

# Sanjit Konar

## List of Publications by Year in descending order

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143  
papers

5,836  
citations

53794

45  
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91884

69  
g-index

147  
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147  
docs citations

147  
times ranked

5222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-Specific Nucleation and Growth Kinetics in Hierarchical Nanosyntheses of Branched ZnO Crystallites. <i>Journal of the American Chemical Society</i> , 2006, 128, 10960-10968.	13.7	360
2	Highly selective detection of palladium and picric acid by a luminescent MOF: a dual functional fluorescent sensor. <i>Chemical Communications</i> , 2015, 51, 6576-6579.	4.1	232
3	Stable Multiresponsive Luminescent MOF for Colorimetric Detection of Small Molecules in Selective and Reversible Manner. <i>Chemistry of Materials</i> , 2015, 27, 5349-5360.	6.7	227
4	A Three-Dimensional Homometallic Molecular Ferrimagnet. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1561-1563.	13.8	197
5	Structural Analyses and Magnetic Properties of 3D Coordination Polymeric Networks of Nickel(II) Maleate and Manganese(II) Adipate with the Flexible 1,2-Bis(4-pyridyl)ethane Ligand. <i>Inorganic Chemistry</i> , 2003, 42, 2695-2703.	4.0	160
6	Syntheses of Two New 1D and 3D Networks of Cu(II) and Co(II) Using Malonate and Urotropine as Bridging Ligands: Crystal Structures and Magnetic Studies. <i>Inorganic Chemistry</i> , 2003, 42, 2545-2552.	4.0	153
7	KO <sup>t</sup> Bu Mediated Synthesis of Phenanthridinones and Dibenzoazepinones. <i>Organic Letters</i> , 2012, 14, 2838-2841.	4.6	142
8	Densely Packed Lanthanide Cubane Based 3D Metal-Organic Frameworks for Efficient Magnetic Refrigeration and Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2016, 55, 2085-2090.	4.0	112
9	Two Isostructural 3D Lanthanide Coordination Networks (Ln = Gd <sup>3+</sup> , Dy <sup>3+</sup> ) with Squashed Cuboid-Type Nanoscopic Cages Showing Significant Cryogenic Magnetic Refrigeration and Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2014, 53, 3926-3928.	4.0	108
10	Lanthanide-Directed Fabrication of Four Tetranuclear Quadruple Stranded Helicates Showing Magnetic Refrigeration and Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2016, 55, 5237-5244.	4.0	104
11	Oxo-, Hydroxo-, and Peroxo-Bridged Fe(III) Phosphonate Cages. <i>Journal of the American Chemical Society</i> , 2006, 128, 9604-9605.	13.7	103
12	Synthesis and Characterization of Two Lanthanide (Gd <sup>3+</sup> and Dy <sup>3+</sup> )-Based Three-Dimensional Metal Organic Frameworks with Squashed Metallomacrocyclic Type Building Blocks and Their Magnetic, Sorption, and Fluorescence Properties Study. <i>Crystal Growth and Design</i> , 2014, 14, 1287-1295.	3.0	93
13	Designing Functional Metal-Organic Frameworks by Imparting a Hexanuclear Copper-Based Secondary Building Unit Specific Properties: Structural Correlation With Magnetic and Photocatalytic Activity. <i>Crystal Growth and Design</i> , 2014, 14, 6391-6398.	3.0	87
14	Study of Proton Conductivity of a 2D Flexible MOF and a 1D Coordination Polymer at Higher Temperature. <i>Inorganic Chemistry</i> , 2015, 54, 1218-1222.	4.0	85
15	Syntheses, Structural Analyses, and Magneto-Structural Correlations of Three Polymeric Fe(II) Complexes with Azide Ligand. <i>Inorganic Chemistry</i> , 2003, 42, 5966-5973.	4.0	79
16	Nanoscope molecular magnets. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 687-712.	6.0	77
17	Synthesis and Characterization of Four Metal-Organophosphonates with One-, Two-, and Three-Dimensional Structures. <i>Inorganic Chemistry</i> , 2007, 46, 5229-5236.	4.0	75
18	Synthesis, structural analysis, and magnetic behaviour of three fumarate bridged coordination polymers: five-fold interpenetrated diamond-like net of NiII, sheets of NiII. <i>Dalton Transactions</i> , 2004, , 260-266.	3.3	74

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19	Observation of a large magnetocaloric effect in a 2D Gd(III)-based coordination polymer. Dalton Transactions, 2013, 42, 13331.	3.3	74
20	Mn(II)/Co(II)-Terephthalate Frameworks Containing Dipyridine Coligands: Syntheses, Crystal Structures, Magnetic Behaviors, and Thermal Studies. European Journal of Inorganic Chemistry, 2005, 2005, 4646-4654.	2.0	73
21	Channel-Assisted Proton Conduction Behavior in Hydroxyl-Rich Lanthanide-Based Magnetic Metal-Organic Frameworks. Inorganic Chemistry, 2017, 56, 4956-4965.	4.0	73
22	Solvothermal Synthesis and Characterization of Two High-Nuclearity Mixed-Valent Manganese Phosphonate Clusters. Inorganic Chemistry, 2008, 47, 3489-3491.	4.0	67
23	Structural and Magnetic Properties of Two Carboxylato-Bridged Manganese(II) Complexes with N-Donor Coligands. European Journal of Inorganic Chemistry, 2004, 2004, 4202-4208.	2.0	66
24	Tuning CO <sub>2</sub> Uptake and Reversible Iodine Adsorption in Two Isoreticular MOFs through Ligand Functionalization. Chemistry - an Asian Journal, 2015, 10, 653-660.	3.3	66
25	Third-Generation Breathing Metal-Organic Framework with Selective, Stepwise, Reversible, and Hysteretic Adsorption Properties. Inorganic Chemistry, 2013, 52, 12866-12868.	4.0	64
26	Probing the Effects of Ligand Field and Coordination Geometry on Magnetic Anisotropy of Pentacoordinate Cobalt(II) Single-Ion Magnets. Inorganic Chemistry, 2017, 56, 6870-6878.	4.0	63
27	Phosphonate Based High Nuclearity Magnetic Cages. Accounts of Chemical Research, 2016, 49, 1093-1103.	15.6	62
28	Magnetic refrigeration and slow magnetic relaxation in tetranuclear lanthanide cages (Ln = Gd, Dy) with in situ ligand transformation. New Journal of Chemistry, 2014, 38, 3006-3014.	2.8	59
29	Synthesis and Characterization of High Nuclearity Iron(III) Phosphonate Molecular Clusters. Inorganic Chemistry, 2008, 47, 5573-5579.	4.0	56
30	Influence of the Coordination Environment on Easy-Plane Magnetic Anisotropy of Pentagonal Bipyramidal Cobalt(II) Complexes. Inorganic Chemistry, 2018, 57, 9999-10008.	4.0	56
31	Rare Example of $\frac{1}{4}$ -Nitrito-1 <sup>2</sup> -O <sub>2</sub> Coordinating Mode in Copper(II) Nitrite Complexes with Monoanionic Tridentate Schiff Base Ligands: Structure, Magnetic, and Electrochemical Properties. Inorganic Chemistry, 2008, 47, 11611-11619.	4.0	55
32	Lanthanide based coordination polymers chill, relax under magnetic field and also fluoresce. Dalton Transactions, 2013, 42, 9813.	3.3	55
33	Synthesis, crystal structure and study of magnetocaloric effect and single molecular magnetic behaviour in discrete lanthanide complexes. Dalton Transactions, 2014, 43, 9334-9343.	3.3	55
34	Synthesis and Characterization of Two Discrete Ln <sub>10</sub> Nanoscopic Ladder-Type Cages: Magnetic Studies Reveal a Significant Cryogenic Magnetocaloric Effect and Slow Magnetic Relaxation. Chemistry - an Asian Journal, 2014, 9, 1083-1090.	3.3	50
35	Influence of the coordination environment on slow magnetic relaxation and photoluminescence behavior in two mononuclear dysprosium(III) based single molecule magnets. Dalton Transactions, 2015, 44, 5086-5094.	3.3	50
36	Crystal structure and magnetic behavior of a copper(II)-(pyrazine 2,3-dicarboxylate) coordination polymer: 3D architecture stabilized by H-bonding. Inorganica Chimica Acta, 2004, 357, 1593-1597.	2.4	49

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37	Mixed-Valent Dodecanuclear Vanadium Cluster Encapsulating Chloride Anions and Its Reaction To Form a Bowl-Shaped Cluster. <i>Inorganic Chemistry</i> , 2008, 47, 3492-3494.	4.0	49
38	A 3D Iron(II)-Based MOF with Squashed Cuboctahedral Nanoscopic Cages Showing Spin-Canted Long-Range Antiferromagnetic Ordering. <i>Inorganic Chemistry</i> , 2013, 52, 12064-12069.	4.0	48
39	High Nuclearity (Octa-, Dodeca-, and Pentadecanuclear) Metal (M = Co <sup>II</sup> , Ni <sup>II</sup> ) Phosphonate Cages: Synthesis, Structure, and Magnetic Behavior. <i>Inorganic Chemistry</i> , 2014, 53, 1606-1613.	4.0	48
40	A porous metal organic framework with a bcu-type topology involving in situ ligand formation synthesis, structure, magnetic property and gas adsorption studies. <i>CrystEngComm</i> , 2014, 16, 369-374.	2.6	48
41	3D isomorphous lanthanide coordination polymers displaying magnetic refrigeration, slow magnetic relaxation and tunable proton conduction. <i>Dalton Transactions</i> , 2018, 47, 15405-15415.	3.3	48
42	The role of 3d-4f exchange interaction in SMM behaviour and magnetic refrigeration of carbonato bridged Cull <sub>2</sub> LnIII <sub>2</sub> (Ln = Dy, Tb and Gd) complexes of an unsymmetrical N <sub>2</sub> O <sub>4</sub> donor ligand. <i>Dalton Transactions</i> , 2019, 48, 15170-15183.	3.3	48
43	A Family of Metal-Organic Frameworks Based on Carboxylates and a Neutral, Long, and Rigid Ligand: Their Structural Revelation, Magnetic, and Luminescent Property Study. <i>Crystal Growth and Design</i> , 2013, 13, 5442-5449.	3.0	47
44	Exploration of Structural Topologies in Metal-Organic Frameworks Based on 3-(4-Carboxyphenyl)propionic Acid, Their Synthesis, Sorption, and Luminescent Property Studies. <i>Crystal Growth and Design</i> , 2014, 14, 2022-2033.	3.0	46
45	Synthesis, Structural and Magnetochemical Studies of Iron Phosphonate Cages Based on {Fe <sub>3</sub> O <sub>7</sub> } <sup>+</sup> Core. <i>Inorganic Chemistry</i> , 2009, 48, 5338-5349.	4.0	45
46	Investigation of easy-plane magnetic anisotropy in P-ligand square-pyramidal Co <sup>II</sup> single ion magnets. <i>Chemical Communications</i> , 2017, 53, 5338-5341.	4.1	45
47	Field-Induced Single-Ion Magnetic Behavior of Octahedral Co <sup>II</sup> in a Two-Dimensional Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3545-3552.	2.0	44
48	Self-assembly of new three-dimensional molecular architectures of Cd(II) and Ag(I)-Na(I) using croconate as a building block. <i>Dalton Transactions</i> , 2003, , 171-175.	3.3	43
49	A copper based pillared-bilayer metal organic framework: its synthesis, sorption properties and catalytic performance. <i>Dalton Transactions</i> , 2014, 43, 7191-7199.	3.3	43
50	Synthesis and Characterization of Polyhedral-Based Metal-Organic Frameworks Using a Flexible Bipyrazole Ligand: Topological Analysis and Sorption Property Studies. <i>Crystal Growth and Design</i> , 2015, 15, 2732-2741.	3.0	41
51	Field-Induced Slow Magnetic Relaxation and Anion/Solvent Dependent Proton Conduction in Cobalt(II) Coordination Polymers. <i>Crystal Growth and Design</i> , 2018, 18, 6211-6220.	3.0	40
52	3D Heterometallic (3d-4f) coordination polymers: A ferromagnetic interaction in a Gd(III)-Cu(II) couple. <i>Polyhedron</i> , 2007, 26, 2507-2516.	2.2	39
53	Proton-Conducting Magnetic Coordination Polymers. <i>Chemistry - A European Journal</i> , 2015, 21, 13793-13801.	3.3	38
54	Study of Heterogeneous Catalysis by Iron-Squarate based 3D Metal Organic Framework for the Transformation of Tetrazines to Oxadiazole derivatives. <i>Inorganic Chemistry</i> , 2014, 53, 7071-7073.	4.0	37

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55	Two New $\frac{1}{4}$ -(1,3-Azido)-Bridged Polymers: Alternating Single and Double Bridges in a 1D Nickel(II) Complex and Uniform Bridge in a 2D Copper(II) Complex: Syntheses, Single-Crystal Structures and Magnetic Studies. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1751-1758.	2.0	36
56	Syntheses, Crystal Structures, and Magnetic Properties of Metal-Organic Hybrid Materials of Mn(II)/Co(II): Three-Fold Interpenetrated 1 $\pm$ -Polonium-like Network in One of Them. <i>Crystal Growth and Design</i> , 2014, 14, 3276-3285.	3.0	34
57	Tuning Proton Conductivity by Interstitial Guest Change in Size-Adjustable Nanopores of a Cu <sup>I</sup> -MOF: A Potential Platform for Versatile Proton Carriers. <i>Chemistry - A European Journal</i> , 2016, 22, 16277-16285.	3.3	33
58	A new series of tetrahedral Co(II) complexes [CoLX <sub>2</sub> ] (X = NCS, Cl, Br, I) manifesting single-ion magnet features. <i>Dalton Transactions</i> , 2018, 47, 3745-3754.	3.3	33
59	Synthesis, crystal structure and magneto-structural correlation of two bi-bridging 1D copper(II) chains. Electronic supplementary information (ESI) available: magnetization curve for 1 between 0 and 5 K and an EPR spectrum for 1. See <a href="http://www.rsc.org/suppdata/dt/b2/b204728b/">http://www.rsc.org/suppdata/dt/b2/b204728b/</a> . <i>Dalton Transactions RSC</i> , 2002, , 3471-3476.	2.3	32
60	Lanthanide-Based Layer-Type Two-Dimensional Coordination Polymers Featuring Slow Magnetic Relaxation, Magnetocaloric Effect and Proton Conductivity. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3702-3711.	3.3	32
61	Combination of covalent and hydrogen bonding in the formation of 3D Co(II)-fumarate networks. <i>Inorganica Chimica Acta</i> , 2003, 355, 264-271.	2.4	31
62	An Unprecedented Octadecanuclear Copper(II) Pyrazolate-Phosphonate Nanocage: Synthetic, Structural, Magnetic, and Mechanistic Study. <i>Inorganic Chemistry</i> , 2013, 52, 9717-9719.	4.0	31
63	Synthesis, characterisation, water adsorption and proton conductivity of three Cd(II) based luminescent metal-organic frameworks. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 611-620.	6.0	31
64	Quantitative Estimation of Ising-Type Magnetic Anisotropy in a Family of $C_{3v}$ -Symmetric Co <sup>II</sup> Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 12550-12558.	3.3	31
65	Sizeable Effect of Lattice Solvent on Field Induced Slow Magnetic Relaxation in Seven Coordinated Co <sup>II</sup> Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 10686-10693.	4.0	31
66	The first unequivocally ferromagnetically coupled squarato complex: origin of the ferromagnetism in an interlocked 3D Fe(II) system. <i>Chemical Communications</i> , 2003, , 1424.	4.1	29
67	Achieving Amphibious Superprotonic Conductivity in a Cu <sup>I</sup> Metal-Organic Framework by Strategic Pyrazinium Salt Impregnation. <i>Chemistry - A European Journal</i> , 2018, 24, 872-880.	3.3	28
68	A family of Fe <sup>3+</sup> -based double-stranded helicates showing a magnetocaloric effect, and Rhodamine B dye and DNA binding activities. <i>Dalton Transactions</i> , 2015, 44, 15531-15543.	3.3	27
69	Modulating the magnetic properties by structural modification in a family of Co-Ln (Ln = Gd, Dy) molecular aggregates. <i>Dalton Transactions</i> , 2014, 43, 14577-14585.	3.3	26
70	Solvent-Induced Reversible Spin-Crossover in a 3D Hofmann-Type Coordination Polymer and Unusual Enhancement of the Lattice Cooperativity at the Desolvated State. <i>Inorganic Chemistry</i> , 2020, 59, 13024-13028.	4.0	26
71	Terpyridine-Based 3D Metal-Organic Frameworks: A Structure-Property Correlation. <i>Chemistry - A European Journal</i> , 2021, 27, 5858-5870.	3.3	26
72	A 2D coordination polymer based on Co <sub>3</sub> -SBU showing spin-canting ferromagnetic behaviour. <i>RSC Advances</i> , 2013, 3, 25237.	3.6	25

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73	Selective CO <sub>2</sub> adsorption in four zinc( <i>ii</i> )-based metal organic frameworks constructed using a rigid N,N <sup>2</sup> -donor linker and various dicarboxylate ligands. <i>CrystEngComm</i> , 2016, 18, 4395-4404.	2.6	25
74	Synthesis, structure, magnetic and biological activity studies of bis-hydrazone derived Cu( <i>ii</i> ) and Co( <i>ii</i> ) coordination compounds. <i>Dalton Transactions</i> , 2016, 45, 11849-11863.	3.3	25
75	Reduced Molybdenum Oxide Based Core-Shell Hybrids: $\pi$ -Electrons Are Delocalized on the Shell. <i>Chemistry - A European Journal</i> , 2011, 17, 6635-6642.	3.3	24
76	Serendipitous Assemblies of Two Large Phosphonate Cages: A Co <sub>15</sub> Distorted Molecular Cube and a Co <sub>12</sub> Butterfly Type Core Structure. <i>Inorganic Chemistry</i> , 2013, 52, 4127-4129.	4.0	24
77	Two $\frac{1}{4}$ 1,5-dicyanamide bridged 2D and 3D metal complexes formed by covalent bonding and weak interactions. <i>Inorganica Chimica Acta</i> , 2004, 357, 4208-4214.	2.4	23
78	Tetrahedral M <sub>II</sub> based binuclear double-stranded helicates: single-ion-magnet and fluorescence behaviour. <i>Dalton Transactions</i> , 2016, 45, 4548-4557.	3.3	23
79	Effect of Ligand Field Strength on the Spin Crossover Behaviour in 5-XSalEn (X=Me, Br and OMe) Based Fe(III) Complexes. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1709-1721.	3.3	23
80	Two new NiII complexes with $\frac{1}{4}$ 1,5-dicyanamide as bridging ligand. <i>Inorganica Chimica Acta</i> , 2005, 358, 957-963.	2.4	22
81	A Copper Based Metal-Organic Framework Acts as a Bifunctional Catalyst for the Homocoupling of Arylboronic Acids and Epoxidation of Olefins. <i>Chemistry - an Asian Journal</i> , 2016, 11, 540-547.	3.3	22
82	Regulation of the pore size by shifting the coordination sites of ligands in two MOFs: enhancement of CO <sub>2</sub> uptake and selective sensing of nitrobenzene. <i>Dalton Transactions</i> , 2015, 44, 20926-20935.	3.3	21
83	Nanoporous Cu(I) Metal-Organic Framework: Selective Adsorption of Benzene and Luminescence Sensing of Nitroaromatics. <i>ChemistrySelect</i> , 2017, 2, 3200-3206.	1.5	21
84	Single-ion magnetic anisotropy in a vacant octahedral Co( <i>ii</i> ) complex. <i>Dalton Transactions</i> , 2019, 48, 25-29.	3.3	21
85	Slow relaxation of the magnetization, reversible solvent exchange and luminescence in 2D anilato-based frameworks. <i>Chemical Communications</i> , 2020, 56, 9862-9865.	4.1	21
86	Unusual Atmospheric Water Trapping and Water Induced Reversible Restacking of 2D Gallium Sulfide Layers in NaGaS <sub>2</sub> Formed by Supertetrahedral Building Unit. <i>Chemistry of Materials</i> , 2020, 32, 5589-5603.	6.7	21
87	A family of three magnetic metal organic frameworks: their synthesis, structural, magnetic and vapour adsorption study. <i>CrystEngComm</i> , 2014, 16, 4742-4752.	2.6	20
88	Investigation of the role of terminal ligands in magnetic relaxation in a series of dinuclear dysprosium complexes. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3352-3363.	6.0	20
89	Effect of Axial Ligands on Easy-Axis Anisotropy and Field-Induced Slow Magnetic Relaxation in Heptacoordinated Fe II Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 4780-4789.	3.3	20
90	Role of Framework-Carrier Interactions in Proton-Conducting Crystalline Porous Materials. <i>Crystal Growth and Design</i> , 2021, 21, 1378-1388.	3.0	20

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91	A new porous 2D coordination polymer built by copper(II) and trimesic acid. <i>Inorganica Chimica Acta</i> , 2005, 358, 29-35.	2.4	19
92	Structural determination and characterization of copper and zinc <i>bis</i> -glycinates with X-ray crystallography and mass spectrometry. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3335-3347.	2.2	19
93	Tuning the Magnetoluminescence Behavior of Lanthanide Complexes Having Sphenocorona and Cubic Coordination Geometries. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2774-2782.	2.0	19
94	Europium-Based Dinuclear Triple-Stranded Helicate vs. Tetranuclear Quadruple-Stranded Helicate: Effect of Stoichiometric Ratio on the Supramolecular Self-Assembly. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2901-2907.	2.0	18
95	Structural Adaptation of Ni <sub>4</sub> O <sub>4</sub> Units To Form Cubane, Open Dicubane, Dimeric Cubane, and One-Dimensional Polymeric Cubanes: Magnetostructural Correlation of Ni <sub>4</sub> Clusters. <i>Crystal Growth and Design</i> , 2015, 15, 4132-4141.	3.0	18
96	Exchange coupled Co(II) based layered and porous metal-organic frameworks: structural diversity, gas adsorption, and magnetic properties. <i>Dalton Transactions</i> , 2020, 49, 4012-4021.	3.3	18
97	High-temperature electron transfer coupled spin transition (ETCST) with hysteresis in a discrete [Fe <sub>2</sub> Co <sub>2</sub> ] Prussian blue analogue. <i>Chemical Communications</i> , 2021, 57, 5925-5928.	4.1	17
98	A trapped hexaaqua Co(II) complex between the polyanionic sheets of decavanadate reveals high axial anisotropy and field induced SIM behaviour. <i>Dalton Transactions</i> , 2021, 50, 3825-3831.	3.3	17
99	MOF as a syringe pump for the controlled release of iodine catalyst in the synthesis of meso-thienyl dipyrromethanes. <i>Chemical Communications</i> , 2015, 51, 15526-15529.	4.1	16
100	Above Room Temperature Spin Transition in Thermally Stable Mononuclear Fe(III) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 1134-1146.	4.0	16
101	Remarkable Energy Barrier for Magnetization Reversal in 3D and 2D Dysprosium-Chloranilate-Based Coordination Polymers. <i>Chemistry - A European Journal</i> , 2020, 26, 8774-8783.	3.3	16
102	Synthesis of a palladium based MOF via an effective post-synthetic modification approach and its catalytic activity towards Heck type coupling reactions. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 693-699.	6.0	16
103	Modulating the Slow Relaxation Dynamics of Binuclear Dysprosium(III) Complexes through Coordination Geometry. <i>Magnetochemistry</i> , 2016, 2, 35.	2.4	14
104	Zero Field SMM Behavior and Magnetic Refrigeration in Rare Heterometallic Double Stranded Helicates of Cu <sub>2</sub> Ln <sub>2</sub> (Ln = Dy, Tb, Gd). <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2429-2436.	2.0	14
105	Field Induced Single Ion Magnetic Behaviour in Square-Pyramidal Cobalt(II) Complexes with Easy-Plane Magnetic Anisotropy. <i>Magnetochemistry</i> , 2019, 5, 12.	2.4	14
106	Synthesis, crystal structure, magnetic study and magneto-structural correlation of three Cu(II) complexes formed via pyridine bis(hydrazone) based ligand. <i>RSC Advances</i> , 2014, 4, 12408.	3.6	13
107	Reversal of magnetic exchange coupling between copper(II) and Blatter radical depending on the coordination environment. <i>Inorganica Chimica Acta</i> , 2020, 503, 119395.	2.4	13
108	Magnetic Transition in Organic Radicals: The Crystal Engineering Aspects. <i>Crystal Growth and Design</i> , 2021, 21, 5473-5489.	3.0	13

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109	Solid-State Transformation from Self-Assembled Nanosheets into Ordered Nanorods. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4054-4057.	2.6	12
110	Formation of a Magnetically Coupled Neutral [4Å–4] Square Grid from a 2,6-Pyridinedicarbaldehyde Bis(hydrazone) Ligand. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 963-967.	2.0	12
111	Can Side Chain Interactions Nucleate Supramolecular Heterogeneity in Synthetic Tripeptides?. <i>Crystal Growth and Design</i> , 2016, 16, 2130-2139.	3.0	12
112	Probing through-space and through-bond magnetic exchange couplings in a new benzotriazinyl radical and its metal complexes. <i>Dalton Transactions</i> , 2019, 48, 14189-14200.	3.3	12
113	Roles of structure and electron mobilization in enhanced ethanol sensing by Al doped SnO <sub>2</sub> nanoparticles. <i>Materials Advances</i> , 2021, 2, 3760-3769.	5.4	12
114	Guest-Induced Multistep-to-One-Step Reversible Spin Transition with Enhanced Hysteresis in a 2D Hofmann Framework. <i>Inorganic Chemistry</i> , 2022, 61, 4572-4580.	4.0	12
115	<i>In route</i> to artificial photosynthesis: the role of polyoxometalate based photocatalysts. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13152-13169.	10.3	12
116	Concomitant spin-canted antiferromagnetic ordering and proton conduction in homometallic and homoleptic coordination polymers. <i>Dalton Transactions</i> , 2015, 44, 3949-3953.	3.3	10
117	Reversible Magnetic Transition in a Bench-Stable Radical Cation Triggered by Structural Transition in the Magnetically Silent Counteranion. <i>Crystal Growth and Design</i> , 2020, 20, 6296-6301.	3.0	10
118	Strong Equatorial Crystal Field Enhances the Axial Anisotropy and Energy Barrier for Spin Reversal Process in Yb <sub>2</sub> Single Molecule Magnets. <i>Chemistry - A European Journal</i> , 2021, 27, 3449-3456.	3.3	10
119	A new family of Fe <sub>4</sub> Ln <sub>4</sub> (Ln = Dy <sup>III</sup> , Gd <sup>III</sup> ), Tj ETQq1 1 0.784314 rgBT /Overlock 10 T zero-field SMM behavior. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4625-4633.	6.0	10
120	Modulation of Magnetic Anisotropy and Exchange Interaction in Phenoxide-Bridged Dinuclear Co(II) Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 11948-11956.	4.0	10
121	Alignment of axial anisotropy of a mononuclear hexa-coordinated Co(II) complex in a lattice shows improved single molecule magnetic behavior over a 2D coordination polymer having a similar ligand field. <i>Dalton Transactions</i> , 2021, 50, 2832-2840.	3.3	10
122	Effect of an axial coordination environment on quantum tunnelling of magnetization for dysprosium single-ion magnets with theoretical insight. <i>Dalton Transactions</i> , 2022, 51, 1464-1473.	3.3	10
123	Field Induced Slow Magnetic Relaxation in a Non Kramers Tb(III) Based Single Chain Magnet. <i>Magnetochemistry</i> , 2018, 4, 59.	2.4	9
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