
9657-9658 Topics: 2023-2024

Efficient Copper-Catalyzed Multicomponent Synthesis of N-Acyl Amidines via Acyl Nitrene

The Potential of Copper Mediated Nucleophilic Radiofluorination in Labeling Complex Medicinally Relevant Molecules

Enhanced annihilation electrochemiluminescence by nanofluidic confinement

Ligand Enabled Ethylene Dimerization and Oligomerization with Nickel Complexes Bearing ^RPBP Pincer Ligands

Identification and properties of novel gold nanoclusters for potential electrocatalytic applications

P₂N₂ Ligands for Organic Transformations

Carbon Dots for Anti-Counterfeiting Applications

Selective Deposition of N-Heterocyclic Carbene Monolayers on Designated Au Microelectrodes within an Electrode Array

Nitric oxide: A promising strategy for healthcare-related infection and biofilm eradication

Light Work: LtO(e)5O(e)5i

-fotaTc 0 Tw 19674 0Td(-)Tj-0001 FfD501 Tc 1228 0Tj(b)79 0Pmfsnsxarb-L9T0 th sd5c 0 Tw (-7Td(O)-2MC /P AMCID 29 BD30

Quantum Dots: Complex Core-Shell

Two-26 -1l T0 Tc 9902 0 Td(-)Tj-0001 Tc 0003 Tw 0304 0 Td(io)43 (n)22 (ic)-2 (H)24 (y)-45 (b)22 (rid)23 (L)-49 (e)79 (ad)23 (H)24 (a

Targeting Cancer Cells and their organelles with Specific DNA and Protein Sequences
Preparation of Highly Reactive Lithium Metal Dendrites for the Synthesis of Organolithium Reagents
Ryugu: How Isotope Analyses of Asteroids Provide Insight into the History of our Solar System
Covalent Organic Framework (COF) polymeric membranes: exploring the green synthesis pathways
Nature inspired: Structural colours for the development of highly scalable materials
Experimental and Theoretical Studies

Capture and Characterization of Single Extracellular Vesicles

Hierarchical ZnO microstructure by Hydrothermal Method and Its Photocatalytic activity Hydrophosphination: A new, controlled route to post polymerisation modification of phosphinoborane polymers

Multi-modal rhenium(I) tricarbonyl aqua complexes as anti-cancer agents Structure and Properties Tuning of Sodium Rhodizonate by High Pressure

Solid-Vapor Interface Engineered Covalent Organic Framework Membranes for Molecular Separation Affinity

Selection-Mass Spectrometry Screening of Peptide Libraries

Modern Theoretical Perspectives on Electronegativity

Cycloaddition: Access to Complex Scaffolds via Donor-Acceptor Cyclopropanes

On Halogen Bonding: History, Recent Advances and the Redefinition of the Status Quo Phase-change materials (PCMs) for data storage technologies

Cooperative Dehydrogenative Catalysis in Aniline Synthesis

NH₃ formation from N₂ and H₂ mediated by molecular tri-iron complexes

Developments in Highly Biocompatible Photosensitized Nanomaterials for Photodynamic Therapy Nanobio-engineered biosensors for COVID-19 diagnosis

Using Bimetallic Complexes as Catalysts for Organic Synthesis

9657-9658 Topics: 2019-2020

Dendritic hydrogels: Materials for the encapsulation and delivery of cells and drugs

Optical, Electronic and Thermochromic Properties of Three Coordinate Borepinium and Borafuorenium Heterocycles

Synthesis of highly luminescent N-heterocyclic carbene stabilized Au cluster Furan-Based Synthetic Bio-Based Polymers Protect Against UV Radiation Mass Spectrometry-Based Approaches to Biomarker Discovery

Advances in Low-Cost Detection of Toxic Arsenic in the Environment The Protein Corona of Nanoparticles

Greener Synthesis of Organic Compounds Using Electrosynthesis Methods Selective Hydrogenation of Acetylene

to ethylene: "Active Sites" Tw 07C113h2 ((t)-29 (t)2-113 (D)-26 (i)28 (s)126 (C20 13f7 (S)45 (el)136 23(A)79 (c)64Tc 0 @102019

Protein Modifications in Aging Characterized by Mass Spectrometry

Recent Advances in the Cycloaddition of 1,4-Dipoles: An Atom Economical Construction of Biologically Relevant Frameworks

The Viability of Aluminum Ion Batteries for Safe Commercial Uses

Getting the Short End of the Stick – The Affects of Truncation on Lipid Bilayers Anionic redox activity in Li-ion batteries – fundamentals and challenges

Search for Past Life on Mars: Hints from Detection of Reduced Organic Carbon Compounds and Carbonate Minerals in Martian Meteorites

Chemical Space: The Final Frontier – Expanding the chemical diversity of large macrocycle libraries The application of atomically thin 2D materials in CO₂ electroreduction

CO₂ Reduction with Main Group Reagents Motion of Light-powered Micro/Nanobots

Frontal Ring-Opening Metathesis Polymerization of Dicyclopentadiene: An Efficient and Versatile Method for the Synthesis of a Thermoset Polymer

Nano-porous Polymer-based Materials for Highly Efficient Passive Daytime Radiative Cooling Bioinspired Microstructures for Fog Water Harvest

Advances in 2D Semiconductor Materials for Field Effect Transistors

9657-9658 Topics: 2017-2018

Geopolymers as Encapsulants for Cs and Sr Nuclear Waste Designing molecular beacons for improved nucleic acid bioanalysis Polynuclear N-Heterocyclic Carbene Complexes of Gold Vibrational Spectroscopy of Exosomes

Glycodendrimersomes, a Novel Cellular Mimic with Displayed Surface Carbohydrates for Binding to Lectins Low-

Coordinate Phosphorus Compounds: Adding Tools to the Synthetic Chemists' Toolbox

Red to near-IR BODIPY fluorophores and their role in dendritic single-molecule fluorescent probes Saxitoxin in Action: Development of novel biological tools for the investigation of voltage gated sodium channels

X-750 alloy oxide formation in boiling water reactor conditions: exploring the effects of iron content and surface preparation

Reusable Evanescent wave DNA biosensor for rapid detection of Mercury ions in aqueous solution with high sensitivity and selectivity

Hydrogen Bonding in Photoswitchable Molecules Plasmonic Nanoparticles as Optical Biosensors

The design and synthesis of a 18F-labeled saxitoxin derivative for in vivo PET imaging of voltage-gated sodium channels

Analytical Issues involved in the Legalization of Cannabinoids

Improving the Detection Sensitivity in Paper-based Microfluidics for Point-of-Care Diagnostics Keep 'em Separated:

Methods of deconvoluting NMR spectra of complex mixtures

Polymers in Water Treatment: Applications and Function

Recent Advances in Materials Science: What Does A D (ic) Tw 2217 0 -0001 T ppliPt

9658Y Topics: 2014-2015

Examining the Next Generation of Anti-Inflammatory Agents

Membrane Electrode Assembly: the Challenges and Opportunities

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highlight

Polymer solar cells- a new approach to harness energy directly from the sun Rotaxane Based Mechanically Interlocked Machines: From Design to Work Actuator Materials in Future Biomedical Applications

9658Y Topics: 2013-2014

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Light Struck Beer

Development of Synthetic Metalloenzymes Towards Industrial Applications Layered Double Hydroxides (LDHs)

Nanosheets and their Applications Metal-organic Frameworks for Hydrogen Storage

9658Y Topics: 2011-2012

Artificial and Non-Nutritive Sweeteners (NNS): What's in your coffee? The Photochemical Reduction of Carbon

Dioxide: Application for Energy Storage Catalytic Antibodies: At the Interface of Chemistry and Biology The Role of

Nanomaterials in Increasing Energy Efficiency of Li-air Batteries Repairing Internal Damage - The Chemistry of Self-

Healing Materials Molecular Flasks: Self-Assembled Transition- Metal Supramolecular Hosts

C-H Bond Activation, Towards Unactivated Cross-Coupling Reactivity Molybdenum and Iron Complexes for

Dinitrogen Reduction to Ammonia Core-Shell Nanoparticles: Fabrication and Application for Chemical Catalysis

Synthesis, Dynamics and Applications of Catalytic