

Amit Adhikary

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,413
citations

361413

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Synergistic Experimental and Theoretical Studies of Luminescent $\text{Ln}_{2}\text{Zn}_{6}$ Clusters. <i>Inorganic Chemistry</i> , 2022, 61, 2141-2153.	4.0	8
2	A Nd_{6} molecular butterfly: a unique all-in-one material for SMM, MCE and maiden photosensitized opto-electronic device fabrication. <i>Dalton Transactions</i> , 2022, 51, 1617-1633.	3.3	7
3	High Sodium-Ion Conductivity in Interlocked Quaternary Chalcogenides Built with Supertetrahedral Building Units. <i>ACS Applied Energy Materials</i> , 2021, 4, 7942-7951.	5.1	8
4	Sodium-Stuffed Open-Framework Quaternary Chalcogenide Built with $(\text{Cu}_{2}\text{Ga}_{6}\text{S}_{18})^{16+}$ Ribbons Cross-Linked by Unusual Linear Cu(I) Pillars. <i>Inorganic Chemistry</i> , 2021, 60, 12059-12066.	4.0	2
5	Ternary alkali ion thiogallates, $\text{A}_{5}\text{GaS}_{4}$ (A = Li and Na), with isolated tetrahedral building units and their ionic conductivities. <i>Dalton Transactions</i> , 2021, 50, 7372-7379.	3.3	9
6	Lanthanide clusters of phenanthroline containing a pyridine-pyrazole based ligand: magnetism and cell imaging. <i>Dalton Transactions</i> , 2021, 50, 3593-3609.	3.3	13
7	Mapping of Solvent-Mediated Molecular Self-Assembly of Iron(III) Discrete Compounds: Exploring Their Magnetic Behavior and Phosphatase-Like Activity. <i>Crystal Growth and Design</i> , 2020, 20, 1254-1265.	3.0	13
8	Naked Eye Cd^{2+} Ion Detection and Reversible Iodine Uptake by a Three-Dimensional Pillared-Layered Zn-MOF. <i>Inorganic Chemistry</i> , 2020, 59, 17758-17765.	4.0	32
9	Influence of Semirigidity and Diverse Binding Modes of an Asymmetric Pyridine-pyrazole Based Bis-Chelating Ligand in Controlling Molecular Architectures and Their Properties. <i>Crystal Growth and Design</i> , 2020, 20, 5698-5708.	3.0	8
10	Structure and synthesis of copper-based Schiff base and reduced Schiff base complexes: a combined experimental and theoretical investigation of biomimetic catalytic activity. <i>Dalton Transactions</i> , 2020, 49, 15461-15472.	3.3	23
11	A free-standing, self-healing multi-stimuli responsive gel showing cryogenic magnetic cooling. <i>Dalton Transactions</i> , 2020, 49, 13487-13495.	3.3	12
12	Paradoxical design of a serendipitous pyrazolate bridging mode: a pragmatic strategy for inducing ineluctable ferromagnetic coupling. <i>Dalton Transactions</i> , 2020, 49, 13704-13716.	3.3	2
13	Unusual Atmospheric Water Trapping and Water Induced Reversible Restacking of 2D Gallium Sulfide Layers in NaGaS_{2} Formed by Supertetrahedral Building Unit. <i>Chemistry of Materials</i> , 2020, 32, 5589-5603.	6.7	21
14	Synthesis of $\text{Mn}_{3}\text{O}_{4}$ nanozymes from structurally characterized phenoxazinone synthase models based on manganese Schiff base complexes. <i>Dalton Transactions</i> , 2020, 49, 5999-6011.	3.3	17
15	Zn-BTC MOF as an Adsorbent for Iodine Uptake and Organic Dye Degradation. <i>Crystal Growth and Design</i> , 2020, 20, 7833-7839.	3.0	85
16	Exploration of catecholase-like activity of a series of magnetically coupled transition metal complexes of Mn, Co and Ni: new insights into the solution state behavior of Mn complexes. <i>Dalton Transactions</i> , 2019, 48, 14164-14177.	3.3	18
17	A series of Cu(II) based di-hydrazide complexes obtained through solvent exchange: Their efficient dye degradation and magnetic study. <i>Polyhedron</i> , 2019, 171, 249-259.	2.2	2
18	Synthesis of Structurally Diverse Ferrimagnetically and Antiferromagnetically Coupled $\text{M}_{2}\text{Mn}_{2}$ ($\text{M} = \text{Cu, Ni}$) Heterometallic Schiff Base Compounds with a Dicyanamide Spacer and Study of Biomimetic Catalytic Activity. <i>Crystal Growth and Design</i> , 2019, 19, 7336-7348.	3.0	20

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19	Temperature-Induced Single-Crystal-to-Single-Crystal Transformations with Consequential Changes in the Magnetic Properties of Fe(III) Complexes. ACS Omega, 2019, 4, 8731-8738.	3.5	3
20	Fine tuning of coordination environments by anions on a series of Cu(II) dihydrazide complexes: Syntheses, structures, magnetic properties and solution phase anion exchange. Polyhedron, 2019, 168, 37-47.	2.2	5
21	Designing ferromagnetism in Cu(II) complexes using an elusive near-orthogonal bridging mode of the pyrazole ring. Polyhedron, 2019, 160, 46-52.	2.2	6
22	Designing Multifunctional MOFs Using the Inorganic Motif $[\text{Cu}_3(\mu_3\text{OH})(\mu_3\text{-Pyz})]$ as an SBU and Their Properties. Crystal Growth and Design, 2019, 19, 992-1004.	3.0	21
23	Multifunctional Properties of a 1D Helical Co(II) Coordination Polymer: Toward Single-Ion Magnetic Behavior and Efficient Dye Degradation. ACS Omega, 2018, 3, 15315-15324.	3.5	18
24	Ln_8 (Ln= Gd, Ho, Er, Yb) Butterfly Core Exhibiting Magnetocaloric Effect and Field-Induced SMM Behavior for Er Analogue. ChemistrySelect, 2017, 2, 11341-11345.	1.5	6
25	Magnetically Frustrated Quaternary Chalcogenides with Interpenetrating Diamond Lattices. Inorganic Chemistry, 2017, 56, 7650-7656.	4.0	16
26	Crystal structure of a chloride-bridged copper(II) dimer: piperazine-1,4-dium		

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37	Magnetic refrigeration and slow magnetic relaxation in tetranuclear lanthanide cages (Ln = Gd, Dy) with in situ ligand transformation. <i>New Journal of Chemistry</i> , 2014, 38, 3006-3014.	2.8	59
38	Two Isostructural 3D Lanthanide Coordination Networks (Ln = Gd ³⁺ , Dy ³⁺) 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
39	Syntheses, Crystal Structures, and Magnetic Properties of Metal-Organic Hybrid Materials of Mn(II)/Co(II): Three-Fold Interpenetrated 1±-Polonium-like Network in One of Them. <i>Crystal Growth and Design</i> , 2014, 14, 3276-3285.	3.0	34
40	Observation of a large magnetocaloric effect in a 2D Gd(III)-based coordination polymer. <i>Dalton Transactions</i> , 2013, 42, 13331.	3.3	74
41	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
42	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
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	Serendipitous Assemblies of Two Large Phosphonate Cages: A Co ₁₅ Distorted Molecular Cube and a Co ₁₂ Butterfly Type Core Structure. <i>Inorganic Chemistry</i> , 2013, 52, 4127-4129.	4.0	24
45	Heteroatom-Guided, Palladium-Catalyzed Regioselective C-H Functionalization in the Synthesis of 3-Arylquinolines. <i>Organic Letters</i> , 2013, 15, 3310-3313.	4.6	41
46	Lanthanide based coordination polymers chill, relax under magnetic field and also fluoresce. <i>Dalton Transactions</i> , 2013, 42, 9813.	3.3	55
47	Metal free sulfenylation and bis-sulfenylation of indoles: persulfate mediated synthesis. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8036.	2.8	95
48	Intramolecular Dehydrogenative Coupling of sp ² C-H and sp ³ C-H Bonds: An Expedient Route to 2-Oxindoles. <i>Organic Letters</i> , 2012, 14, 5864-5867.	4.6	76