

Atish Dipankar Jana

List of Publications by Year in descending order

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81
papers

1,655
citations

394286

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315616

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all docs

83
docs citations

83
times ranked

1975
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Ligand mediated structural diversity of copper(II)-azido moiety: Synthesis, structure and magnetic study. <i>Inorganica Chimica Acta</i> , 2022, 531, 120713. | 1.2 | 4 |
| 2 | Carboxylato Bridged Cyclic SBUs as Robust Features in a Series of Cu(II) Coordination Polymers and Halogen \cdots Halogen Interactions in Crystal Packing. <i>Crystal Growth and Design</i> , 2022, 22, 1253-1262. | 1.4 | 7 |
| 3 | Protonation induced self-complementarity of rod-like Cu(NTA)(bpeH) units and their layered supramolecular self-assembly entrapping heptamer like water clusters. <i>Results in Chemistry</i> , 2022, 4, 100421. | 0.9 | 1 |
| 4 | Role of imidazole edge to edge supramolecular interaction in the crystal packing of Cu(II)(SCN \cdots) ₂ (imidazole) ₂ complex: A novel variety of supramolecular interaction revealed by CCDC database analysis and explored through DFT computational studies. <i>Journal of Molecular Structure</i> , 2021, 1227, 129513. | 1.8 | 3 |
| 5 | Effect of alkali atom doping on the electronic structure and aromatic character of planar and quasi-planar Al ₁₃ ⁺ clusters. <i>Journal of Molecular Modeling</i> , 2021, 27, 235. | 0.8 | 2 |
| 6 | Water dimer isomers: interaction energies and electronic structure. <i>Journal of Molecular Modeling</i> , 2020, 26, 20. | 0.8 | 15 |
| 7 | Electrically conductive Cu(\langle scp \rangle) ₂ -based 1D coordination polymer with theoretical insight. <i>Dalton Transactions</i> , 2020, 49, 15323-15331. | 1.6 | 8 |
| 8 | Stabilization of cyclic water tetramers and dimers in the crystal host of 2D coordination networks: electrical conductivity and dielectric studies. <i>New Journal of Chemistry</i> , 2020, 44, 15857-15870. | 1.4 | 9 |
| 9 | Planarity does not always mean higher aromaticity – Intriguing metalloaromaticity of three Al ₁₃ ⁺ isomers. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 97, 107544. | 1.3 | 3 |
| 10 | B ₁₃ ⁺ is a Tri \cdots Spoke Wheel: A New Revelation through Electronic Structure Analysis. <i>ChemistrySelect</i> , 2020, 5, 3906-3916. | 0.7 | 1 |
| 11 | Non-Nucleoside HIV-1 Reverse Transcriptase Inhibition Activity of a Series of Dihydroalkoxybenzoxypyrimidine (DABO) Derivatives: CoMFA, CoMSIA and Docking Studies. <i>Asian Journal of Organic & Medicinal Chemistry</i> , 2020, 5, 265-272. | 0.1 | 0 |
| 12 | Synthesis, structure and catalytic promiscuity of a naphthyl-pyrazole Mn(II) complex and structure \cdots activity relationships. <i>Journal of Coordination Chemistry</i> , 2019, 72, 2636-2653. | 0.8 | 4 |
| 13 | Metal \cdots ligand ring aromaticity in a 2D coordination polymer used as a photosensitive electronic device. <i>New Journal of Chemistry</i> , 2019, 43, 2710-2717. | 1.4 | 27 |
| 14 | 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. <i>Journal of Molecular Structure</i> , 2018, 1154, 348-353. | 1.8 | 3 |
| 15 | First report of a planar and a quasi-planar Al ₁₃ ⁺ cluster having localized antiaromatic deltas within an aromatic sea: NICS, ELF, AIM, and AdNDP bonding analysis. <i>Journal of Molecular Modeling</i> , 2018, 24, 344. | 0.8 | 8 |
| 16 | Molecular Modeling of 4 \cdots ,5-Disubstituted Biphenyl Acetic Acid Molecules for their Anti-inflammatory Activity through 3D-QSAR, Docking and Molecular Dynamics Simulation. <i>Asian Journal of Chemistry</i> , 2018, 30, 2437-2444. | 0.1 | 1 |
| 17 | Study of Radical Scavenging Activities of a Series of Flavonoids through 3D-QSAR Analysis. <i>Asian Journal of Chemistry</i> , 2018, 30, 2394-2398. | 0.1 | 1 |
| 18 | Water Tetramer Confinement and Photosensitive Schottky Behavior of a 2D Coordination Polymer. <i>ChemistrySelect</i> , 2018, 3, 6985-6991. | 0.7 | 17 |

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|----|---|-----|-----------|
| 19 | Synthesis, characterization, cytotoxicity effect and DNA cleavage study of symmetric dinuclear chloro and azido bridged copper(II) complexes of naphthyl-pyrazole based ligand. <i>Inorganica Chimica Acta</i> , 2018, 482, 621-634. | 1.2 | 9 |
| 20 | Synthesis, crystal structure, Hirshfeld surface analysis, electronic structure through DFT study and fluorescence properties of a new anthracene based organic tecton. <i>Journal of Molecular Structure</i> , 2017, 1145, 102-111. | 1.8 | 4 |
| 21 | A phenoxo-azido assorted Schiff base copper(II) bridged dimer in trace level fluorescence sensing of a pesticide: a DFT supported phenomenon. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2881-2894. | 0.8 | 2 |
| 22 | Synthesis, characterization, structural investigation, and antimicrobial studies of mononuclear Zn(II), Cd(II), and Ag(I) complexes of an N3O Schiff base. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3107-3120. | 0.8 | 5 |
| 23 | Synthesis, characterization, X-ray crystallography, and antimicrobial activities of Ni(II) and Cu(II) complexes with a salicylaldehyde-based thiosemicarbazone ligand. <i>Journal of Coordination Chemistry</i> , 2014, 67, 286-299. | 0.8 | 10 |
| 24 | 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. <i>Polyhedron</i> , 2014, 70, 11-19. | 1.0 | 18 |
| 25 | Encapsulation of a double-helical water-nitrate chain inside unique double helical chiral channels formed from Keggin POM and hexaquo-cobalt(II) units. <i>Polyhedron</i> , 2014, 68, 265-271. | 1.0 | 4 |
| 26 | Unexplored analytics of some novel 3d-4f heterometallic Schiff base complexes. <i>RSC Advances</i> , 2014, 4, 40794-40802. | 1.7 | 14 |
| 27 | Copper(ii) induced oxidative modification and complexation of a schiff base ligand: synthesis, crystal structure, catalytic oxidation of aromatic hydrocarbons and DFT calculation. <i>RSC Advances</i> , 2014, 4, 34248-34256. | 1.7 | 8 |
| 28 | A dynamic metal-organic supramolecular host based on weak π -stacking interactions incorporating 2D water-chloride-methanolic supramolecular sheet. <i>Inorganica Chimica Acta</i> , 2014, 423, 123-132. | 1.2 | 6 |
| 29 | Azide-bridged manganese(III) one-dimensional chain: synthesis, structure, and magnetic study. <i>Journal of Coordination Chemistry</i> , 2013, 66, 9-17. | 0.8 | 11 |
| 30 | Quantitative estimation of the antiferromagnetic interaction between Cu(II) and Sm(III) in two dimensional heterometallic coordination polymer with isonicotinic acid as tectons. <i>Inorganic Chemistry Communication</i> , 2013, 36, 212-215. | 1.8 | 5 |
| 31 | Copper(I) and silver(I) coordination assemblies of imino-pyridyl and azino-pyridyl ligands: Syntheses, crystal structures, spectroscopic and photophysical properties. <i>Inorganica Chimica Acta</i> , 2013, 404, 131-143. | 1.2 | 17 |
| 32 | 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. <i>Inorganica Chimica Acta</i> , 2013, 408, 172-180. | 1.2 | 20 |
| 33 | Molecular architecture using novel types of non-covalent π -interactions involving aromatic neutrals, aromatic cations and π -anions. <i>CrystEngComm</i> , 2013, 15, 1285. | 1.3 | 136 |
| 34 | Transformation of a Mother Crystal to a Daughter Crystal through Amorphous Phase: De-assembly of Coordination Helices upon Heating and Re-assembly through Aquation. <i>Crystal Growth and Design</i> , 2013, 13, 2135-2142. | 1.4 | 17 |
| 35 | Stabilization of 2D water sheets in a supramolecular metal-organic Schiff base complex: Reversible structural transformation upon dehydration-rehydration. <i>Inorganica Chimica Acta</i> , 2013, 399, 200-207. | 1.2 | 3 |
| 36 | First crystallographic report on a novel 2D layer of water pentagons: L5(7) water motif enclathrating [Co(cyclam)Cl ₂]. <i>Inorganic Chemistry Communication</i> , 2012, 24, 157-161. | 1.8 | 1 |

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|----|---|-----|-----------|
| 37 | A rare supramolecular assembly involving ion pairs of coordination complexes with a host-guest relationship: synthesis, crystal structure, photoluminescence and thermal study. CrystEngComm, 2012, 14, 7415. | 1.3 | 45 |
| 38 | Single pot synthesis of pyridine-N-oxide based polymeric complexes of cadmium and manganese: Crystal structure and luminescence property. Journal of Molecular Structure, 2012, 1029, 169-174. | 1.8 | 9 |
| 39 | Image edge detection scheme by the use of Kerr type nonlinear material and the verification of the scheme by computer simulation. Journal of Optics (India), 2012, 41, 178-183. | 0.8 | 7 |
| 40 | π -Aromaticity in dinuclear copper(II) complexes: Novel interaction between perchlorate anion and π -aromatic [Cu ₂ X ₂] (X = N or O) core. CrystEngComm, 2012, 14, 4972. | 1.3 | 6 |
| 41 | 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. Journal of Molecular Modeling, 2012, 18, 2621-2631. | 0.8 | 69 |
| 42 | Substitution dependent dimensionality of cadmium(II) coordination polymers of imino pyridyl ligands. Journal of Molecular Structure, 2012, 1015, 156-161. | 1.8 | 6 |
| 43 | Sodium ion assisted molecular self-assembly in a class of Schiff-base copper(II) complexes. Polyhedron, 2012, 35, 108-115. | 1.0 | 16 |
| 44 | On the Possibility of Tuning Molecular Edges To Direct Supramolecular Self-Assembly in Coumarin Derivatives through Cooperative Weak Forces: Crystallographic and Hirshfeld Surface Analyses. Crystal Growth and Design, 2011, 11, 4837-4849. | 1.4 | 184 |
| 45 | Unprecedented π - π 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. Physical Chemistry Chemical Physics, 2011, 13, 15845. | 1.3 | 18 |
| 46 | Co-operation of π - π , Cu(II)- π , carbonyl- π and hydrogen-bonding forces leading to the formation of water cluster mimics observed in the reassessed crystal structure of [Cu(mal)(phen)(H ₂ O)] ₂ ·3H ₂ O (H ₂ mal=malonic acid, phen=1,10-phenanthroline). Journal of Molecular Structure, 2010, 967, 131-139. | 1.8 | 29 |
| 47 | A $\frac{1}{4}$ Alkoxo-bridged Tetranuclear [Cu ₄ L ₂] Copper(II) Complex of a Hexadentate N ₂ O ₄ Donor Ligand with a [6 + 0] Cu ₄ O ₄ Cubane Core: Synthesis, Crystal Structure, and Magnetic Properties. European Journal of Inorganic Chemistry, 2010, 2010, 3484-3490. | 1.0 | 13 |
| 48 | Design of Tri-substituted Dodecatungstosilicate from a Trilacunary Silicotungstate by Insertion of Manganese Ions of [Mn ₃ ($\frac{1}{4}$) ₃ (μ -O)(2-Cl-benzoato) ₆ (py) ₃]; Synthesis, Structure, Redox and Magnetic Studies. European Journal of Inorganic Chemistry, 2010, 2010, 5517-5522. | 1.0 | 11 |
| 49 | Acyclic water pentamer induces novel supramolecular ribbed sheet: Cooperativity and competitiveness of weak and covalent forces?. Journal of Molecular Structure, 2010, 966, 64-68. | 1.8 | 5 |
| 50 | Effect of protonated aminopyridines on the structural divergences of M(II)-malonate complexes (M=Cu, Ni, Co). Polyhedron, 2010, 29, 1317-1325. | 1.0 | 16 |
| 51 | Cluster based copper(II)-azide polymer: Synthesis, structure and magnetic study. Polyhedron, 2010, 29, 3342-3348. | 1.0 | 25 |
| 52 | Three dimensional metal-malonate frameworks with pillared layered architecture: Unusual role of metal-chelate as pillar. Inorganica Chimica Acta, 2010, 363, 981-987. | 1.2 | 13 |
| 53 | Arylazoimidazoliumchloride and chlorometallates: Spectroscopic and structural characterization. Inorganica Chimica Acta, 2010, 363, 2080-2088. | 1.2 | 3 |
| 54 | Intriguing π - π Interaction in Crystal Packing. Journal of Physical Chemistry B, 2010, 114, 4166-4170. | 1.2 | 55 |

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| 55 | Robust 1D open rack-like architecture in coordination polymers of Anderson POMs $[Na_4(H_2O)_{14}\{Cu(gly)\}_2][TeMo_6O_{24}]$ and $[Cu(en)_2]_3[TeW_6O_{24}]$: synthesis, characterization and heterogeneous catalytic epoxidation of olefines. Dalton Transactions, 2010, 39, 11551. | 1.6 | 50 |
| 56 | Use of π - π forces to steer the assembly of a NTA complex of Cu(II) into hydrogen bonded supramolecular layers (H3NTA=nitrilotriacetic acid). Journal of Molecular Structure, 2009, 921, 268-273. | 1.8 | 13 |
| 57 | Segregated self-assembly and pillaring action of aliphatic dicarboxylic acids in the super structure of Cu^{II} picolinate complexes. Polyhedron, 2009, 28, 653-660. | 1.0 | 18 |
| 58 | Concomitant polymorphism of an antiferromagnetically coupled dicopper(II,II) complex with single strand helical assembly: Synthesis, structure, DSC, magnetic and heterogeneous catalytic studies. Polyhedron, 2009, 28, 665-672. | 1.0 | 16 |
| 59 | Role of weak interactions in controlling the topology of coordination polymeric chains in $[Pt(CN)_4]_2^{2-}$ bridged Cu(II) complexes: Syntheses, crystal structure and magnetic studies. Polyhedron, 2009, 28, 3065-3077. | 1.0 | 9 |
| 60 | 2D water layer enclathrated between $Mn(II)$ - $Ni(CN)_4$ coordination frameworks. Journal of Solid State Chemistry, 2009, 182, 2608-2612. | 1.4 | 15 |
| 61 | Robust recognition of malonate and 2-amino-4-picolinium in conjunction with M(ii) as a triad (M =) Tj ETQq1 1 0.784314 rgBT /Overlock Dalton Transactions, 2009, , 7617. | 1.6 | 26 |
| 62 | The first crystallographic observation of up to the third hydration layer of Cu(II) ion in an unusual π -water-cation layer templated by an Anderson polyoxometallate. CrystEngComm, 2009, 11, 2608. | 1.3 | 4 |
| 63 | Geometrical isomers of $[TEAH][Co(LSe)_2] \cdot xH_2O$: synthesis, structural, spectroscopic and computational studies. Dalton Transactions, 2009, , 5164. | 1.6 | 6 |
| 64 | Water-Chloride and Water-Bromide Hydrogen-Bonded Networks: Influence of the Nature of the Halide Ions on the Stability of the Supramolecular Assemblies. Journal of Physical Chemistry A, 2009, 113, 8626-8634. | 1.1 | 19 |
| 65 | 2D parallel interpenetration of $[M_2(bpp)_4X_4]$ [M, Fe(II)/Co(II); bpp, 4,4'-trimethylenedipyridine; X, SCN^- , $SeCN^-$ and N_3^-] complexes: Pseudohalide-dependent conformation of bpp. Journal of Solid State Chemistry, 2008, 181, 457-466. | 1.4 | 11 |
| 66 | Organization of the Ru_2Na Moiety of a Phenazine Ligand Into a New Coordination Network Promoted by ClO_4^- Aromatic- π Interactions. European Journal of Inorganic Chemistry, 2008, 2008, 44-47. | 1.0 | 17 |
| 67 | Polymorphism in $[Co(SCN)_4(ppz-H)_2]$ (ppz, piperazine). Polyhedron, 2008, 27, 1280-1286. | 1.0 | 27 |
| 68 | 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. Polyhedron, 2008, 27, 2899-2904. | 1.0 | 7 |
| 69 | Cyanometallate incorporated supramolecular networks based on a nitroalkyl-substituted $Cu(II)$ precursor: Synthesis, crystal structure, thermal and electrochemical studies. Polyhedron, 2008, 27, 3112-3122. | 1.0 | 6 |
| 70 | pH-triggered changes in the supramolecular self-assembly of Cu(II) malonate complexes. CrystEngComm, 2008, 10, 1358. | 1.3 | 29 |
| 71 | Towards rational design of supramolecular helices using linear pseudohalides in Cd(ii) - 2,2'-biimidazole system. CrystEngComm, 2007, 9, 304-312. | 1.3 | 25 |
| 72 | Crystal engineering through $[Hg(SCN)_4]^{2-}$ templates: $S \cdots S$ interaction mediated 3-D parallel interpenetration in the self-assembled superstructure of $[Hg(SCN)_4]^{2-}$ and protonated 2,2'-dipyridylamine. CrystEngComm, 2007, 9, 353-357. | 1.3 | 42 |

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|----|--|-----|-----------|
| 73 | 4,4'-Dipyridyl- <i>N,N'</i> -dioxide Complexes of Metal-Thiocyanate/Selenocyanate: π -Stacked Molecular Rods as Three-Dimensional Support for Two-Dimensional Polymeric Sheets and Intra/Interchain S \cdots S Interaction Dependent Architecture of the (8) Synthon Driven Assembly of One-Dimensional Polymeric Chains. <i>Crystal Growth and Design</i> , 2007, 7, 1365-1372. | 1.4 | 56 |
| 74 | Crowned Tetrameric Spirocyclic Water Chain: An Unusual Building Block of a Supramolecular Metal-Organic Host. <i>Crystal Growth and Design</i> , 2007, 7, 212-214. | 1.4 | 59 |
| 75 | Facile synthesis of silver nano particles with highly efficient anti-microbial property. <i>Polyhedron</i> , 2007, 26, 4419-4426. | 1.0 | 158 |
| 76 | Toward the Recognition of Enolates/Dicarboxylates: Syntheses and X-ray Crystal Structures of Supramolecular Architectures of Zn(II)/Cd(II) Using 2,2'-Biimidazole. <i>Crystal Growth and Design</i> , 2006, 6, 701-707. | 1.4 | 55 |
| 77 | Formation of a supramolecular ladder using dinuclear dicyanamide bridged Cu(II) species: Synthesis, crystal structure and magnetic property. <i>Inorganica Chimica Acta</i> , 2006, 359, 690-694. | 1.2 | 16 |
| 78 | Cd(II)-NCS/NCO complexes of 1-alkyl-2-(arylo)imidazole: Single crystal X-ray structure of [Cd(HaaiMe) ₂ (SCN) ₂]. <i>Inorganica Chimica Acta</i> , 2006, 359, 695-700. | 1.2 | 9 |
| 79 | Iodo bridged lead(II) compounds of azoimidazoles: Single crystal X-ray structures of [di-iodo-{1-methyl-2-(<i>p</i> -tolylazo)imidazole}lead(II)] _n and {1-methyl-3-benzyl-2-(<i>p</i> -tolylazo)imidazolium} _m -{tri-iodoplumbate(II)} _m . <i>Inorganica Chimica Acta</i> , 2006, 359, 4377-4385. | 1.2 | 12 |
| 80 | 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- λ -azo)imidazole}ruthenium(II) perchlorate. <i>Polyhedron</i> , 2006, 25, 1125-1132. | 1.0 | 15 |
| 81 | Metallicity distribution of F-dwarf stars in the solar neighbourhood. <i>Journal of Astrophysics and Astronomy</i> , 1994, 15, 197-200. | 0.4 | 1 |