

Samar K Das

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Single Crystals of $\text{H}_2\text{-MoO}_3$ -Intercalated $\{\text{Ni}(\text{H}_2\text{O})_6\}^{2+}$ and Electrocatalytic Water Reduction: Toward a Class of Molybdenum Bronzes. <i>Inorganic Chemistry</i> , 2022, 61, 3816-3820.	1.9	4
2	Coordination Polymers as Heterogeneous Catalysts for Water Splitting and CO_2 Fixation. <i>Crystal Growth and Design</i> , 2022, 22, 2043-2045.	1.4	11
3	Fabricating a Functionalized Polyoxometalate with ZIF-8: A Composite Material for Water Oxidation in a Wide pH Range. <i>Chemistry of Materials</i> , 2022, 34, 3624-3636.	3.2	20
4	W^{VI} -OH functionality on polyoxometalates for water reduction to molecular hydrogen. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3566-3577.	3.0	5
5	Carbazole-based π -conjugated 2,2'-Bipyridines, a new class of organic chromophores: Photophysical, ultrafast nonlinear optical and computational studies. <i>Dyes and Pigments</i> , 2021, 185, 108932.	2.0	17
6	Efficient homogeneous electrocatalytic hydrogen evolution using a Ni-containing polyoxometalate catalyst. <i>Chemical Communications</i> , 2021, 57, 9910-9913.	2.2	15
7	Devising a Polyoxometalate-Based Functional Material as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. <i>Inorganic Chemistry</i> , 2021, 60, 10302-10314.	1.9	23
8	Exploring the efficiency and pollutant emission of a dual fuel CI engine using biodiesel and producer gas: An optimization approach using response surface methodology. <i>Science of the Total Environment</i> , 2021, 773, 145633.	3.9	36
9	Polyoxometalate based hybrid compound as a pre-catalyst for electrocatalytic water reduction at neutral pH. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	0.7	2
10	Thermo-economic optimization of a biogas-diesel dual fuel engine as remote power generating unit using response surface methodology. <i>Thermal Science and Engineering Progress</i> , 2021, 24, 100935.	1.3	20
11	Nanoblackberries of $\{\text{W}_{72}\text{Fe}_{33}\}$ and $\{\text{Mo}_{72}\text{Fe}_{30}\}$: Electrocatalytic Water Reduction. <i>Inorganic Chemistry</i> , 2021, 60, 15569-15582.	1.9	7
12	Tuning the electrochemical and catalytic ORR performance of C_{60} by its encapsulation in ZIF-8: a solid-state analogue of dilute fullerene solution. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7654-7665.	3.2	9
13	Efficient Electrocatalytic Water Oxidation by $\text{Fe}(\text{salen})$ -MOF Composite: Effect of Modified Microenvironment. <i>Inorganic Chemistry</i> , 2020, 59, 472-483.	1.9	42
14	Evolution of metal organic frameworks as electrocatalysts for water oxidation. <i>Chemical Communications</i> , 2020, 56, 11735-11748.	2.2	35
15	Serendipitous isolation of a triazinone-based air stable organic radical: synthesis, crystal structure, and computation. <i>New Journal of Chemistry</i> , 2020, 44, 10781-10785.	1.4	2
16	ZIF-8 MOF Encapsulated Co -porphyrin, an Efficient Electrocatalyst for Water Oxidation in a Wide pH Range: Works Better at Neutral pH. <i>ChemCatChem</i> , 2020, 12, 5430-5438.	1.8	25
17	Fabricating a MOF Material with Polybenzimidazole into an Efficient Proton Exchange Membrane. <i>ACS Applied Energy Materials</i> , 2020, 3, 7964-7977.	2.5	98
18	Supramolecular inorganic chemistry leading to functional materials. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	4

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19	A polyoxometalate supported copper dimeric complex: Synthesis, structure and electrocatalysis. <i>Inorganica Chimica Acta</i> , 2020, 506, 119554.	1.2	7
20	Mononuclear Ru(II) Complexes of an Arene and Asymmetrically Substituted 2,2'-Bipyridine Ligands: Photophysics, Computation, and NLO Properties. <i>Inorganic Chemistry</i> , 2019, 58, 11470-11479.	1.9	12
21	A Two-Dimensional Metal-Organic-Framework Formed From a Cobalt(II) Ion and a Bifunctional Ligand Exhibiting Thermochromic Behavior. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	6
22	Carbonate encapsulation from dissolved atmospheric CO ₂ into a polyoxovanadate capsule. <i>Dalton Transactions</i> , 2019, 48, 8773-8781.	1.6	11
23	A fully reduced {VIV18O42} host and VO4 ³⁻ , Cl ⁻ as guest anions: synthesis, characterization and proton conductivity. <i>New Journal of Chemistry</i> , 2019, 43, 17670-17679.	1.4	11
24	Anderson polyoxometalate supported Cu(H ₂ O)(phen) complex as an electrocatalyst for hydrogen evolution reaction in neutral medium. <i>Polyhedron</i> , 2019, 172, 80-86.	1.0	7
25	Designing UiO-66-Based Superprotonic Conductor with the Highest Metal-Organic Framework Based Proton Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13423-13432.	4.0	173
26	A quantitative transmetalation with a metal organic framework compound in a solid-liquid interface reaction: synthesis, structure, kinetics, spectroscopy and electrochemistry. <i>CrystEngComm</i> , 2019, 21, 2438-2446.	1.3	5
27	Functional Coordination Polymers from a Bifunctional Ligand: A Quantitative Transmetalation via Single Crystal to Single Crystal Transformation. <i>Crystal Growth and Design</i> , 2019, 19, 1155-1166.	1.4	18
28	Coordination polymers from dithiolato complexes and alkali metal cations: How a crystallizing and coordinating solvent influences the dimensionality. <i>Inorganica Chimica Acta</i> , 2019, 486, 412-424.	1.2	8
29	A Keggin Polyoxometalate Shows Water Oxidation Activity at Neutral pH: POM@ZIF-8, an Efficient and Robust Electrocatalyst. <i>Angewandte Chemie</i> , 2018, 130, 1936-1941.	1.6	47
30	A gas-liquid interface synthesis in polyoxometalate chemistry: potential bag filter for volatile organic amines. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	0.7	3
31	Functional Molecular System of Bis(pyrazolyl)pyridine Derivatives: Photophysics, Spectroscopy, Computation, and Ion Sensing. <i>ACS Omega</i> , 2018, 3, 3022-3035.	1.6	11
32	A Keggin Polyoxometalate Shows Water Oxidation Activity at Neutral pH: POM@ZIF-8, an Efficient and Robust Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1918-1923.	7.2	145
33	A Versatile Polyoxovanadate in Diverse Cation Matrices: A Supramolecular Perspective. <i>Frontiers in Chemistry</i> , 2018, 6, 469.	1.8	7
34	Metallo-macrocycles from a library of flexible linkers: 1D cobalt(II) coordination polymers and a supramolecular pipe. <i>Polyhedron</i> , 2018, 151, 394-400.	1.0	0
35	Polyoxometalate-Supported Bis(2,2'-bipyridine)mono(aqua)nickel(II) Coordination Complex: an Efficient Electrocatalyst for Water Oxidation. <i>Inorganic Chemistry</i> , 2018, 57, 6479-6490.	1.9	50
36	Cobalt based functional inorganic materials: Electrocatalytic water oxidation. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	0.7	15

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37	A planar anthracene-imidazolium/anthracene-benzimidazolium cation system in a spherical polyoxometalate matrix: Synthesis, crystallography and spectroscopy. <i>Polyhedron</i> , 2017, 127, 68-83.	1.0	6
38	An Organic Receptor Isolated in an Unusual Intermediate Conformation: Computation, Crystallography, and Hirshfeld Surface Analysis. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3274-3286.	1.1	0
39	A Functional Zn(II) Metallacycle Formed from an N-Heterocyclic Carbene Precursor: A Molecular Sensor for Selective Recognition of Fe ³⁺ and IO ₄ ⁻ Ions. <i>Inorganic Chemistry</i> , 2017, 56, 5017-5025.	1.9	29
40	Electrochemical Water Oxidation Catalyzed by an In Situ Generated $\text{Co}(\text{OH})_2$ Film on Zeolite Surface. <i>Chemistry - A European Journal</i> , 2017, 23, 8051-8057.	1.7	20
41	Organic free decavanadate based materials: Inorganic linkers to obtain extended structures. <i>Journal of Molecular Structure</i> , 2017, 1146, 23-31.	1.8	10
42	“Ionic crystals” consisting of trinuclear macrocations and polyoxometalate anions exhibiting single crystal to single crystal transformation: breathing of crystals. <i>Journal of Chemical Sciences</i> , 2017, 129, 1121-1142.	0.7	4
43	Coordination frameworks containing compounds as catalysts. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 202-233.	3.0	36
44	A Mononuclear Co ^{II} Coordination Complex Locked in a Confined Space and Acting as an Electrochemical Water Oxidation Catalyst: A “Ship in a Bottle” Approach. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2425-2430.	7.2	107
45	A Mononuclear Co ^{II} Coordination Complex Locked in a Confined Space and Acting as an Electrochemical Water Oxidation Catalyst: A “Ship in a Bottle” Approach. <i>Angewandte Chemie</i> , 2016, 128, 2471-2476.		28
46	Isolation of Blackberry-Shaped Nanoparticles of a Giant {Mo ₇₂ Fe ₃₀ } Cluster and Their Transformation to a Crystalline Nanoferric Molybdate. <i>Inorganic Chemistry</i> , 2016, 55, 12504-12507.	1.9	11
47	A {Cu ₄ I ₄ } Cluster Supported on a Metal-Dithiolato Complex Anion Causes its Conformational Change Leading to a Doubly-Bridged Curved Coordination Polymer and its Reactivity with a Diamine Resulting in the Emergence of a [M(diamine)(dithiolate)] System. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4257-4264.	1.0	3
48	Cyclometalated Iridium(III) Complexes Containing 4,4'-Conjugated 2,2'-Bipyridine Derivatives as the Ancillary Ligands: Synthesis, Photophysics, and Computational Studies. <i>Inorganic Chemistry</i> , 2016, 55, 3530-3540.	1.9	27
49	Bis(quinoxaline-dithiolato)nickel(III) Complexes [Bu ₄ N][Ni(III)(6,7-qdt) ₂] and [Ph ₄ P][Ni(III)(Ph ₂ ,7-qdt) ₂].CHCl ₃ (6,7-qdt = Quinoxaline-6,7-dithiolate; Ph ₂ ,7-qdt =) <i>Journal of Inorganic Chemistry</i> , 2015, 2015, 5523-5533.	1.0	3
50	Reversible solid to solid transformation in a crystalline state gas-solid reaction under ambient conditions: Fe-N(pyridine) bond formation at the expense of Fe-OH ₂ bond breaking and vice versa. <i>CrystEngComm</i> , 2015, 17, 8850-8857.	1.3	14
51	Perceptive Approach in Assessing Rigidity versus Flexibility in the Construction of Diverse Metal-Organic Coordination Networks: Synthesis, Structure, and Magnetism. <i>Crystal Growth and Design</i> , 2015, 15, 1407-1421.	1.4	42
52	Mechanical motion in the solid state and molecular recognition: reversible cis-trans transformation of an organic receptor in a solid-liquid crystalline state reaction triggered by anion exchange. <i>CrystEngComm</i> , 2015, 17, 3219-3223.	1.3	8
53	Modeling the active site of [FeFe]-hydrogenase: Electro-catalytic hydrogen evolution from acetic acid catalysed by [Fe ₂ (L)(CO) ₆] and [Fe ₂ (L)(CO) ₅ (PPh ₃)] (L=pyrazine-2,3-dithiolate,) <i>Journal of Inorganic Chemistry</i> , 2015, 2015, 5523-5533.	0.7	5
54	Synthesis, characterization and magnetism of metal-organic compounds: role of the positions of the coordinating groups of a meso-flexible ligand in placing anisotropy to exhibit spin-canting behaviour. <i>Dalton Transactions</i> , 2015, 44, 2852-2864.	1.6	32

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55	Significant Role of Supramolecular Interactions on Conformational Modulation of Flexible Organic Cation Receptors in a Metal-Bis(dithiolate) Coordination Complex Matrix. <i>Crystal Growth and Design</i> , 2015, 15, 4459-4474.	1.4	5
56	Asymmetrically Substituted and π -Conjugated 2,2'-Bipyridine Derivatives: Synthesis, Spectroscopy, Computation, and Crystallography. <i>Journal of Organic Chemistry</i> , 2015, 80, 12482-12491.	1.7	17
57	Polyoxometalate coordinated transition metal complexes as catalysts: Oxidation of styrene to benzaldehyde/benzoic acid. <i>Journal of Chemical Sciences</i> , 2014, 126, 1641-1645.	0.7	10
58	5-Hydroxy-2-nitrobenzaldehyde thiosemicarbazone (HNBATSC). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o846-o846.	0.2	1
59	Synthesis and structural characterization of Lindqvist type mixed-metal cluster anion $[V_2W_4O_{19}]^{4-}$ in discrete and coordination polymer compounds. <i>Journal of Molecular Structure</i> , 2014, 1062, 53-60.	1.8	12
60	Diverse Supramolecular Architectures Having Well-Defined Void Spaces Formed from a Pseudorotaxane Cation: Influential Role of Metal Dithiolate Coordination Complex Anions. <i>Crystal Growth and Design</i> , 2014, 14, 2343-2356.	1.4	12
61	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. <i>Crystal Growth and Design</i> , 2014, 14, 278-289.	1.4	48
62	Supramolecular interactions mediated conformational modulation of flexible linker leading to the isolation of a metallo-macrocyclic in a polyoxometalate matrix: Hirshfeld surfaces and 2D fingerprint plots. <i>CrystEngComm</i> , 2014, 16, 10300-10308.	1.3	10
63	Coordination of lanthanide cation to an Anderson type polyoxometalate anion leads to isomorphous metal-oxide based one-dimensional inorganic solids: Synthesis, crystal structure and spectroscopy. <i>Journal of Chemical Sciences</i> , 2014, 126, 1525-1533.	0.7	7
64	Structural library of coordination polymers based on flexible linkers exploiting the role of linker coordination angle: synthesis, structural characterization and magnetic properties. <i>CrystEngComm</i> , 2014, 16, 4816-4833.	1.3	29
65	Decavanadate-based discrete compound and coordination polymer: Synthesis, crystal structures, spectroscopy and nano-materials. <i>Polyhedron</i> , 2014, 81, 147-153.	1.0	9
66	Spectral, crystal structure, thermal and antimicrobial characterisation of an organic charge transfer complex-3,5-dimethylpyrrolinium picrate. <i>Journal of Molecular Structure</i> , 2013, 1035, 483-492.	1.8	16
67	Synthesis, structural characterization and properties of new N-heterocyclic carbene Ag(I) complexes. <i>Journal of Molecular Structure</i> , 2013, 1053, 38-47.	1.8	16
68	Synthesis, structural, thermal and nonlinear optical characterization of benzotriazolium picrate crystals. <i>Optik</i> , 2013, 124, 1966-1970.	1.4	18
69	Influence of biphenyl spacer appended to the flexible phosphonate arms in modulating the dimensionality of the coordination polymers: Synthesis, structural chemistry and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2013, 197, 499-507.	1.4	10
70	Influence of the Substituents on the Electronic and Electrochemical Properties of a New Square-Planar Nickel-Bis(quinoline-6,7-dithiolate) System: Synthesis, Spectroscopy, Electrochemistry, Crystallography, and Theoretical Investigation. <i>Inorganic Chemistry</i> , 2013, 52, 66-76.	1.9	14
71	Fate of a Giant $\{Mo_72Fe_{30}\}$ -Type Polyoxometalate Cluster in an Aqueous Solution at Higher Temperature: Understanding Related Keplerate Chemistry, from Molecule to Material. <i>Inorganic Chemistry</i> , 2013, 52, 9708-9710.	1.9	17
72	Coordination and supramolecular aspects of the metal complexes of chiral N-salicyl- β -amino alcohol Schiff base ligands: Towards understanding the roles of weak interactions in their catalytic reactions. <i>Coordination Chemistry Reviews</i> , 2013, 257, 1699-1715.	9.5	96

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91	Solid-to-solid formation at the solid-liquid interface leading to a chiral coordination polymer from an achiral monomer. <i>Chemical Communications</i> , 2011, 47, 2062.	2.2	13
92	Neutral coordination polymers based on a metal-mono(dithiolene) complex: synthesis, crystal structure and supramolecular chemistry of $[Zn(dmit)(4,4\text{-bpy})]_n$, $[Zn(dmit)(4,4\text{-bpe})]_n$ and		

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109	Polyoxometalate associated ion-pair solid based on a crown ether inclusion complex: Synthesis, structure and spectroscopy. <i>Journal of Molecular Structure</i> , 2010, 981, 34-39.	1.8	13
110	Synthesis and photo-physical properties of methoxy-substituted π -conjugated-2,2'-bipyridines. <i>Tetrahedron Letters</i> , 2010, 51, 1985-1988.	0.7	13
111	Donor-acceptor amphiphilic 2,2'-bipyridine chromophores: synthesis, linear optical, and thermal properties. <i>Tetrahedron Letters</i> , 2010, 51, 6906-6910.	0.7	7
112	A copper-cyclen coordination complex associated with a polyoxometalate anion: Synthesis, crystal structure and electrochemistry of [Cu(cyclen)(MeCN)] ⁺ [W6O19] ⁻ . <i>Inorganic Chemistry Communication</i> , 2010, 13, 1114-1117.	1.8	15
113	2-Aminoanilinium 2-chloroacetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1945-o1945.	0.2	4
114	Supramolecular Architectures from Ammonium-Crown Ether Inclusion Complexes in Polyoxometalate Association: Synthesis, Structure, and Spectroscopy. <i>Crystal Growth and Design</i> , 2010, 10, 3149-3163.	1.4	43
115	Polyoxometalate Supported Transition Metal Complexes: Synthesis, Crystal Structures, and Supramolecular Chemistry. <i>Crystal Growth and Design</i> , 2010, 10, 4272-4284.	1.4	33
116	A simple coordination complex exhibiting colour change on slight structural modification: Synthesis and crystal structures of violet and yellow forms of [NiII(opda)2(NCS)2] (opda =) Tj ETQq0 0 0 rgBT /Overlock 10 T650 457 Td (orthoph	1.5	13
117	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. <i>CrystEngComm</i> , 2010, 12, 3409.	1.3	21
118	Chiral supramolecular metal-organic architectures from dinuclear copper complexes. <i>Polyhedron</i> , 2009, 28, 630-636.	1.0	33
119	A nitrogen rich Ni(II)-dithiolate system exhibiting acid-base behavior: Synthesis, supramolecular structure and spectroscopy of [Bu4N]2[NiII(ppdt)2] (ppdt=pyrido[2,3-b]pyrazine-2,3-dithiolate). <i>Inorganic Chemistry Communication</i> , 2009, 12, 355-358.	1.8	10
120	Reversible nitro-nitrito inter-conversion in a simple mono-nuclear nickel(II) complex [NiII{C6H4(NH2)2}2(NO2)2] in the solid state. <i>Inorganic Chemistry Communication</i> , 2009, 12, 364-367.	1.8	16
121	Design, synthesis, and discovery of novel non-peptide inhibitor of Caspase-3 using ligand based and structure based virtual screening approach. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6040-6047.	1.4	26
122	Chiral Synthesis of a Mononuclear Nickel(II) Complex Formed from an Achiral Tripodal Amine Ligand: Spontaneous Resolution. <i>Inorganic Chemistry</i> , 2009, 48, 1802-1804.	1.9	22
123	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]2[As₈V₁₄O₄₂(SO₃)] ⁿ ·8H₂O (Ln = La³⁺, Sm³⁺, and Ce³⁺). <i>Inorganic Chemistry</i> , 2009, 48, 496-507.	1.9	51
124	Two different zinc(II)-aqua complexes held up by a metal-oxide based support: Synthesis, crystal structure and catalytic activity of [HMTAH]2[Zn(H2O)5]{Zn(H2O)4}{Mo7O24}]·2H2O (HMTAH =) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	13
125	Non-covalent O···O interactions among isopolyanions using a cis-{MoO2} moiety by the assistance of N-H···O hydrogen bonds. <i>Journal of Chemical Sciences</i> , 2008, 120, 297-304.	0.7	5
126	Identification of ONO···ONO interactions among inorganic coordination complex molecules in the crystal lattice of a chiral Mn(IV) compound. <i>Inorganic Chemistry Communication</i> , 2008, 11, 89-93.	1.8	18

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127	Stabilization of a New Type of Water Octamer in the Crystalline Hydrate of an Inorganic/Organic Hybrid Material: Synthesis and Characterization of $[\{Cu(phen)(H_2O)_2\}_2(Mo_8O_{26})] \cdot 8H_2O$. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2008, 38, 12-17.	0.6	6
128	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
129	Reversible Single Crystal to Single Crystal Transformation through Fe ^{III} O(H)Me/Fe ^{III} OH ₂ Bond Formation/Bond Breaking in a Gas/Solid Reaction at an Ambient Condition. Journal of the American Chemical Society, 2007, 129, 3464-3465.	6.6	99
130	A Water Pipe Held Up by a Polyoxometalate Supported Transition Metal Complex: Synthesis and Characterization of $[Cu_2(phen)_2(CH_3COO)(CH_3COOH)(H_2O)_2][Al(OH)_6Mo_6O_{18}] \cdot 28H_2O$. European Journal of Inorganic Chemistry, 2007, 2007, 231-234.	1.0	20
131	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
132	A New Approach to Functionalize an Organic Compound through the Influence of Metal Bis(dithiolene) Complexes Leading to Ion-Pair Compounds Exhibiting Strong Emission at Room Temperature in the Visible Region. Inorganic Chemistry, 2006, 45, 10037-10039.	1.9	9
133	Sulfate anion helices formed by the assistance of a flip-flop water chain. Chemical Communications, 2006, , 2762.	2.2	34
134	Water-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
135	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
136	A tetra-nuclear copper(II) complex stabilizes an extended structure of a water nonamer: Synthesis and characterization of $[Cu_4(C_5H_4N_4O_{14})(OH)_2] \cdot 10H_2O$. Polyhedron, 2006, 25, 3588-3592.	1.0	27
137	One-pot synthesis of an Mn(III)-Cu(II)-Mn(III) trinuclear heterometallic compound formed by Mn-S-Cu-S-Mn supramolecular interactions: Crystal structure of $[Mn^{III}(salph)(H_2O)_2Cu^{II}(mnt)_2] \cdot 4DMF$. Journal of Chemical Sciences, 2006, 118, 611-617.	0.7	1
138	A chiral Mn(IV) complex and its supramolecular assembly: Synthesis, characterization and properties. Journal of Chemical Sciences, 2006, 118, 311-317.	0.7	11
139	Fivefold Coordination of a CuII-Aqua Ion: A Supramolecular Sandwich Consisting of Two Crown Ether Molecules and a Trigonal-Bipyramidal $[Cu(H_2O)_5]^{2+}$ Complex. Angewandte Chemie - International Edition, 2006, 45, 245-248.	7.2	24
140	N-H...S Hydrogen Bonds in a New Family of Ion-Pair Complexes Between Cationic Nickel Tetraazabicyclononane and Anionic Metal Dithiolates: Synthesis, Characterization and Properties of $[Ni(C_9H_{22}N_6)][M(mnt)_2](MII = Cu, Ni, Pd)$. European Journal of Inorganic Chemistry, 2006, 2006, 1505-1514.	1.0	18
141	Synthesis and characterization of a chiral dimeric copper(II) complex: Crystal structure of $[Cu_2(\{1/4-Cl\}_2(HL)_2) \cdot H_2O(H_2L = S-(\hat{\alpha})-2-[(2-hydroxy-1-phenyl-ethylimino)-methyl]-phenol)$. Journal of Chemical Sciences, 2005, 117, 133-137.	0.7	20
142	Variation in the reaction zone and its effects on the strength of diffusion bonded titanium-stainless steel couple. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 390, 217-226.	2.6	58
143	Synthesis, structural characterization and properties of an optically active mononuclear Mn(IV) complex. Polyhedron, 2005, 24, 1410-1416.	1.0	25
144	Cold rolling behaviour and textural evolution in AISI 316L austenitic stainless steel. Acta Materialia, 2005, 53, 3951-3959.	3.8	116

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145	Supramolecular π - π assembly of a neutral [Cu(salen)] complex via the templating effect of an ionic inorganic complex Na ₂ [Cu(mnt) ₂] forming a framework type material having well-defined channels. <i>Inorganic Chemistry Communication</i> , 2005, 8, 1097-1100.	1.8	4
146	A New Type of Supramolecular Assembly by Hydrogen Bond Templating: Identification of Rare Monodentate Acetate Coordination in [Fe ₃ (μ -3-O)(μ -2-CH ₃ COO) ₆ (H ₂ O) ₂ (CH ₃ COO)] \cdot TlO ₄ (T =) <i>Inorganic Chemistry</i> , 2005, 2005, 357-363.	1.0	8
147	A Chiral Copper Complex Forms Supramolecular Homochiral Helices via O-H \cdots Cl-Cu Interactions. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3405-3408.	1.0	20
148	Supramolecular Assembly Based on a Heteropolyanion: Synthesis and Crystal Structure of Na ₃ (H ₂ O) ₆ [Al(OH) ₆ Mo ₆ O ₁₈] \cdot 2H ₂ O. <i>ChemInform</i> , 2005, 36, no.	0.1	0
149	Supramolecular assembly based on a heteropolyanion: Synthesis and crystal structure of Na ₃ (H ₂ O) ₆ [Al(OH) ₆ Mo ₆ O ₁₈] \cdot 2H ₂ O. <i>Journal of Chemical Sciences</i> , 2005, 117, 227-233.	0.7	22
150	Ultrahigh strength hot rolled microalloyed steel: microstructure and properties. <i>Materials Science and Technology</i> , 2005, 21, 325-333.	0.8	17
151	Hydrogen bonded supramolecular network in a simple organic-inorganic salt: hydrophilic gallery formed between two hydrophobic layers in the crystal structure of [C ₆ H ₉ N ₂] \cdot ClO ₄ \cdot H ₂ O. <i>CrystEngComm</i> , 2005, 7, 167-170.	1.3	20
152	Inclusion of a Cu ²⁺ Ion by a Large-Cavity Crown Ether Dibenzo-24-Crown-8 through Supramolecular Interactions. <i>Inorganic Chemistry</i> , 2005, 44, 7313-7315.	1.9	32
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