Samar K Das

List of Publications by Year
in descending order

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195 papers	5,838 citations	61945 43 h-index	106281 65 g-index
207 all docs	207 docs citations	207 times ranked	5560 citing authors

#	Article	IF	Citations
1	Designing UiO-66-Based Superprotonic Conductor with the Highest Metalâ€“Organic Framework Based Proton Conductivity. ACS Applied Materials & Interfaces, 2019, 11, 13423-13432.	4.0	173
2	Modeling for the Active Site of Sulfite Oxidase: Synthesis, Characterization, and Reactivity of [MoVIO2(mnt)2]2- (mnt2- = 1,2-Dicyanoethylenedithiolate). Journal of the American Chemical Society, 1994, 116, 9061-9070.	6.6	151
3	Formation of a Spiral-Shaped Inorganicâ€'Organic Hybrid Chain, [CuII(2,2â€˜-bipy)(H2O)2Al(OH)6Mo6O18]nn-:Â Influence of Intra- and Interchain Supramolecular Interactions. Inorganic Chemistry, 2003, 42, 6604-6606.	1.9	145
4	A Keggin Polyoxometalate Shows Water Oxidation Activity at Neutral pH: POM@ZIFâ€8, an Efficient and Robust Electrocatalyst. Angewandte Chemie - International Edition, 2018, 57, 1918-1923.	7.2	145
5	Trapping Cations in Specific Positions in Tuneableâ€œArtificial Cellâ€•Channels: New Nanochemistry Perspectives. Angewandte Chemie - International Edition, 2003, 42, 5039-5044.	7.2	141
6	Identification of a Near-Linear Supramolecular Water Dimer, (H2O)2, in the Channel of an Inorganic Framework Material. Inorganic Chemistry, 2002, 41, 6953-6955.	1.9	118
7	Cold rolling behaviour and textural evolution in AISI 316L austenitic stainless steel. Acta Materialia, 2005, 53, 3951-3959.	3.8	116
8	Modeling the Tungsten Sites of Inactive and Active Forms of Hyperthermophilic Pyrococcus furiosus Aldehyde Ferredoxin Oxidoreductase. Journal of the American Chemical Society, 1996, 118, 1387-1397.	6.6	113
9	A Mononuclear Co^{II} Coordination Complex Locked in a Confined Space and Acting as an Electrochemical Waterâ€Oxidation Catalyst: A â€œShipâ€•inâ€•aâ€Bottleâ€•Approach. Angewandte Chemie - International Edition, 2016, 55, 2425-2430.	7.2	107
10	â€œOpen and Shutâ€•for Guests in Molybdenum-Oxide-Based Giant Spheres, Baskets, and Rings Containing the Pentagon as a Common Structural Element. Angewandte Chemie - International Edition, 1999, 38, 3241-3245.	7.2	100
11	Reversible Single Crystal to Single Crystal Transformation through Feâ€'O(H)Me/Feâ€'OH2Bond Formation/Bond Breaking in a Gasâ€'Solid Reaction at an Ambient Condition. Journal of the American Chemical Society, 2007, 129, 3464-3465.	6.6	99
12	Fabricating a MOF Material with Polybenzimidazole into an Efficient Proton Exchange Membrane. ACS Applied Energy Materials, 2020, 3, 7964-7977.	2.5	98
13	Coordination and supramolecular aspects of the metal complexes of chiral N-salicyl-Î²-amino alcohol Schiff base ligands: Towards understanding the roles of weak interactions in their catalytic reactions. Coordination Chemistry Reviews, 2013, 257, 1699-1715.	9.5	96
14	Self-Assembly of a Fluorescent Chiral Zinc(II) Complex That Leads to Supramolecular Helices. Inorganic Chemistry, 2005, 44, 2585-2587.	1.9	94
15	Polyoxometalate-Supported Transition Metal Complexes and Their Charge Complementarity:â€‰ Synthesis and Characterization of [M(OH)6Mo6O18{Cu(Phen)(H2O)2}2][M(OH)6Mo6O18{Cu(Phen)(H2O)Cl}2]Â·5H2O (M = Al3+, Cr3+). Inorganic Chemistry, 2005, 44, 8846-8854.	1.9	91
16	A novel polyoxometalate chain formed from heteropolyanion building blocks and rare earth metal ion linkers: [La(H2O)7Al(OH)6Mo6O18]nÂ·4nH2O. Dalton Transactions RSC, 2002, , 3781-3782.	2.3	89
17	A cyclic supramolecular (H2O)4 cluster in an unusual Fe3 complex that aggregates to {Fe3}n with a zig-zag chainlike structure. New Journal of Chemistry, 2003, 27, 218-220.	1.4	88
18	A cyclic (H2O)4cluster characterized in the solid state disappears on heating and regenerates from water vapor: A supramolecular reversible gasâ€“solid reaction. New Journal of Chemistry, 2003, 27, 1568-1574.	1.4	87

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19	Linking Icosahedral, Strong Molecular Magnets {MoFe} to Layersâ€"A Solid-State Reaction at Room Temperature. Angewandte Chemie - International Edition, 2000, 39, 1612-1614.	7.2	81
20	Giant Ring-Shaped Building Blocks Linked to Form a Layered Cluster Network with Nanosized Channels: [Mo124VIMo28VO429(Î¼3-O)28H14(H2O)66.5]16â¯. Chemistry - A European Journal, 1999, 5, 1496-1502.	1.7	78
21	Tuning/Directing the Conformational Modulation of Flexible Ligands in the Self-Assembly Process of Coordination Polymers: Synthesis, Structural Characterization, Magnetic Properties, and Theoretical Studies of [Co(pda)(bix)]_n, [Ni(pda)(bix)(H₂O)]_n, [Cu(pda)(bix)₂(H₂O)₂]_n·8nH₂O, [Co₂(Î¼-OH)(pda)(ptz)]_n·nH₂O, [Co(hfipbb)(bix)_{0.5}]_n. Crystal Growth and Design, 2012, 12, 777-792.	1.4	76
22	Cold rolling texture in AISI 304 stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 364, 132-139.	2.6	73
23	On the complex hedgehog-shaped cluster species containing 368 Mo atoms: simple preparation method, new spectral details and information about the unique formation. Polyhedron, 2004, 23, 2381-2385.	1.0	70
24	Stabilization of [BiCl6]3â¯ and [Bi2Cl10]4â¯ with various organic precursors as cations leading to inorganicâ€"organic supramolecular adducts: Syntheses, crystal structures and properties of [C5H7N2]3[BiCl6], [C5H7N2][C5H8N2][BiCl6] and [C10H10N2]2[Bi2Cl10]. Inorganica Chimica Acta, 2011, 372, 206-212.	1.2	62
25	Influence of thermo-mechanical processing and different post-cooling techniques on structure and properties of an ultra low carbon Cu bearing HSLA forging. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 348, 299-308.	2.6	61
26	Variation in the reaction zone and its effects on the strength of diffusion bonded titaniumâ€"stainless steel couple. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 390, 217-226.	2.6	58
27	On the option of generating novel type surfaces with multiphilic ligands within the cavity of a giant metalâ€"oxide based wheel type cluster: chemical reactions with well-defined nanoobjects. Chemical Communications, 2001, , 655-656.	2.2	57
28	A Functional Mimic of the New Class of Tungstoenzyme, Acetylene Hydratase. Journal of the American Chemical Society, 1997, 119, 4315-4316.	6.6	56
29	Small Water Clusters in Crystalline Hydrates. Journal of Cluster Science, 2003, 14, 337-366.	1.7	55
30	Discrete Polyoxovanadate Cluster into an Organic Free Metal-Oxide-Based Material: Syntheses, Crystal Structures, and Magnetic Properties of a New Series of Lanthanide Linked-POV Compounds [{Ln(H₂O)₆}₂As₈V₁₄O₄₂(SO₃)]·8H<sub> (Ln = La³⁺, Sm³⁺, and Ce³⁺). Inorganic Chemistry, 2009, 48, 496-507.	1.9	51
31	D-Ï€-A-A-Ï€-D Prototype 2,2â€²-Bipyridine Dyads Exhibiting Large Structure and Environment-Sensitive Fluorescence: Synthesis, Photophysics, and Computation. Journal of Organic Chemistry, 2012, 77, 432-444.	1.7	51
32	Polyoxometalate-Supported Bis(2,2â€²-bipyridine)mono(aqua)nickel(II) Coordination Complex: an Efficient Electrocatalyst for Water Oxidation. Inorganic Chemistry, 2018, 57, 6479-6490.	1.9	50
33	Hydrothermal Synthesis and Structural Characterization of Metal Organophosphonate Oxide Materials: Role of Metal-Oxo Clusters in the Self Assembly of Metal Phosphonate Architectures. Crystal Growth and Design, 2013, 13, 2426-2434.	1.4	49
34	Cross-linking nanostructured spherical capsules as building units by crystal engineering: related chemistry. Solid State Sciences, 2000, 2, 847-854.	1.5	48
35	Synthesis, structural characterization and electrochemical studies of [Fe2(Î¼-L)(CO)6] and [Fe2(Î¼-L)(CO)5(PPh3)] (LÂ=Âpyrazine-2,3-dithiolate, quinoxaline-2,3-dithiolate and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1 of Organometallic Chemistry, 2011, 696, 3097-3105.	0.8	48
36	Influential Role of Geometrical Disparity of Linker and Metal Ionic Radii in Elucidating the Structural Diversity of Coordination Polymers Based on Angular Dicarboxylate and Bis-pyridyl Ligands. Crystal Growth and Design, 2014, 14, 278-289.	1.4	48

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37	Paramagnetic Keplerate â€œNecklacesâ€•Synthesized by a Novel Room-Temperature Solid-State Reaction: Controlled Linking of Metal-Oxide-Based Nanoparticles. Angewandte Chemie - International Edition, 2002, 41, 579-582.	7.2	47
38	New Series of Asymmetrically Substituted Bis(1,2-dithiolato)-Nickel(III) Complexes Exhibiting Near IR Absorption and Structural Diversity. Inorganic Chemistry, 2008, 47, 5055-5070.	1.9	47
39	A Keggin Polyoxometalate Shows Water Oxidation Activity at Neutral pH: POM@ZIFâ€8, an Efficient and Robust Electrocatalyst. Angewandte Chemie, 2018, 130, 1936-1941.	1.6	47
40	Generation of cluster capsules (Ih) from decomposition products of a smaller cluster (Keggin-Td) while surviving ones get encapsulated: species with coreâ€“shell topology formed by a fundamental symmetry-driven reaction. Chemical Communications, 2001, , 657-658.	2.2	46
41	Evaluation of Cissus quadrangularis extracts as an inhibitor of COX, 5-LOX, and proinflammatory mediators. Journal of Ethnopharmacology, 2012, 141, 989-996.	2.0	46
42	Assembling nanosized ring-shaped synthons to an anionic layer structure based on the synergetically induced functional complementarity of their surface-sites: Na21[MoVI126MoV28O462H14(H2O)54(H2PO2)7]Â·xH2O (x â‰ˆ 300). Chemical Communications, 1999, , 1035-1036.	2.2	44
43	Facile and Optimized Syntheses and Structures of Crystalline Molybdenum Blue Compounds Including one with an Interesting High Degree of Defects: Na26[Mo142O432(H2O)58H14]â€šÂ·â€šca. 300â€šH2O and Na16[(MoO3)176(H2O)63(CH3OH)17H16]â€šÂ·â€šca. 600â€šH2Oâ€šÂ·â€šca. 6â€šCH3OH. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 1960-1962.	0.6	43
44	Supramolecular Architectures from Ammonium-Crown Ether Inclusion Complexes in Polyoxometalate Association: Synthesis, Structure, and Spectroscopy. Crystal Growth and Design, 2010, 10, 3149-3163.	1.4	43
45	Perceptive Approach in Assessing Rigidity versus Flexibility in the Construction of Diverse Metalâ€“Organic Coordination Networks: Synthesis, Structure, and Magnetism. Crystal Growth and Design, 2015, 15, 1407-1421.	1.4	42
46	Efficient Electrocatalytic Water Oxidation by Fe(salen)â€“MOF Composite: Effect of Modified Microenvironment. Inorganic Chemistry, 2020, 59, 472-483.	1.9	42
47	Polymer supported vo2+ schiff base catalyst for hydroxylation of benzene. Tetrahedron Letters, 1995, 36, 7909-7912.	0.7	40
48	Mechanistic Aspects for the Formation of Copper Dimer Bridged by Phosphonic Acid and Extending Its Dimensionality by Organic and Inorganic Linkers: Synthesis, Structural Characterization, Magnetic Properties, and Theoretical Studies. Crystal Growth and Design, 2012, 12, 5579-5597.	1.4	40
49	Mimicking oxide surfaces: different types of defects and ligand coordination at well defined positions of a molybdenum oxide based nanocluster. Chemical Communications, 2001, , 2126.	2.2	38
50	Synthesis and characterization of a ruthenium oxideâ€“zeolite Y catalyst for photochemical oxidation of water to dioxygen. Microporous and Mesoporous Materials, 1998, 22, 475-483.	2.2	37
51	Coordination frameworks containing compounds as catalysts. Inorganic Chemistry Frontiers, 2017, 4, 202-233.	3.0	36
52	Exploring the efficiency and pollutant emission of a dual fuel CI engine using biodiesel and producer gas: An optimization approach using response surface methodology. Science of the Total Environment, 2021, 773, 145633.	3.9	36
53	Evolution of metal organic frameworks as electrocatalysts for water oxidation. Chemical Communications, 2020, 56, 11735-11748.	2.2	35
54	Sulfate anion helices formed by the assistance of a flip-flop water chain. Chemical Communications, 2006, , 2762.	2.2	34

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55	Near-IR absorption due to supramolecular electronic interaction in an extended 3D hydrogen-bonding network material: synthesis, crystal structure and properties of [4,4â€²-H2bpy][Cu(mnt)2]. Polyhedron, 2004, 23, 1235-1242.	1.0	33
56	Chiral supramolecular metal-organic architectures from dinuclear copper complexes. Polyhedron, 2009, 28, 630-636.	1.0	33
57	Polyoxometalate Supported Transition Metal Complexes: Synthesis, Crystal Structures, and Supramolecular Chemistry. Crystal Growth and Design, 2010, 10, 4272-4284.	1.4	33
58	Inclusion of a Cu2+Ion by a Large-Cavity Crown Ether Dibenzo-24-Crown-8 through Supramolecular Interactionsâ€. Inorganic Chemistry, 2005, 44, 7313-7315.	1.9	32
59	Synthesis, characterization and magnetism of metalâ€“organic compounds: role of the positions of the coordinating groups of a meso-flexible ligand in placing anisotropy to exhibit spin-canting behaviour. Dalton Transactions, 2015, 44, 2852-2864.	1.6	32
60	Synthesis, structural characterization and properties of one-dimensional coordination polymers of cobalt(II)- and nickel(II)-phosphonate complexes with 2,2â€²-bipyridine as a secondary ligand component: Observation of both cis and trans conformations of a diphosphonic acid. Polyhedron, 2010, 29, 2985-2990.	1.0	31
61	Synthesis, Structural Characterization, and Magnetic Properties of a New Series of Coordination Polymers: Importance of Steric Hindrance at the Coordination Sphere. Crystal Growth and Design, 2012, 12, 4607-4623.	1.4	31
62	Spectral, thermal, structural, optical and antimicrobial activity studies on 2-methylimidazolinium picrate â€“ An organic charge transfer complex. Journal of Molecular Structure, 2013, 1045, 112-123.	1.8	31
63	First structurally characterized optically active mononuclear Mn(iv) complex: synthesis, crystal structure and properties of [MnivL2] {H2Lâ€‰=â€‰S-(â¯)-2-[(2-hydroxy-1-phenylethylimino)methyl]phenol}. New Journal of Chemistry, 2004, 28, 735-739.	1.4	30
64	Induction of apoptosis in A431 skin cancer cells by Cissus quadrangularis Linn stem extract by altering Baxâ€“Bcl-2 ratio, release of cytochrome c from mitochondria and PARP cleavage. Food and Function, 2013, 4, 338-346.	2.1	30
65	Structural library of coordination polymers based on flexible linkers exploiting the role of linker coordination angle: synthesis, structural characterization and magnetic properties. CrystEngComm, 2014, 16, 4816-4833.	1.3	29
66	A Functional Zn(II) Metallacycle Formed from an N-Heterocyclic Carbene Precursor: A Molecular Sensor for Selective Recognition of Fe³⁺ and IO₄^{â€“} Ions. Inorganic Chemistry, 2017, 56, 5017-5025.	1.9	29
67	A Mononuclear Co^{II} Coordination Complex Locked in a Confined Space and Acting as an Electrochemical Waterâ€Oxidation Catalyst: A â€œShipâ€inâ€aâ€Bottleâ€•Approach. Angewandte Chemie, 2016, 128, 2471-2476.	1.8	28
68	Inhibition patterns of a model complex mimicking the reductive half-reaction of sulphite oxidase. Biochemical Journal, 1996, 319, 953-959.	1.7	27
69	Oxidizing Properties of Zeolite-Encapsulated Oxobis(2,2â€˜-bipyridine)ruthenium(IV) Complexes Formed by Air Oxidation of Bis(2,2â€˜-bipyridine)aquaruthenium(II). Journal of the American Chemical Society, 1997, 119, 4311-4312.	6.6	27
70	A tetra-nuclear copper(II) complex stabilizes an extended structure of a water nonamer: Synthesis and characterization of [Cu4(C54H46N4O14)(OH)2] Â· 10H2O. Polyhedron, 2006, 25, 3588-3592.	1.0	27
71	Cyclometalated Iridium(III) Complexes Containing 4,4â€²-Ï€-Conjugated 2,2â€²-Bipyridine Derivatives as the Ancillary Ligands: Synthesis, Photophysics, and Computational Studies. Inorganic Chemistry, 2016, 55, 3530-3540.	1.9	27
72	Design, synthesis, and discovery of novel non-peptide inhibitor of Caspase-3 using ligand based and structure based virtual screening approach. Bioorganic and Medicinal Chemistry, 2009, 17, 6040-6047.	1.4	26

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73	Ammoniumâ€“crown ether based hostâ€“guest systems: Nâ€“Hâ‹¯O hydrogen bond directed guest inclusion featuring Nâ€“H donor functionalities in angular geometry. RSC Advances, 2012, 2, 3920.	1.7	26
74	Synthesis, structural characterization and properties of an optically active mononuclear Mn(IV) complex. Polyhedron, 2005, 24, 1410-1416.	1.0	25
75	Waterâ€“chloride interactions: Left- and right-handed aqua-chloro supramolecular helices anchored by a chiral Schiff-base nickel complex. Inorganic Chemistry Communication, 2006, 9, 899-902.	1.8	25
76	ZIFâ€8 MOF Encapsulated Coâ€porphyrin, an Efficient Electrocatalyst for Water Oxidation in a Wide pH Range: Works Better at Neutral pH. ChemCatChem, 2020, 12, 5430-5438.	1.8	25
77	Fivefold Coordination of a CuII-Aqua Ion: A Supramolecular Sandwich Consisting of Two Crown Ether Molecules and a Trigonal-Bipyramidal [Cu(H2O)5]2+ Complex. Angewandte Chemie - International Edition, 2006, 45, 245-248.	7.2	24
78	Enantiopure Mono- and Mixed-Valence Multinuclear Cobalt Complexes from Amino Alcohol Based Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 5377-5389.	1.0	23
79	Devising a Polyoxometalate-Based Functional Material as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. Inorganic Chemistry, 2021, 60, 10302-10314.	1.9	23
80	Intrazeolitic Photoreactions of Ru(bpy)33+with Methyl Viologen. Langmuir, 1998, 14, 5121-5126.	1.6	22
81	Supramolecular assembly based on a heteropolyanion: Synthesis and crystal structure of Na3(H2O)6[Al(OH)6Mo6O18]Â·2H2O. Journal of Chemical Sciences, 2005, 117, 227-233.	0.7	22
82	Chiral Synthesis of a Mononuclear Nickel(II) Complex Formed from an Achiral Tripodal Amine Ligand: Spontaneous Resolution. Inorganic Chemistry, 2009, 48, 1802-1804.	1.9	22
83	Synthesis, crystal structure and electrocatalysis of 1,2-ene dithiolate bridged diiron carbonyl complexes in relevance to the active site of [FeFe]-hydrogenases. Journal of Organometallic Chemistry, 2012, 706-707, 37-45.	0.8	22
84	Dimensionality of coordination polymers decided by the type of hybridization of the central carbon atom of the solvent molecule that coordinates to an alkali metal cation: from discrete to 3D networks based on a gold(iii) bis(dithiolene) complex. CrystEngComm, 2010, 12, 3409.	1.3	21
85	Bringing an important macrocycle into a polyoxometalate matrix: synthesis, crystal structure, spectroscopy and electrochemistry of [CoIII(transdiene)(Cl)2]2[Mo6O19], [NiII(transdiene)][W6O19]Â·DMSOÂ·DCM and [ZnII(transdsiene)(Cl)]2[W6O19]. Dalton Transactions, 2011, 40, 2954.	1.6	21
86	Formation of Phenol from Benzene Catalyzed by Polymer-Bound break Vanadyl Acetylacetonate. Journal of Catalysis, 1997, 166, 108-110.	3.1	20
87	Microstructural characterization of controlled forged HSLA-80 steel by transmission electron microscopy. Materials Characterization, 2003, 50, 305-315.	1.9	20
88	Synthesis and characterization of a chiral dimeric copper(II) complex: Crystal structure of [Cu2(Î¼-Cl)2(HL)2]Â·H2O(H2L = S-(â^')-2-[(2-hydroxy-1-phenyl-ethylimino)-methyl]-phenol). Journal of Chemical Sciences, 2005, 117, 133-137.	0.7	20
89	A Chiral Copper Complex Forms Supramolecular Homochiral Helices viaO-HÂ·Â·Â·Cl-Cu Interactions. European Journal of Inorganic Chemistry, 2005, 2005, 3405-3408.	1.0	20
90	Hydrogen bonded supramolecular network in a simple organicâ€“inorganic salt: hydrophilic gallery formed between two hydrophobic layers in the crystal structure of [C6H9N2]ClO4Â·H2O. CrystEngComm, 2005, 7, 167-170.	1.3	20

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91	A Water Pipe Held Up by a Polyoxometalate Supported Transition Metal Complex: Synthesis and Characterization of [Cu2(phen)2(CH3COO)(CH3COOH)(H2O)2][Al(OH)6Mo6O18]Â·28H2O. European Journal of Inorganic Chemistry, 2007, 2007, 231-234.	1.0	20
92	Electrochemical Water Oxidation Catalyzed by an In Situ Generated Î±â€Co(OH)₂ Film on Zeoliteâ€Y Surface. Chemistry - A European Journal, 2017, 23, 8051-8057.	1.7	20
93	Thermo-economic optimization of a biogas-diesel dual fuel engine as remote power generating unit using response surface methodology. Thermal Science and Engineering Progress, 2021, 24, 100935.	1.3	20
94	CO2 fixation by [WIVO(S2C2(CN)2)2]2â˜: functional model for the tungsten-formate dehydrogenase ofClostridium thermoaceticum. Journal of Chemical Sciences, 1992, 104, 533-534.	0.7	20
95	Fabricating a Functionalized Polyoxometalate with ZIF-8: A Composite Material for Water Oxidation in a Wide pH Range. Chemistry of Materials, 2022, 34, 3624-3636.	3.2	20
96	Neutral coordination polymers based on a metalâ€“mono(dithiolene) complex: synthesis, crystal structure and supramolecular chemistry of [Zn(dmit)(4,4â€²-bpy)]n, [Zn(dmit)(4,4â€²-bpe)]n and		

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109	The first one-dimensional heteropoly tungstovanadate coordination polymer: [(VVO4)WVI8M4O36(VIVO)2]nâ¯ (M=0.71VIV+0.29WVI, n=4.68). Inorganic Chemistry Communication, 2002, 5, 996-999.	1.8	16
110	Reversible nitroâ€“nitrito inter-conversion in a simple mono-nuclear nickel(II) complex [NiII{C6H4(NH2)2}2(NO2)2] in the solid state. Inorganic Chemistry Communication, 2009, 12, 364-367.	1.8	16
111	Spectral, crystal structure, thermal and antimicrobial characterisation of an organic charge transfer complex-3,5-dimethylpyrrazolinium picrate. Journal of Molecular Structure, 2013, 1035, 483-492.	1.8	16
112	Synthesis, structural characterization and properties of new N-heterocyclic carbene Ag(I) complexes. Journal of Molecular Structure, 2013, 1053, 38-47.	1.8	16
113	A copperâ€“cyclen coordination complex associated with a polyoxometalate anion: Synthesis, crystal structure and electrochemistry of [Cu(cyclen)(MeCN)][W6O19]. Inorganic Chemistry Communication, 2010, 13, 1114-1117.	1.8	15
114	Synthesis, molecular structure and supramolecular chemistry of a new nickel-quinoxaline dithiolate system [Bu4N]2[Ni(6,7-qdt)2] (6,7-qdt=quinoxaline-6,7-dithiolate) and comparison of its electronic and electrochemical properties with those of [Bu4N]2[Ni(qdt)2] (qdt=quinoxaline-2,3-dithiolate). Inorganic Chemistry Communication, 2011, 14, 809-813.	1.8	15
115	Synthesis of new intramolecular charge transfer Aâ€“Dâ€“A tetrathiafulvalene-fused triads exhibiting large solvent sensitive emission behavior. Tetrahedron Letters, 2011, 52, 2496-2500.	0.7	15
116	Cobalt based functional inorganic materials: Electrocatalytic water oxidation. Journal of Chemical Sciences, 2018, 130, 1.	0.7	15
117	Efficient homogeneous electrocatalytic hydrogen evolution using a Ni-containing polyoxometalate catalyst. Chemical Communications, 2021, 57, 9910-9913.	2.2	15
118	Synthesis and structural characterization of a carboxylate bridged tetranuclear copper complex derived from reduced Schiff base asymmetric compartmental ligand containing an amino acid side arm. Inorganic Chemistry Communication, 2006, 9, 1071-1074.	1.8	14
119	Diversities of Coordination Geometry Around the Cu²⁺ Center in Bis(maleonitriledithiolato)metalate Complex Anions: Geometry Controlled by Varying the Alkyl Chain Length of Imidazolium Cations. Crystal Growth and Design, 2012, 12, 3684-3699.	1.4	14
120	Influence of the Substituents on the Electronic and Electrochemical Properties of a New Square-Planar Nickel-Bis(quinoxaline-6,7-dithiolate) System: Synthesis, Spectroscopy, Electrochemistry, Crystallography, and Theoretical Investigation. Inorganic Chemistry, 2013, 52, 66-76.	1.9	14
121	Reversible solid to solid transformation in a crystalline state gasâ€“solid reaction under ambient conditions: Feâ€“N(pyridine) bond formation at the expense of Feâ€“OH₂bond breaking and vice versa. CrystEngComm, 2015, 17, 8850-8857.	1.3	14
122	Isolation and structural characterization of 1,5-benzodiazepinium cation in an inorganicâ€“organic hybrid compound [C12H17N2]3[Bi2Cl9]Â·2EtOH. Polyhedron, 2010, 29, 1706-1714.	1.0	13
123	Polyoxometalate associated ion-pair solid based on a crown ether inclusion complex: Synthesis, structure and spectroscopy. Journal of Molecular Structure, 2010, 981, 34-39.	1.8	13
124	Synthesis and photo-physical properties of methoxy-substituted Ï€-conjugated-2,2â€²-bipyridines. Tetrahedron Letters, 2010, 51, 1985-1988.	0.7	13
125	Solid-to-solid formation at the solidâ€“liquid interface leading to a chiral coordination polymer from an achiral monomer. Chemical Communications, 2011, 47, 2062.	2.2	13
126	1,2-Ene dithiolate bridged diiron carbonyl-phosphine and -phosphite complexes in relevance to the active site of [FeFe]-hydrogenases: Synthesis, characterization and electrocatalysis. Journal of Organometallic Chemistry, 2012, 717, 29-40.	0.8	13

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127	Chirality of a Strandberg-type heteropolyanion [S 2 Mo 5 O 23] 4â^'. Inorganic Chemistry Communication, 2004, 7, 367-369.	1.8	12
128	Synthesis and structural characterization of Lindqvist type mixed-metal cluster anion [V2W4O19]4â^' in discrete and coordination polymer compounds. Journal of Molecular Structure, 2014, 1062, 53-60.	1.8	12
129	Diverse Supramolecular Architectures Having Well-Defined Void Spaces Formed from a Pseudorotaxane Cation: Influential Role of Metal Dithiolate Coordination Complex Anions. Crystal Growth and Design, 2014, 14, 2343-2356.	1.4	12
130	Mononuclear Ru(II) Complexes of an Arene and Asymmetrically Substituted 2,2â€²-Bipyridine Ligands: Photophysics, Computation, and NLO Properties. Inorganic Chemistry, 2019, 58, 11470-11479.	1.9	12
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