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Unique cation-cyclohexane interactions in tri- and hexa-fluorocyclohexane multidecker complexes in gas phase: A DFT study

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Titanium Incorporated MCM-48 as Heterogeneous Catalyst for Oxidation of Aniline to Azoxybenzene

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Isonicotinic acid Functionalised Organomodified Silica as Heterogeneous Catalyst for Acylation Reactions

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BIGINELLI-BASED ORGANIC NANOPARTICLE PROBE FOR THE ESTIMATION OF LITHIUM (I) IONS IN ENVIRONMENTAL SAMPLES

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Highly Stretchable, Self-healing, Conducting, Multi-adhesive and Antimicrobial Ionogels Based on Gelatin

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Inhibition Of Calcineurin Function By Vanadium (V) And Niobium (V) Compounds

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Development of Novel Synthetic Strategies for N- Heterocycles and their Biological Activities

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A Noble Metal Free Approach in Integrating G-C₃N₄ and MoS₂ on Cd_{0.5}Zn_{0.5}S as an Efficient System for Enhanced Photocatalytic Activity

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Synthesis, characterization and Glutathione Peroxidase like activity of the Selenium analog of Trypanothione and its derivatives

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Synthesis, Characterization And Catalytic Activity Of Palladium Nanoparticles Supported On Layered Double Hydroxides

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Pretreatment of Lignocellulosic Biomass in Ionic Liquid for Biomass Fractionation

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Wet air oxidation of 4-chlorophenol over oxides of Fe(III), Mn(IV) and Ti(IV)

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Detoxification of Methylmercury: An Highly Neurotoxic Environmental Contaminant

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Structural Transitions and Self-assembly of Bovine Serum Albumin in Aqueous Solutions of Ionic Liquid Surfactants

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Supramolecular Ensemble of PBI Derivative and Metal NPs: Potential Catalysts for Degradation of Organic Dyes and Suzuki /Suzuki type Coupling Reactions

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Enantio- and Diastereoselective Synthesis of Bridged Polycyclic Benzosultams

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Densities And Speeds Of Sound Of Antibiotic Drug Chloramphenicol With L-Leucine And Glycyl-L-Leucine In Aqueous Medium At T=(288.15–318.15) K: A Volumetric, Ultrasonic, And Uv Absorption Study

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Effect of Increase in hydrophobicity of montmorillonite on Cu(II) adsorption from aqueous medium

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Tuning the Electrocatalytic Activity of Composition-Dependent Mesoporous PdCo Nanoparticles

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Ce³⁺ ion sensitized YPO₄:Tb³⁺ nanophosphor as Vitamin-C detector

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Synthesis of Novel Calix[4]arene-based Rhodamine Derivative; Application as Fluorescent NADH Sensor in Aqueous Medium

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Interionic Interactions of Imidazolium Based Ionic Liquid 1-Methyl-3-Pentylimidazolium Bromide with Amino Acids at Different Temperatures

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Selectivity in biphenyl methane over Ti-exchanged montmorillonite K10 clay

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Studies Towards Arginine Catalyzed Aldol Reaction Of Methyl Vinyl Ketone In Water

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Annealing effect on the luminescence properties of YPO₄:Sm³⁺ phosphor on co-doping Li⁺ ions

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Nitric Oxide Reactivity of Cu(II) Complex of Imidazole Based Ligand: Aromatic C-Nitrosation and Formation of N-Nitrosohydroxylaminato Complex

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A Comparative Study Of The Catalytic Activity Of PVP-Stabilized Ag, Ru And Ag-Ru Bimetallic Nanoparticles

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Graphene-MoO₃ nanospindles as bifunctional agent for water purification

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Biopolyester From Castor Oil: Synthesis, Characterization and its use as Biolubricants

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Micellization and Adsorption of Triton X-100 In Aqueous Systems– Effect Of Additives

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One Pot Synthesis of 1H-Naphtho[2,1-b]pyran Derivatives under Solvent-free Conditions

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Design and Synthesis of Some Cyclic Carbohydrates With Ciprofloxacin/Norflaxacin as Surface Moiety. A Study of Sustained Release of Drugs

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Negative Differential Resistance Behavior In Ferritin Proteins

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Magnesium Porphyrin Chain Controls Energy Dissipation In The Presence Of Lipids

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Synthesis Of Dendrimer With Carbazole On Surface With Enone Core Unit Through Click Chemistry

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Bioactive secondary metabolites from the roots of *Potentilla fulgens* L.

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Variable coordination and C-S bond cleavage activity of N-substituted imidazolidine-2-thiones towards copper: synthesis, spectroscopy, structures, ESI-mass and antimicrobial studies†

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Ligand-free palladium catalyzed facile construction of tetra cyclic dibenzo[b,h][1,6]naphthyridine derivatives: Domino sequence of intramolecular C-H bond arylation and oxidation reactions

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Synthesis, Photophysical and Electrochemical properties of C₂/C₃ symmetric bis/tris benzo[k]fluoranthenes, Pyrene and Perylene Scaffolds

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Effect of hydroxyl alkyl amines on the solubility behavior of calcium sulfate dihydrate (gypsum) in the aqueous sodium chloride system and physicochemical solution properties at 35°C

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Green Protocol for the Synthesis of Bis(indolyl)methane Derivatives using Ionic Liquid [MSPIM][MeSO₃] as Catalyst

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Sorptive Removal of Textile Dye Reactive Blue 19 onto Indian Organoclays

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Synthesis of bipolymeric nanoparticles and applications in molecular imprinting technology

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Electrochemical-MIP Sensor For Aspartame Based On Chitosan Nanoparticle-RGO Composite

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Energy harvesting from food waste: Application of nanofluidic membranes fabricated by re-assembling soil components

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One-Pot Three -Component Synthesis Of Pyrido [2, 3- d] pyrimidines Using A Novel Catalyst Derived From Water Hyacinth

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Dual fluorescent “on-off” and colorimetric sensor for Copper (II) based on Schiff base derived from benzil and 1-naphthylamine

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Synthesis of Benzoxazole and Benzothiazole using Ethyl 2-Cyano-2 (2-nitrobenzenesulfonyloxyimino) acetate (o-NosylOXY) both in Solution and Solid phase

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Water Soluble Bis-N-heterocyclic Carbene Ligands and their Metal Complexes: Synthesis and Characterization

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Clusters protected with mixed proteins exhibiting intense photoluminescence

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Hydrophobic supramolecular assemblies with Keggin anions and ε-caprolactam

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Study On The Variation Of Groundwater Contamination Levels In The Urban And Rural Regions Of Kamrup District, Assam.

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Bimetallic Ni-Pd Alloy Nanoparticles: An Efficient Nanoparticles Catalyst for the Oxidative Upgradation of Biomass-derived Furans

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Synthesis, characterization and evaluation of Montmorillonite-K10 based modified composite of guanidinium halometallate ionic liquids (ILs) as photo degradation catalyst

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Synthesis of New Acylhydrazone Based Fluorescent Receptors for Fluoride Ion Detection

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Interaction of Serum Albumin With Structurally Different Gemini Surfactant And Nonionic Polymeric Surfactant

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Metal Free Intramolecular Carbonylation of Arenes via Radical Cross-Dehydrogenative Coupling: Synthesis of Indenoquinolinones, 4-Azafluorenones and Fluorenones

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A Highly Efficient , Metal Free Protocol for Aminofunctionalization of Olefins Using TSNBr₂.

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Palladium(II) Complex of Sulfurated N-Heterocyclic Carbene in Designing Efficient and Magnetically Recoverable Catalyst for Suzuki-Miyaura Coupling

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Host-Guest Inclusion Complex of a Nerve Stimulus Drug with Cucurbit[6]uril in Saline Water Environment

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Acetylferrocene and p-phenylenediamine diamine based Schiff base as voltammetric and electrochemical impedance spectroscopic sensor for Al³⁺ and Pb²⁺

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Selective Detection of Picric Acid among Nitro-Aromatics with Rhodamine Based Probes: The pKa Driven Colorimetric Signaling

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K₂CO₃ Catalyzed Regioselective Synthesis of Thieno[2,3-b]thiochromen-4-one Oximes as a Valuable Synthon: Facile Route to the Corresponding Amine and Nitroso Derivatives

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Crystal structure landscape of Ethenzamide: their physicochemical property study

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Steric environment triggered self healing Cu^{II}/Hg^{II} bimetallic gel using old Cu^{II}-Schiff base complex as new Metalloligand

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Lewis Acid Catalyzed [3 + 3]-Annulation of Donor-Acceptor Cyclopropanes With Γ -Hydroxyenones: Access To Highly Functionalized Tetrahydropyrans

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Oil-field formation water : Treatment by Combination of Advanced Oxidation and Biological Flocculation Process

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Synthesis and Characterization of Graphitic Carbon Nitride and Study of its Luminescence Properties

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Ion-Selective Sensor Based On Liquid Crystal

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Preparation, Characterization and Application of ZnS Quantum Dots Using Zinc based Ionic Liquids

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A Simpler Approach for Synthesis of Regioregular Poly(3 Hexyl Thiophene) via Externally Generated Initiators

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Study On Solution Behaviour Of Some Oxalate Salts In Aqueous Vitamin Solutions

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Highly Selective Phosphate Ion Targeted Colorimetric and Fluorescent Probe and its Use to Monitor Phosphate Ion in Blood Cell

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Stimuli Responsive Amphiphilic Foldamers for Active and Passive Self-assembly

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Dual-Sensitized Eu(III) And Tb(III) Complexes: Photophysical Aspects And Biological Applications

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Phytochemical Studies And Ft-IR Analysis Of Some Selected Medicinal Plants Of Manipur

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Antibacterial Activities Of Thiol Capped Silver Nanoparticles Against Gram-Positive And Gram-Negative Bacteria

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Metal Free Diamination Of Olefins Employing N,N-Dibromo-P-Tolunesulfonamide

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A One Pot, Two Step Synthesis of 5-Arylpyrrolo[2,3-d]pyrimidines from Aminopyrimidine and Nitrostyrenes in Alkaline Medium

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Selective Recognition Of Glycine By Cu²⁺ Complex Of Calix[4]Arene-Trizole Conjugate

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Novel Carbazole Based Chemodosimeter for the Selective Detection of CN⁻

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Efficient Use of Mesoporous Silica in the Remediation of Aquatic Environment Contaminated with Cu(II)

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Design and Synthesis of Novel AIEE Based Conjugated Polymer for “Receptor Free” Sensing of Picric Acid

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Synthesis Of Highly Functionalised Indenofurans Via I₂ And DmsO Mediated Intramolecular Cyclization Process

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Saw Dust As A Household Adsorption Medium For Removal Of Fe(III) From Water

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Hypervalent Iodine Assisted C-O Bond Formation via Sequential Acylation And Deacylation Process: A Novel Method For The Synthesis Of N-Benzoxazol-2-yl-Amides And Its Mechanistic Study By Density Functional Theory (DFT)

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Iodine-Alumina (I₂-Al₂O₃) Assisted C-S Bond Formation For The Synthesis Of 2-(N-Arylamino Benzothiazoles) Under Solvent Free-Conditions And Its Biological Study

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Remediation Of Trivalent Arsenic By Batch Adsorption Process: Kinetics And Isotherm Study

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Artificial Protease Activity And Binding Of Two Cerium (III) Complexes With Hen Egg White Lysozyme

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Surface Functionalized Activated Carbon for Selective Adsorption of Cationic Dyes

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Triflic Acid Catalyzed Synthesis of Fluorescent Active Benzo[a]fluorenone and Benzo[a]fluorene Derivatives under Metal-free Conditions

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Copolymerization of Ethylene and Butyl methacrylate By RAFT Miniemulsion Polymerization And Their Thermal Properties

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An Insitu Formed Green And Recyclable Gallic Acid Derived Palladium(0) Nanaoparticles for Sonogashira Cross-Coupling

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Stable Gas Phase Unprotected Clusters of Noble Metals in Air from Protected Clusters in Solution

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Synthesis and Biological Studies on Dendrimers With Diphenyl Amine As Surface Group

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Synthesis And Evaluation Of A New High Relaxivity Gd(III) Complex As T₁/T₂ Dual-Mode MRI Contrast Agent

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Single molecule magnet behaviour with slow magnetic relaxation in a Cu(II)-Eu(III) heterodinuclear complex

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Modulation of Coordination Environment: A Convenient Approach to Tailor Magnetic Anisotropy in Seven Coordinate Mn(II), Co(II) and Ni(II) Complexes

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Pd^{II}/Ag^I Catalyzed Room Temperature Reaction Of γ -Hydroxy Lactams: Mechanism And Scope

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Synthesis, Spectroscopy, X-ray Crystallography And Antimicrobial Activities Of New Copper(II) Complexes With Thiosemicarbazone ligands

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Transition-Metal-Free Nucleophilic C_{sp2}-C_{sp3} bond cleavage of α -nitro ketone: A mechanistic investigation for Esters and Amides synthesis

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An Alternative Basic Catalytic System for Regioselective Synthesis of 1,4-disubstituted-1H-1,2,3-triazoles Using Azide-Alkyne Cycloaddition Reaction in Water

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Biochemical Activity of Thiosemicarbazones: Antimicrobial Activity of Complexes of Copper(II) with Pyridine-based-N-Substituted Thiosemicarbazones

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Molecular Approach To Control The Dye Aggregation in Dye Sensitized Solar Cells

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Amorphous Mixed Metal Hydroxide of Co and La as an excellent new co-catalyst for photoelectrochemical oxygen evolution reaction.

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Physicochemical Properties of Some Cationic Surfactants in Deep Eutectic Solvents

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Synthesis, Characterization and antibacterial activities of a Cu Schiff Base complex

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Inherently Fluorescent and Thermally Stable Microemulsions Using Dialkyl Imidazolium based Ionic liquids as Surfactant Phase

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Alkyd Resin from Waste Palmolein Oil

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Studies Towards The Asymmetric Total Synthesis of Austrodoral

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Synthesis Of Fused Oxazole-Containing Coumarin Derivatives Via Oxidative Cross Coupling Reaction Using A Combination Of CuCl₂ And Tbhpa

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Comprehensive Evaluation of Biomolecular Interactions between Protein and Amino Acid Based-Ionic Liquids: A Comparable Study between [Bmim][Br] and [Bmim][Gly] Ionic Liquids

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Organocatalytic Assymmetric Michael-Hemiacetalization Reaction Of 2-Hydroxyacetophenones: A Route To Chiral β , γ -Disubstituted γ -Butyrolactones

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Cu-CoFe₂O₄ Composite Nanoparticle As Magnetically Recoverable Catalyst For Chan-Lam Amination

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Subsistence of Inclusion Complex via Assembly of a Drug into Cyclic Oligosaccharide: Its Formation, Mechanism, Behaviour and Importance

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Day And Night Time Profile of Size Segregated Atmospheric Aerosol During Winter At Eastern Central, India

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Ceria-vanadia loaded hierarchical ZSM-5 zeolite: An efficient catalyst for oxidation of ethylbenzene by TBHP under solvent free condition

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Synthesis and structural characterization of Vanadium and Niobium oxo-metallates with potential catalytic and biomedical applications

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**Design, synthesis and DSSC performance of o-fluorine substituted phenylene spacer sensitizers:
effect of TiO₂ thickness variation**

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**Rational design of hierarchical ZnO superstructures for efficient charge transfer: mechanistic
and photovoltaic studies of hollow, mesoporous, cage-like nanostructures with compacted 1D
building blocks**

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**Gelatin Solubility And Processing In Neat Ionic Liquids: An Approach Towards Waste To
Utilization**

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**Self-Assembled 1-Arylbenzimidazolium Based Functional Materials As Fluorogenic Probes For
Detection Of Serum Albumins In Biofluids**

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**An Architecturally Modified Hierarchical Zsm-5 Zeolite With Superior Catalytic Activity For
Acetalization Of Cyclohexanone**

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Synthesis and Characterization of Poly (n-icosyl methacrylate) and their uses as Stabilizer in the Preparation of Polyester Particles

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Adsorptive separation of DL-Alanine from aqueous solutions onto Condensation Product of Glutaraldehyde

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Evaluation Of Anticancer And Antimicrobial Activity Of Arborinine From Glycosmis pentaphylla.

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Yellow Oleander Methyl Ester (YOME) - As Lubricity Additive In High Speed Diesel Fuel

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Synthesis of Gold Nanoparticles on Amine Functionalized MIL-101(Cr): Characterization and Catalytic Activity towards Epoxidation of Styrene

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Enantioselective Henry reaction by Chiral Ni-Schiff base complexes inside Zeolite-Y under microwave treatment

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Fischer Esterification Reaction Over Green And Efficient Solid Acid Catalyst Synthesized From Fly Ash

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Synthesis of Symmetrical Thioether using Six-member Palladacycle as a Precatalyst

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Theoretical Investigation on H-abstraction from 1, 1-Dichlorodimethylether (DCDME) Initiated by NO₃ Radical and Fate of Alkoxy Radical at 298 K

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Biosurfactant Assisted Fluorescent Noble Metal Nanoclusters And Silicon Quantum Dots: In Vivo Toxicity And Imaging In Zebrafish Embryos

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Mixed - ligand Cu(II) And Mn(II) Complexes: Synthesis, Spectral Characterization, DNA Interaction And Antimicrobial Activities

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An Efficient Synthesis Of 1,2,3-Triazoles Directly From Aldehyde

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Chemical Mathematics Behind An Eccentric Pair Of Frontier Functions

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β -Hexaalkylporphycenes: Positional Effect Of Alkyl Groups Towards Design And Control Of Structural And Photophysical Properties In Isomeric Hexaethylporphycenes

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Aza-BODIPY Dyes: Synthesis and Optical Studies

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Schiff's base as green corrosion inhibitors for mild steel in 1 M HCl solution: Experimental and DFT approach

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Preparation And Development Of Hydrogels Of Chitosan, Gelatin And Their Blend As a Template For Entrapment Of Rhodamine B Dye In Presence And Absence Of a Surfactant

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Selective Recognition Of Zn²⁺ Ion Using 2,4-Bis(2-Pyridyl)-5-(4-Pyridyl)Imidazol: Spectra And Molecular Structure

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Synthetic Self-Assembling Peptide-Based Hydrogels: From Waste-Water Management To Aggregation Induced Fluorescent Materials

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Hydrolysis Of Mono-2,3-dichloroaniline Phosphate Via Conjugate Acid Species

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Facile Synthesis of Some Chlorinated and Heteroatom-Rich Monocyclic β -Lactams via Staudinger Reaction of Acyclic S-Alkylisothioureas

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Syntheses, Spectral Characterizations, X-ray crystallography and Biological Activities Of Some Transition Metal Ion Complexes Of Pyrazole / Pyrimidine Containing Schiff Base Ligand

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Synthesis, Characterization and Antimicrobial Activity of Mn(II), Co(II), Ni(II), Cu(II), and Cd(II) Complexes of 2,3-Butanedione semicarbazone

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Natural sugar surfactant capped gold nano-particles: Aggregation, green synthesis and effect of cetyltrimethylammonium on the morphology

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A High Surface Area Co₃O₄ Nanostructure as Sorbent Material for Wastewater Treatment

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A Comparative Study For The Synthesis of 5-aryazo-8-hydroxyquinolines and 3-aryazo-4-hydroxycoumarins Using Pyridinium Based Ionic Liquid and Solid Supported Diazonium Ions

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Conformational Switching In α , α ^{2,3}-Hybrid Peptides

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**Facile Chemoselective Carbonyl Allylation Of Chalcones With Allyltributylstannane Catalyzed
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**Microwave-promoted synthesis of multi-substituted pyridine through aza Diels–Alder reaction
strategy**

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Selective Recognition of G-Quadruplexes by Dimeric Carbocyanine Dyes

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Rapid-Synthesis Of Diarylmethyl Thioethers From Benzhydryl Alcohols

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Synthesis Of Some Copper And Iron-Azo Complexes Of Acetylacetone And Ethyl Acetoacetate

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Enhancement of Solubilization and Stability of Hydrophobic Drug Clozapine in Pluronic Micelles by Biosurfactant Sodium Deoxycholate

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Iodine/tert-Butyl Hydroperoxide-Mediated Reaction of Indoles with Dimethylformamide/Dimethylacetamide to Synthesize Bis- and Tris(indolyl)methanes

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Ru(II)-Catalyzed C-H/N-H Activation And Annulation Reaction Of Benzamidines And Alkynes Generates Aminoisoquinolines That Exhibit Cytotoxicity Against Human Cancer Cells

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Collective experimental and simulation approach to elucidate osmolytes control over PNIPAM aggregation

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Stable and Saturated White Electroluminescence from Linear Single Polymer Systems based on Polyfluorene and Mono-Substituted Dibenzofulvene Derivatives.

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pHmetric Studies of Mn(II), Co(II), Ni(II) and Zn(II) Complexes of 4-methoxybenzylidene L-Tyrosine Hydrazone

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Copper-catalyzed regioselective ring opening of aziridines/aerobic oxidative C-H amination: a facile route to imidazobenzimidazoles

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Single Walled Carbon Nanotubes Modified With Vanadyl Pthalocyanine And Its Electrochemical Application

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Theoretical Investigation On The Interaction Of CO₂ With Small (SnO₂)_n n=2-4 Nanoclusters

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Excited State Intramolecular Proton Transfer (ESIPT) Inspired Motiffs

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Selective Colorimetric Fluorescence Sensor For Al³⁺ In DMSO System By p-Phenylenediamine And Salicylaldehyde Schiff Bas Ligand.

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Traditional Alcoholic Beverages of Assam, India: Health Benefits and Economic Prospects

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Poly(n-octadecyl methacrylate) by Reverse ATRP and the formation of PCL Microparticles

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A Solvent and Metal-Free Synthesis of 3-Sulfenyl-Indoles Employing DMSO as an Oxidant and TBATB/MCM-48 as a selective Heterogeneous Catalyst

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Silica Supported Heterogeneous Catalysts For Carrying Out C-C, C-N, C-O Bond Formation Reactions

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Conversion of Diastereomeric Garcinia and Hibiscus acids to Chiral Intermediates via Controlled Reduction Mediated by Boron Reagents

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Long-Range Electron Transfer Triggers Mechanistic Differences between Iron(IV)-Oxo and Iron(IV)-Imido Oxidants

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Generalized Colloidal Synthetic Strategies for Metal Nitride Nanoparticles in Absence of External Surfactant/Structure Directing Agent

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Template-Free Self-Assembly of Dimeric Dicarboxyanine Dyes

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Nitrogen-Rich Heterocyclic Compounds Based on Substituted Pentaazole Chemistry: A Prospective Study

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Aggregates of Hetero-oligophenylene Derivative for the Generation of Metal Nanoparticles: Potential Catalyst in Sonogashira Coupling

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Synthesis of tetrathiafulvalene capped palladium nanoparticles and its application for drug sensing

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Simple Way Of Preparation Of Natural Antiseptic Cream And Comparison Of Its Antimicrobial Activity With Commercially Available Antiseptic Cream

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Selective interactions of 5-(hydroxyimino)quinolin-8-one with tetrabutyl ammonium fluoride and zinc(II) ions

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Ferrocene Derivatives on Graphite Surface: Microscopic Structural Investigation

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Ferrocene based Push-Pull NLO active materials

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Mn/Co/Ti LDH as highly efficient photocatalyst for visible light degradation of aqueous Rhodamine B

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Colorimetric Detection Of Hg(II) Ions Using Cobalt Sulphide-Reduced Porous Graphene Oxide Nanocomposite

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Removal of methylene blue dye using eucalyptus leaves from aqueous solution.

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A Metal Free Reduction Of Aryl-N-Nitrosamines To The Corresponding Hydrazines Using A Sustainable Reductant Thiourea Dioxide

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Investigation Of Structure-Property Relationship In Aroylhydrazone Based Discotic Mesogens

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Extraction, purification and spectroscopic characterization of Ferulic acid by alkaline hydrolysis from brans of Assam, India

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Dihydrogenphosphate Recognition: Assistance from the Acidic OH Moiety of the Anion

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Open-Close-Close: A Protecting Group- and Transition Metal-Free Strategy for the Synthesis of Chroman-Fused 1,4-Benzodioxanes Using Epoxide Building Blocks

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A Cation Ensembled Fluorescent Organic Nanoparticle Based On Rhodamine Derivative For The Determination Of Organophosphorous Insecticides

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Transport and Scaling Properties of Liquid Metals Through Their Microscopic Structural Studies

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Post Monsoon Spatial Distribution Of Uranium In Drinking Water Of Nalbari District Of Assam

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Synthesis, crystal growth, thermal, structural and optical properties of novel organic molecular complex formed from 4-Dimethylaminopyridine and 3-Nitrobenzoic acid

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Microwave-Assisted Synthesis of 3-Sulfenylindoles by Sulfonyl Hydrazides using Organic Ionic Base-Brønsted Acid

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Synthesis of biolubricant from palm oil by enzymatic Epoxidation

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Cations make the difference: Overview Biophysical Study of the effect of the imidazolium ILs on the phase behaviour of poly (N-isopropylacrylamide)

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Inserting non-conjugating ester group into side chain of benzothiadiazole improves optical, electrochemical, crystallinity and photo stability of D-A polymer for photovoltaics

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Aerobic Dioxygenation of Alkenes with N-Hydroxyphthalimide (NHPI) and N-Hydroxybenzotriazole (HOBt)

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Interface Modification by Simple Organic Salts Improves Performance of Planar Perovskite Solar Cells

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Synthesis and Characterization of Ionic liquid based surfactant system in diverse environments

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Multifunctionalized Microporous Polymeric Network: An Efficient Tool for Removal of Toxicants

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Renewable Resource-Modified Aliphatic Hyperbranched Polyurethane As Biodegradable UV-Resistant Smart Material

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Lewis Acid based Side Chain Modification of Aspartic Acid and Glutamic Acid during Solid Phase Peptide Synthesis

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A novel phenolic Schiff- base derivative for colorimetric Sensing of fluoride ion

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Electrochemical Dealloying Of PdCu₃ Nanoparticles To Achieve Pt-Like Activity For The Hydrogen Evolution Reaction

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Aggregation Behaviour of Anionic Surfactants in Presence of Cationic Drug: A Multitechnique Approach

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Kinetics and physio-chemical changes in metal cholate gelation

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Structural Transitions: Micelles-Vesicles-Micelles in the Mixed System of Ionic Liquid–Diclofenac Sodium

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Tuning Of Structural And Electronic Properties Of Novel Thiophene-Pyrrole Based 1, 2, 3, 4-Tetrazine

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Two-Step Synthesis of Benzoxazepinoisoquinoline Derivatives via A³-Coupling and Pictet-Spengler Reaction

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Synthesis, Characterisation, And Property Studies Of Newly Synthesized Co(II), Ni(II), Cu(II) And Zn(II) Schiff Base Metal Complexes

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Quantification Of Cationic Surfactants In Municipal Waste Waters Using Modified Gold Nanoparticles As DRS-FTIR Probes

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Removal Of Hg²⁺ Ion By Using Modified Amberlite Ira-400(Cl)

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Developing a Unique Reactivity of N-Heterocyclic Carbene (NHC)–Metal Template in C–H Activation-Annulation Catalysis

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An acetylcholinesterase based electrochemical biosensor modified with carbon based structures for determination of organophosphorus pesticides

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Targeting ATR Kinase To Improve DNA Damaging Therapies In Cancer Treatment

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Multi-Walled Carbon Nanotubes Functionalized With a Heteronuclear Bimetallic Schiff- Base Complex: Synthesis, Magnetic Behavior and Spectral Studies

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Gold (III) Chloride And Phenyl Acetylene Assisted Glycosylations Of 1-O-Acetyl Sugars And Glycosyl Trichloroacetimidates

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Host-Guest OLEDs based on Perylene based Room Temperature Columnar Liquid Crystals

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Crab Shell As Heterogenous Catalyst For The Production Of Biodiesel From Non Edible Karanja Oil

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Functionalization Of Supramolecular Coordination Complexes (SCCS) Via Postsynthetic Modification

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Study on the Molecular Interaction between Carbon dots and Serum Albumins

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A Nano-organo catalyzed route towards the efficient synthesis of benzo[b]pyran derivatives under Ultrasonic irradiation.

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Catechol Encapsulated Surfactant Film Modified Glassy Carbon Electrode For Determination Of Thiourea In 10^{-8} Molar Range And Distinguishing Thiourea From Urea

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Role of $\text{Fe}_2\text{O}_3@ \text{SiO}_2@ \text{VitB}_1$ -Nanoparticles in the Synthesis of Oxygen and Nitrogen Spiro Heterocycles

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Prospective rapid self-expandable stent from carbon dot-silver modified high performing hyperbranched nanocomposite.

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Pd-catalyzed facile synthesis of cyclopenta[b]-quinolin-1-one via sequential Sonogashira coupling and annulation. An unusual mode of ring closure, using sulphur as a soft nucleophile.

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Kinetic Studies On The Oxovanadium (Iv) Catalysed And Oxovanadium(Iv) Metallosurfactant Catalyzed Oxidation Of Lactic Acid By Permanganate In Acidic Media

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Eucalyptus Leaf: A Powerful Bio-sorbent for Scavenging of Toxic Congo Red Dye

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Synthesis Of Aspidospermidine Via Organocascade Dienamine Reaction Sequence: A Novel Route For The Construction Of Polycyclic Indole Framework

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Supramolecular Gels by Design: Towards the Development of Topical Gels for Self-delivery Application

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NANO MnO₂ Dispersed Mesoporous Silica For Electrochemical Determination Of Isoniazid

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Velocity of Electrostatic Field within an Atom in Comparison with the Velocity of Electron Circulation

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The Degradation Of Nitro Aromatics By A Gadolinium (III) Complex

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Nanoscale On-Silico Electron Transport via Ferritins

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Reverse Atom Transfer Radical Copolymerization Of Ethylene And Butyl Methacrylate

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Supramolecular Copolymerization of Donor and Acceptor Chromophores

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Crystal Structure And Weak Supramolecular Interactions In A Few Coordination Solids Of Mn(II), Cu(II) And Zn(II) Involving Mono And Dicarboxylato Ligands

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Bipyridine-based Porous Coordination Polymers (PCPs) With Bactericidal Properties

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Diastereoselective Synthesis of Chroman-Fused Tetralins via Intramolecular Epoxide-Arene Cyclization

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A Room Temperature Protocol for Sonogashira Coupling Using a Palladium Based Complex

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Research Methodology at Undergraduate College Laboratories using Analytical Equipments

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Synthesis, Characterization And DNA Binding Studies On Hetero-nuclear Copper(II)-Rhodium(II) Complexes

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Synthesis, Characterization And Electrochemical Studies On Copper (II) Binuclear Complexes

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In Vivo Potential Antipsychotics: Synthesis, Characterization, Molecular Docking And Pharmacokinetic Properties Of Multitarget Ligands

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Methylene blue photocatalytic mineralization under visible irradiation on TiO₂-Kaolinite composite doped with nickel

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A thiazolidine carboxylic acid derivative chemosensor for the detection of Zn²⁺ ions: application in real samples

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Fabrication of Liquid Crystal based Optical Sensor for Detection of Mercuric Ions in Water: A Novel Approach

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Controlled Drug Delivery Of Isoniazid Mediated By Graphene A Molecular Dynamics Study

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Selective Carbon Dioxide Adsorption by The Azo Functionalized Mofs With Basic Pore Wall Sites

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Solvent Instructed Fine-tuning the Helicity and Nanostructure of a Self-assembled Peptide-Perylenediimide Conjugate: Nanorings to Helical Fibers

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pH Sensitive Behavior of Composite Hydrogels of Chitosan and Alginate: Characterization and its use in Encapsulation of Citral

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A Fluorescence “Turn-On” Chemosensor for Efficient and Selective Detection of Zinc(II): Application in Live Cell Imaging of Human Breast Cancer Cell Lines (MCF7)

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Arene ruthenium, Cp*Rh and Cp*Iroximato and oxime complexes: Synthesis, structural, DFT and biological studies

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Three-Dimensional (3d) Cnt-Graphene-Tio₂ Heterostructure As Broad Spectrum-Driven Efficient Water-Splitting Photocatalysts: With Insight Mechanism

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Aminofluorene Mediated Biomimetic Domino Amination–Oxygenation of Aldehydes to Amides

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Alkylated Rhodamine Hydrazone Based Probes For Selective Cu(II) Detection: Effect Of Alkyl Chain Length And Solvent Medium

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Solvent Organization Around the Perfluoro Group of Coumarin 153 Governs Its Photophysical and Solvation Properties: An Experimental and Simulation Study of Coumarin Dyes in Ethanol as well as Fluorinated Ethanol Solvents.

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Synthesis And Biological Evaluation Of Enantiopure Indolizinoindole, Pyrroloisoquinoline And Related Molecules Obtained From (2S,3R)- And (2S,3S)-Tetrahydro-3-Hydroxy-5-Oxo-2,3-Furandicarboxylic Acids.

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Biocatalytic Cascade Synthesis of vicinal diols: Bio-inspired Metabolic Pathway

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Ferrocene-Diketopyrrolopyrrole based “Push-Pull” entities- A new entry into Second-order NLO active chromophores

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An Aggregation-Induced Emission Based Fluorescent Ratiometric Sensor for the Selective Detection and Discrimination of Cd²⁺, Hg²⁺ and Zn²⁺

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Metal Free C-H Functionalization: Synthesis of Thio/Seleno Ethers and Esters

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Synthesis curcumin pyrazole analogs and its biological evaluation

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Inhibition and Modulation of Amyloid- β Using Polyfluorene-Chitosan composite

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Study on Interactions of Cationic Gemini Surfactants with Folded and Unfolded Bovine Serum Albumin: Effect of The Spacer Group of Surfactants

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Theoretical Investigation on Oxidation of Co Over Small Platinum Metal Clusters Pt_n (N=1-3)

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Synthesis and Catalytic Application of New Bis-(Pyrrolyl)pyridine based NNN-Pincer Palladium(II) Complexes

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Simultaneous Fixation of Atmospheric CO₂ by Ni^{II}-Complexes of Diazepane-Based Ligands

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Sulphur and Oxygen bridged [22]porphyrin(2.1.2.1)s. Second and third-order Nonlinear optical response

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Synthesis and Rheological Studies of Acrylamide based Hydrogels: A Non Conventional approach

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**Brightening quinolineimines by Al³⁺ and subsequent quenching by PPI/PA in aqueous medium:
Synthesis, Crystal structures, Binding behaviour and Theoretical studies†**

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Micellar Effect on The Hydrolysis Of Mono-3, 5-Dimethylaniline Phosphate

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Ion dynamics of Lanthanum doped calcium manganite Ca_{0.96}La_{0.04}Mn₇O₁₂ electroceramics

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Development of suitable catalyst for polymerization of terminal alkynes

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Statistical analysis of the process of Adsorption of Cr(VI) by γ -Alumina nanoparticles

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**Investigation of Arsenic Concentration in Water and Geological Samples of Ambargarh Chowki
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**Benign amino acid assisted designing of Polyaniline-Grafted N-Graphene for enhanced
Electrochemical Super-capacitors**

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**Fabrication of ZnO Nanostructures by a Biogenic Route And Their Applications
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**Self-aggregation Behavior of Dialkyl Imidazolium based Ionic Liquids in Aqueous Medium:
Effect of Alkyl Chain Length**

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**Hydroxylation of Phenol by Hydrogen Peroxide Catalysed by Mixed Ligand Copper(II)
Complexes and The Selectivity of Ortho Hydroxylation**

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A Solvent Free Route to Synthesize Polymer Composites via Vapor Phase Polymerization

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Efficient Synthesis of Pyrano[3,2-C]- And Pyrido[3,2-C]Coumarins Via Three-Component Reaction Catalysed By L-Proline

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Hollow Circular Compound-Based Inclusion Complexes of an Ionic Liquid

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Electrocatalytic Oxygen Evolution Reaction at Vanadium and Cerium Complex Modified Gold Electrodes

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Tuning Emission Wavelength By Varying Donor/Acceptor Units In Rod-Shaped Fluorenyl-Alkynyl Based π -Conjugated Oligomers And Its Binuclear Gold(I) Diacetylide Complexes

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Oxidative Decolourization Of Methylene Blue Using Natural And Modified Kaolinite

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2-Aminophenol and 2-Hydroxy-1 Naphthaldehyde Condensation Product: New Fluorescent Sensor For Al³⁺

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An easy Synthesis of Ultra High Molecular Weight Polymers using Solvent Water Suspension and Ultrasonic methods: Green Approaches

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Density Functional Calculations of EPR g-tensors in Cu(II) Complexes

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A Turn-On Solo Fluorogenic Probe for Real-time Differential Sensing of SO₃²⁻ and SO₄²⁻/HSO₄⁻ in Aqueous Medium and Live Cells

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Propargyl Bromide, A useful reagent for the synthesis of 2-Methyl Furan Fused Heterocycles

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Nitric Oxide Reactivity of a Manganese(II) Complex Leading to N-Nitrosation of the Ligand

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Asymmetric Synthesis of 3,3-Disubstituted dihydroquinolones by Organocatalytic Michael Addition Strategy

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Catalytic Properties of a Dinuclear Mn(II) Complex in the Epoxidation of Styrene

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Theoretical studies on the corrosion inhibition performance of quinazolinone and pyrimidinone molecules on mild steel in H₂SO₄ medium: density functional theory and molecular dynamic simulation approaches

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Existence of polar switching in the nematic and orthogonal smectic phases in four-ring bent-core compounds

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A Study of Peroxidase Activity by a Genetically Engineered Myoglobin Containing Unnatural Amino Acid

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Ferrocene-Polyoxometalate Hybrid Materials and Their Catalytic And Corrosion Inhibition Studies

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L-proline catalyzed domino Knöevenagel-Michael reaction in water for the regioselective synthesis of benzo[4,5]imidazo[1,2-a]pyrimidines and pyrido[2,3-d]pyrimidin-2-amines

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Encapsulation of Nicotinic Acid and Ascorbic Acid into the Cavity of β -Cyclodextrin: A Mechanistic Study towards Construction of Vitamin Regulator

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3-aminopropyltrimethoxysilane and Grapheme oxide/Reduced Grapheme oxide Induced Generation of Gold Nanoparticles and their Nanocomposites: Electrocatalytic and Kinetic Activity

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Study on Solvation Behavior of Some Bio-active Solutes in Aqueous Cyclic Ether Systems

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Metal And Oxidant Free α -C–H Functionalization Of Aliphatic N-Heterocycles : A Simple and Efficient Route To Fused Naphtho-Imidazoles

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Columnar self-assembly of luminescent star shaped and polycatenars: Structure property correlation

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Fabrication of SnO₂ nanoclusters @ mesoporous Sn(IV) organophosphonate composite and its application

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Magnetically Recyclable Biopolymer Stabilized Pd @ Iron Oxide Bimetallic Nanoparticle- An Efficient Catalyst For 'Greening Up' Of C-C Bond Functionalization

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Morphology Tuned Oxide Nanomaterials for Redox Capacitor Applications

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Synthetic studies towards total synthesis of Aminocyclitol Conduramine

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Water Purification Process By Using Natural Coagulants

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Electronic Modulation of Ru^{II}-NHC-based Hydrocarbon Oxidation Precatalysts

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New Pd-PEPPSI complexes: Synthesis, Characterization and Catalytic Applications

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Development of expandable graphene-oxide encapsulated polyaniline composites as sensing material for volatile organic compounds

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Modeling Anti-Tb Compounds With The Help Of Advanced Computational Technique

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Bu₄NI Catalyzed C-N Bond Formation via Cross-Dehydrogenative Coupling of Aryl Ethers (C_{sp³}-H) and Tetrazoles (N-H)

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Fluorescence properties of intramolecular charge transfer probe in different biomimetic environments

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Synthesis of 3,4,5,6,7,8-hexahydro-1-substituted phenyl isoquinoline and 3,4,5,6,7,8-hexahydro-1-substituted benzyl isoquinoline

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Highly effective Aminefunctionalized AIMCM-41 Catalyst for Henry Reaction

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Oxidative Dehydrogenation of Thiols to Disulfides at Room Temperature Using Silica Supported Iron Oxide: Efficiency of Solvent and Solvent Free Medium

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Attractive Aspects Of 1, 3-Disulfoimidazolium Chloronickellate Supported H₂sm-5 Composites: Tuned Catalysts For Visible Light Induced Fenton Type Degradation Of Methylene Blue

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Decoding the COT Island (?) Enlapped by Corrole Mainlands

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Synthesis of pyrimido[1,2-a]indole derivatives via C-H activation and functionalization
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Fe₃O₄@SiO₂/Carbon Dot Based Nanostructure For Fluorescence Sensing And Live Cell Imaging Of Fluoride Ion

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Quantitative Estimation Of Azo Dye ‘Carmoisine’ Based On Extraction With Modified Silver Nanoparticles And Diffuse Reflectance Fourier Transform Infrared Technique

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Trace Level Determination Of Perchlorate In Real Sample Using Ion-Pair Single-Drop Microextraction With Atr-Ftir Technique

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Synthesis Of Na_{0.44}MnO₂ Cathode Material For Na-Ion Battery: A Greener Approach

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Exploring The Effect Of Changing A Π -Bridge On The Efficiency Of A Perylene-Brazilein Based D- Π -D- Π -A Systems: A Theoretical Perspective

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Electrocatalytic Hydrogen Evolution and Oxidation Reactions on Palladium Nanoparticle-Graphitic Carbon Nitride Porous Composite Over Broad Range of pH

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Crystallization of Lindqvist Type Iso-polyanions with Anthracene Based Counter Cations: Salts or Coulombic co-crystals? Synthesis, Crystallography and Spectroscopy

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Cascade S_N2' - S_NAr , Elimination and an unusual 1,5-Hydride shift reactions by Acetylacetone/acetoacetic esters : Synthesis of 9, 10-dihydroacridines

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An Absorption Spectral Analysis Of 4f-4f Transition Of Pr(III) And Nd(III) With Fumaric And Maleic Acid in Trace of Ca^{2+} And Zn^{2+} In Aqueous And Non Aqueous Solvent

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Attempts On The Synthesis Of Meridianins Alkaloids And Their Analogues

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Luminescence of $\text{PbWO}_4:\text{Eu}^{3+}$ for white light applications

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Iron(II)-NHC-Carbene Complexes as Efficient Catalyst for Transfer Hydrogenation

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First-line anti-tuberculous drug: Pyrazinamide and its pharmaceutically relevant multicomponent molecular crystals

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Mitochondrial Selectivity and Remarkable Photocytotoxicity of Ferrocenyl Neodymium(III) Complexes of Curcumin and Terpyridine Bases

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Mimics Of Archaeal Membrane Components Using Hydroxylated Oxanorbornane Head Group

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**Design and Synthesis of a Bio-Active Fluorescent Probe Exerting
Selective Detection of Methanol**

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**Entrapment of Cyclic Fluoride-Water and Sulfate-Water-Sulfate Cluster: Positional Isomeric
Effect in Anion/Hydrated Anion Recognition of Neutral Bis-Urea Receptors**

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**Kinetic and Mechanistic Analysis of Ligand Substitution on $[\text{Ru}(\text{CN})_5\text{H}_2\text{O}]^{3-}$ in Micelle Medium
by Nitrogen Donor Heterocyclic Ligand**

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A Case Study Of Fluoride In Chirang District, Assam, India

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**Extremely Effective And Recyclable Heterogeneous Catalyst Barium Zirconate Synthesis For
Transesterification Of Waste Frying Oil**

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Synthesis, characterization, optical, electrochemical properties and antifungal, anticancer activities of ferrocenyl conjugated novel dendrimers

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Microwave assisted green synthesis of nano-poly(5-carboxy indole)

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Concentration Induced Aggregation Emission in Phenothiazine Based Terpyridine Ligands and Nanomolar Pyrophosphate Detection by Their Zn(II) Complexes Through AIE

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Synthesis Of few Drug Intermediates using 2-Hydroxycitric Acids

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Cs₂CO₃ as a Source of Carbonyl and Ethereal Oxygen in a Cu-Catalyzed Cascade Synthesis of Benzofuran [3,2-c] quinolin-6[5-H]ones

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4-methyl-2H,5H-pyrano based 2-hydroxy-4H-pyrido[1,2-a]pyrimidin-4-one fluorescent brightening agents– synthesis, photophysical properties and dyeing studies

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Primary Amide Directed Regioselective ortho-C–H-Arylation of (Aryl)Acetamides

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Copper(II)-Catalyzed Benzylic C(sp³)-H Aerobic Oxidation of (Hetero)Aryl Acetimidates: Synthesis of Aryl α -Ketoesters

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Aerobic oxidation of alcohols catalyzed by complexes of the type [Cu₂(RCO₂)₄L₂]

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Synthesis, Structure, Photophysical And Electrochemical Properties Of Arylene-Vinylene Functionalized Terpyridines And Its Ru(II) Metal-Organic Electrophore

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Bis-Naphthalimides Bridged by Electron Acceptors: Optical and Self-assembly Characteristics

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Synthesis of Liquid Crystalline Photoluminescent New Zinc (II) – Schiff base complex

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Inner Filter Effect Based Selective Detection of Nitroexplosive-Picric Acid in Aqueous Solution and Solid Support Using Conjugated Polymer

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Rapid room temperature synthesis of short thiol capped self-assembled noble metal nanoclusters and their incorporation in bile salt hydrogels

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A green synthesis of graphene quantum dots

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Synthesis of a new Photoluminescent Compartmental ‘Salen’ Type Schiff base Ligand and its Dinuclear Oxidovanadium(V) complex

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New approach for the pressure derivative of diffusion coefficient and the determination of Gruneisen constant in liquid metals

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A highly selective fluorescence enhancement towards Al³⁺ in pure aqueous medium by quinoline based schiff base with cell imaging

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Spatial variation of VOCs, benzene and benzo-a-pyrene in the ambient air around Numaligarh Refinery, Assam

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Synthesis of Annulated Arenes and Heteroarens via Pd-mediated Domino reactions: Synthetic Utility of Sulfonyl Stabilised Carbanion

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Catalyst And Solvent Free Synthesis Of Biobased Waterborne Hyperbranched Poly(Ester Amide) As A Sustainable Material

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A Simple and Easy Tool for Estimation of pH of Solutions

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Fabrication Of Dye Sensitized Solar Cells (Dssc) Using Some Local Dyes: A Novice in- House Attempt

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A chromo-fluorescent sensor for detection of Cu²⁺ ions and its copper complex for colorimetric/fluorescent sensing of CN⁻ ions in aqueous solution

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Binding Profile of Pharmaceutically Important Isoquinoline Alkaloids

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Electrocatalytic Determination Of Acetaminophen By Nickel-Hexacyanoferrate

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Formulation and Evaluation of a Pectin Based Controlled Drug Delivery System containing Metronidazole

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A green pH-switchable amino acid based smart wormlike micellar system for efficient and controlled drug delivery.

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Iron (III) Chloride Catalyzed *N*-Arylation Of Nitrogen Nucleophiles With Arylboronic Acids: An Iron Age In Chan-Lam Coupling

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Aggregation Induced Emission Enhancement And Growth Of Naphthalimide Nanoribbons Via J-Aggregation: Insight Into Disaggregation Induced Unfolding And Detection Of Ferritin At Nanomolar Level

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Flavonoid-Surfactant Interactions: A Detailed Physicochemical Study

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Structural, electronic and magnetic properties of gold-rhodium bimetallic clusters: A Density functional theory study

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Synthesis of New Mixed fluoro Complexes of Cadmium(II) incorporating aminoacid as coligands

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A sole multi-analyte fluorogenic probe for specific recognition of Zn²⁺ and Cd²⁺ and subsequent detection of inorganic phosphates (P_i)

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Functionalization Strategy towards the Development of Metal-Organic Framework Materials for Fluorescence Sensing Applications

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Density functional theory study of structural and electronic properties of rhodium cluster adsorbed single wall carbon nano tube

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α -Cyanostilbenes-Promising candidates for second-order NLO and biological sensing

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Consequence of Halide and Oxyanion Size on Capsular/non-capsular Assembly Formation of Positional Isomeric Tripodal Polyamine Receptors

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Microwave assisted, facile synthesis of trisubstituted alkenes via Knoevenagel condensation in presence of indium(III) triflate as the catalyst under solvent free conditions

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Tetrasilic Mica Nanocomposite Coated Transparent Biaxially Oriented Polyester Film

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