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Peer Review Summary

Performed 46 reviews for journals including *Journal of Molecular Structure* and *RSC Advances* between October 1994 and September 2019.

	23	Journal of Molecular Structure
	5	RSC Advances
	5	Medicinal Chemistry Research
	3	Journal of Molecular Graphics and Modelling
	1	International Journal of Pharmaceutics
	1	Journal of Luminescence
	1	SAR and QSAR in Environmental Research
	1	Research on Chemical Intermediates
	1	Journal of Chemical Society of Pakistan
	1	Chinese Journal of Chemistry
	1	Journal of King Saud University - Science
	1	Energy & Fuels
	1	Monatshefte für Chemie - Chemical Monthly
	1	Oriental Journal of Physical Sciences

Publication List

A list of all publications authored between October 1994 and September 2019.

-  Sep 2019 Journal of Coordination Chemistry
Synthesis, structure and catalytic promiscuity of a naphthyl-pyrazole Mn(II) complex and structure–activity relationships
-  2019 New Journal of Chemistry
Metal–ligand ring aromaticity in a 2D coordination polymer used as a photosensitive electronic device
-  Nov 2018 Journal of Molecular Modeling
First report of a planar and a quasi-planar Al13+ cluster having localized antiaromatic deltas within an aromatic sea: NICS, ELF, AIM, and AdNDP bonding analysis
-  Oct 2018 Inorganica Chimica Acta
Synthesis, characterization, cytotoxicity effect and DNA cleavage study of symmetric dinuclear chloro and azido bridged copper(II) complexes of naphthyl-pyrazole based ligand
-  Jun 2018 ChemistrySelect
Water Tetramer Confinement and Photosensitive Schottky Behavior of a 2D Coordination Polymer
-  Feb 2018 Journal of Molecular Structure
Induction of chirality through change of substitution in cadmium (II) complexes of 2-benzoylpyridine and 2-acetylpyridine based Schiff bases - Crystal structure, luminescence and thermal properties
-  2018 Asian Journal of Chemistry
Study of Radical Scavenging Activities of a Series of Flavonoids through 3D-QSAR Analysis
-  2018 Asian Journal of Chemistry
Molecular Modeling of 4,5-Disubstituted Biphenyl Acetic Acid Molecules for their Anti-inflammatory Activity through 3D-QSAR, Docking and Molecular Dynamics Simulation
-  2018 Asian Journal of Organic and Medicinal Chemistry
Electrophilic Group Chemical Potential as Sole DFT based Descriptor in a QSAR Model for Non-Nucleoside HIV-1 Reverse Transcriptase Inhibition Activity of a Series DABO Derivatives

-  2017 Journal of Molecular Structure
Synthesis, crystal structure, Hirshfeld surface analysis, electronic structure through DFT study and fluorescence properties of a new anthracene based organic tecton
-  2016 Journal of Coordination Chemistry
A phenoxo-azido assorted Schiff base copper(II) bridged dimer in trace level fluorescence sensing of a pesticide: a DFT supported phenomenon
-  2016 Physical Chemistry Chemical Physics
sigma-Aromaticity in polyhydride complexes of Ru, Ir, Os, and Pt
-  Nov 2014 Inorganica Chimica Acta
A dynamic metal–organic supramolecular host based on weak π -stacking interactions incorporating 2D water-chloride-methanolic supramolecular sheet
-  Aug 2014 Journal of Coordination Chemistry
Synthesis, characterization, structural investigation, and antimicrobial studies of mononuclear Zn(II), Cd(II), and Ag(I) complexes of an N 3 O Schiff base
-  Mar 2014 Polyhedron
Dicyanamide mediated construction of 1D polymeric networks of quinoxaline with d10 metal ions: Synthesis, thermogravimetric analysis, photoluminescence and a theoretical investigation on the π - π interactions
-  Jan 2014 Journal of Coordination Chemistry
Synthesis, characterization, X-ray crystallography, and antimicrobial activities of Ni(II) and Cu(II) complexes with a salicylaldehyde-based thiosemicarbazone ligand
-  Jan 2014 Polyhedron
Encapsulation of a double-helical water–nitrate chain inside unique double helical chiral channels formed from Keggin POM and hexaquo-cobalt(II) units
-  2014 RSC Advances
Copper(II) induced oxidative modification and complexation of a schiff base ligand: synthesis, crystal structure, catalytic oxidation of aromatic hydrocarbons and DFT calculation
-  2014 RSC Advances
Unexplored analytics of some novel 3d-4f heterometallic Schiff base complexes
-  Nov 2013 Inorganica Chimica Acta
Ligand mediated structural diversity and role of different weak interactions in molecular self-assembly of a series of copper(II)–sodium(I) Schiff-base heterometallic complexes
-  Oct 2013 Inorganic Chemistry Communications
Quantitative estimation of the antiferromagnetic interaction between Cu(II) and Sm(III) in two dimensional heterometallic coordination polymer with isonicotinic acid as tectons
-  Aug 2013 Inorganica Chimica Acta
Copper(I) and silver(I) coordination assemblies of imino-pyridyl and azino-pyridyl ligands: Syntheses, crystal structures, spectroscopic and photophysical properties
-  Apr 2013 Crystal Growth & Design
Transformation of a Mother Crystal to a Daughter Crystal through Amorphous Phase: De-assembly of Coordination Helices upon Heating and Re-assembly through Aqueation
-  Apr 2013 Inorganica Chimica Acta
Stabilization of 2D water sheets in a supramolecular metal–organic Schiff base complex: Reversible structural transformation upon dehydration–rehydration
-  Jan 2013 Journal of Coordination Chemistry
Azide-bridged manganese(III) one-dimensional chain: synthesis, structure, and magnetic study
-  2013 CrystEngComm
Molecular architecture using novel types of non-covalent π -interactions involving aromatic neutrals, aromatic cations and π -anions
-  Dec 2012 Journal of Molecular Structure
Single pot synthesis of pyridine-N-oxide based polymeric complexes of cadmium and manganese: Crystal structure and luminescence property
-  Oct 2012 Inorganic Chemistry Communications
First crystallographic report on a novel 2D layer of water pentagons: L5(7) water motif enclathrating [Co(cyclam)Cl₂]
-  May 2012 Journal of Molecular Structure
Substitution dependent dimensionality of cadmium(II) coordination polymers of imino pyridyl ligands

-  Mar 2012 Polyhedron
Sodium ion assisted molecular self-assembly in a class of Schiff-base copper(II) complexes
-  2012 CrystEngComm
 σ -Aromaticity in dinuclear copper(II) complexes: Novel interaction between perchlorate anion and σ -aromatic [Cu₂X₂] (X = N or O) core
-  2012 CrystEngComm
A rare supramolecular assembly involving ion pairs of coordination complexes with a host-guest relationship: synthesis, crystal structure, photoluminescence and thermal study
-  2012 The Journal of Optics
Image edge detection scheme by the use of Kerr type nonlinear material and the verification of the scheme by computer simulation
-  2012 Journal of Molecular Modeling
A QSAR study of radical scavenging antioxidant activity of a series of flavonoids using DFT based quantum chemical descriptors - the importance of group frontier electron density
-  Nov 2011 Crystal Growth & Design
On the Possibility of Tuning Molecular Edges To Direct Supramolecular Self-Assembly in Coumarin Derivatives through Cooperative Weak Forces: Crystallographic and Hirshfeld Surface Analyses
-  2011 Physical Chemistry Chemical Physics
Unprecedented $\pi\cdots\pi$ interaction between an aromatic ring and a pseudo-aromatic ring formed through intramolecular H-bonding in a bidentate Schiff base ligand: crystal structure and DFT calculations
-  Nov 2010 European Journal of Inorganic Chemistry
Design of Tri-Substituted Dodecatungstosilicate from a Trilacunary Silicotungstate by Insertion of Manganese Ions of [Mn₃(μ -3-O)(2-Cl-benzoato)₆(py)₃]: Synthesis, Structure, Redox and Magnetic Studies
-  Jun 2010 European Journal of Inorganic Chemistry
A μ -3-Alkoxo-Bridged Tetranuclear [Cu₄L₂] Copper(II) Complex of a Hexadentate N₂O₄ Donor Ligand with a [6 + 0] Cu₄O₄ Cubane Core: Synthesis, Crystal Structure, and Magnetic Properties
-  Jun 2010 Inorganica Chimica Acta
Arylazoimidazoliumchloride and chlorometallates: Spectroscopic and structural characterization
-  Apr 2010 The Journal of Physical Chemistry B
Intriguing $\pi + -\pi$ Interaction in Crystal Packing
-  Apr 2010 Journal of Molecular Structure
Co-operation of $\pi\cdots\pi$, Cu(II) $\cdots\pi$, carbonyl $\cdots\pi$ and hydrogen-bonding forces leading to the formation of water cluster mimics observed in the reassessed crystal structure of [Cu(mal)(phen)(H₂O)]₂·3H₂O (H₂mal=malonic acid, phen=1,10-phenanthroline)
-  Mar 2010 Inorganica Chimica Acta
Three dimensional metal-malonate frameworks with pillared layered architecture: Unusual role of metal-chelate as pillar
-  Mar 2010 Journal of Molecular Structure
Acyclic water pentamer induces novel supramolecular ribbed sheet: Cooperativity and competitiveness of weak and covalent forces?
-  Mar 2010 Polyhedron
Effect of protonated aminopyridines on the structural divergences of M(II)-malonate complexes (M=Cu, Ni, Co)
-  2010 Polyhedron
Cluster based copper(II)-azide polymer: Synthesis, structure and magnetic study
-  2010 Dalton Transactions
Robust 1D open rack-like architecture in coordination polymers of Anderson POMs {[Na₄(H₂O)₁₄}{Cu(gly)₂}[TeMo₆O₂₄] and {[Cu(en)₂]₃{TeW₆O₂₄}}: synthesis, characterization and heterogeneous catalytic epoxidation of olefines
-  Oct 2009 Journal of Solid State Chemistry
2D water layer enclathrated between Mn(II)-Ni(CN)₄ coordination frameworks
-  Sep 2009 Polyhedron
Role of weak interactions in controlling the topology of coordination polymeric chains in [Pt(CN)₄]₂-bridged Cu(II) complexes: Syntheses, crystal structure and magnetic studies
-  Jul 2009 Journal of Physical Chemistry A
Water-Chloride and Water-Bromide Hydrogen-Bonded Networks: Influence of the Nature of the Halide Ions on the Stability of the Supramolecular Assemblies
-  Mar 2009 Polyhedron
Segregated self-assembly and pillaring action of aliphatic dicarboxylic acids in the super structure of Cu-picolinate complexes

-  Mar 2009 Journal of Molecular Structure
Use of pi-pi forces to steer the assembly of a NTA complex of Cu(II) into hydrogen bonded supramolecular layers (H(3)NTA = nitrilotriacetic acid)
-  2009 Dalton Transactions
Robust recognition of malonate and 2-amino-4-picolinium in conjunction with M(ii) as a triad (M = Ni/Co/Mn): role of this highly stable hydrogen-bonded motif in driving supramolecular self-assembly
-  2009 Dalton Transactions
Geometrical isomers of [TEAH][Co(LSe)2]·xH2O: synthesis, structural, spectroscopic and computational studies
-  2009 Polyhedron
Concomitant polymorphism of an antiferromagnetically coupled dicopper(II,II) complex with single strand helical assembly: Synthesis, structure, DSC, magnetic and heterogeneous catalytic studies
-  2009 CrystEngComm
The first crystallographic observation of up to the third hydration layer of Cu(II) ion in an unusual 'water-cation layer' templated by an Anderson polyoxometallate
-  Sep 2008 Polyhedron
Cyanometallate incorporated supramolecular networks based on a nitroalkyl-substituted Cu(II) precursor: Synthesis, crystal structure, thermal and electrochemical studies
-  Sep 2008 Polyhedron
A tridentate in situ generated ligand that directs the self-assembly of a transition metal complex: Synthesis and structural characterization of cis-dichloro[1-(2-aminoethyl)biguanide]copper(II) monohydrate
-  Mar 2008 Journal of Solid State Chemistry
2D parallel interpenetration of [M2(bpp)4X4] [M, Fe(II)/Co(II); bpp, 4,4'-trimethylenedipyridine; X, SCN⁻, SeCN⁻ and N3⁻] complexes: Pseudohalide-dependent conformation of bpp
-  Mar 2008 Polyhedron
Polymorphism in [Co(SCN)4(ppz-H)2] (ppz, piperazine)
-  Jan 2008 European Journal of Inorganic Chemistry
Organization of the Ru2Na Moiety of a Phenazine Ligand Into a New Coordination Network Promoted by ClO4⁻-Aromatic-π Interactions
-  2008 Indian Journal of Chemistry Section A-Inorganic Bio-Inorganic Physical Theoretical & Analytical Chemistry
Synthesis of a new polymorph in [Cu(pyridine-2-carboxylate)(2)] system
-  2008 CrystEngComm
pH-triggered changes in the supramolecular self-assembly of Cu(II) malonate complexes
-  Sep 2007 Polyhedron
Facile synthesis of silver nano particles with highly efficient anti-microbial property
-  Jul 2007 Crystal Growth & Design
4,4'-Dipyridyl- N, N'-dioxide Complexes of Metal-Thiocyanate/Selenocyanate: π-Stacked Molecular Rods as Three-Dimensional Support for Two-Dimensional Polymeric Sheets and Intra/Interchain S...S Interaction Dependent Architecture of the (8) Synthron Driven Assembly of One-Dimensional Polymeric Chains
-  Feb 2007 Crystal Growth & Design
Crowned Tetrameric Spirocyclic Water Chain: An Unusual Building Block of a Supramolecular Metal-Organic Host
-  2007 CrystEngComm
Crystal engineering through [Hg(SCN)4] 2⁻ templates: S...S interaction mediated 3-D parallel interpenetration in the self-assembled superstructure of [Hg(SCN)4] 2⁻ and protonated 2,2'-dipyridylamine
-  2007 CrystEngComm
Towards rational design of supramolecular helices using linear pseudohalides in Cd(II) - 2,2'-biimidazole system
-  2007 Journal of Neurochemistry
Gemfibrozil attenuates microglial activation via PI-3 kinase-mediated upregulation of IKBALPHA
-  Oct 2006 Inorganica Chimica Acta
Iodo bridged lead(II) compounds of azoimidazoles: Single crystal X-ray structures of [di-iodo-{1-methyl-2-(p-tolylazo)imidazole}lead(II)]_n and {1-methyl-3-benzyl-2-(p-tolylazo)imidazolium}_m-{tri-iodoplumbate(II)}_m
-  Mar 2006 Crystal Growth & Design
Toward the Recognition of Enolates/Dicarboxylates: Syntheses and X-ray Crystal Structures of Supramolecular Architectures of Zn(II)/Cd(II) Using 2,2'-Biimidazole
-  Mar 2006 Polyhedron

Synthesis, spectral characterisation, and electrochemistry of bis-(2,2'-bipyridine)(1-alkyl-2-(naphthylazo)imidazole)ruthenium(II) complexes: X-ray crystal structure of [bis-(2,2'-bipyridine)-(1-ethyl-2-(naphthyl- α -azo)imidazole)ruthenium(II) perchlorate



Jan 2006 Inorganica Chimica Acta

Formation of a supramolecular ladder using dinuclear dicyanamide bridged Cu(II) species: Synthesis, crystal structure and magnetic property



Jan 2006 Inorganica Chimica Acta

Cd(II)-NCS/NCO complexes of 1-alkyl-2-(arylazo)imidazole: Single crystal X-ray structure of [Cd(HaiMe)₂(SCN)₂]



2005 Journal of Neurochemistry

HIV-1 neurotoxic proteins and activated astroglia kill human primary neurons via neutral sphingomyelinase
