

Arif Ali

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

329
citations

840776

11
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

179
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis, topological study, and adsorption properties of a novel Co (II)-based coordination polymer for adsorptive removal of methylene blue and methyl orange dyes. <i>Polyhedron</i> , 2021, 210, 115519.	2.2	48
2	Molecular designing, crystal structure determination and in silico screening of copper(II) complexes bearing 8-hydroxyquinoline derivatives as anti-COVID-19. <i>Bioorganic Chemistry</i> , 2021, 110, 104772.	4.1	40
3	Potential Third-Order Nonlinear Optical Response Facilitated by Intramolecular Charge Transfer in a Simple Schiff Base Molecule: Experimental and Theoretical Exploration. <i>ACS Omega</i> , 2021, 6, 6185-6194.	3.5	31
4	Construction and topological studies of a three dimensional (3D) coordination polymer showing selective adsorption of aromatic hazardous dyes. <i>Separation and Purification Technology</i> , 2021, 265, 118482.	7.9	31
5	Synthesis, crystal structure, characterization, Hirshfeld analysis, molecular docking and DFT calculations of 5-Phenylamino-isophthalic acid: A good NLO material. <i>Journal of Molecular Structure</i> , 2022, 1261, 132791.	3.6	23
6	Construction of a 3D Metal-Organic Framework and Its Composite for Water Remediation via Selective Adsorption and Photocatalytic Degradation of Hazardous Dye. <i>ACS Omega</i> , 2022, 7, 24438-24451.	3.5	20
7	Evaluation of catalase mimicking activity and apoptosis in human colorectal carcinoma cell line by activating mitochondrial pathway of copper(II) complex coupled with 2-(quinolin-8-yloxy)(methyl)benzotrile and 8-hydroxyquinoline. <i>Bioorganic Chemistry</i> , 2021, 106, 104479.	4.1	19
8	Ligand substituent effect on the cytotoxicity activity of two new copper(II) complexes bearing 8-hydroxyquinoline derivatives: validated by MTT assay and apoptosis in MCF-7 cancer cell line (human breast cancer). <i>RSC Advances</i> , 2021, 11, 14362-14373.	3.6	19
9	Efficient adsorption and facile photocatalytic degradation of organic dyes over H-bonded proton-transfer complex: An experimental and theoretical approach. <i>Journal of Molecular Liquids</i> , 2022, 347, 117951.	4.9	16
10	A new copper(II)-based layered coordination polymer: Crystal structure, topology, QTAIM analysis, experimental and theoretical magnetic properties based on DFT combined with broken-symmetry formalism (BS-DFT). <i>Polyhedron</i> , 2021, 193, 114881.	2.2	15
11	Synthesis and Characterization of CuO Rods for Enhanced Visible Light Driven Dye Degradation. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7716-7723.	0.9	14
12	Synthesis and Characterizations of Nitrogen (N) Doped Strontium Titanate (SrTiO ₃) Nanoparticles for Enhanced Visible Light Driven Photocatalytic Degradation. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6475-6481.	0.9	14
13	A zinc(II) metal-organic complex based on 2-(2-aminophenyl)-1H-benzimidazole ligand: Exhibiting high adsorption capacity for aromatic hazardous dyes and catalase mimicking activity. <i>Journal of Molecular Liquids</i> , 2022, 363, 119767.	4.9	7
14	A Three-Dimensional Pentanuclear Co(II) Coordination Polymer: Structural Topology, Hirshfeld Surface Analysis and Magnetic Properties. <i>ChemistrySelect</i> , 2020, 5, 13732-13737.	1.5	5
15	Fabrication of a new 2D Co(II)-organic framework tuned by semi-flexible dicarboxylate and 1,4-bis(4-pyridinylmethyl)piperazine ligands: Topology, DFT/UB3LYP calculations, Hirshfeld surface analysis and magnetic studies. <i>Journal of Molecular Structure</i> , 2021, 1229, 129616.	3.6	4
16	Vibrational Spectroscopy, Quantum Computational and Molecular Docking Studies on 2-[(1H-Benzimidazol-1-yl)-methyl]benzoic Acid. <i>Crystals</i> , 2022, 12, 337.	2.2	4
17	Exploiting the biological potential of Zn(II) complex derived from zwitterionic Schiff base: DNA binding and cytotoxicity activity against human cervical cancer. <i>Chemical Papers</i> , 2022, 76, 5177-5186.	2.2	4
18	Crystal structure and Hirshfeld surface analysis of [2-(1H-benzimidazol-2-yl)-N,N'-diethyl-1,4-bis(4-pyridinylmethyl)piperazine]nickel(II) complex. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 491-494.	0.5	3

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19	Crystal structure and Hirshfeld surface analysis of diethyl 5-(2-cyanophenoxy)isophthalate. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 905-908.	0.5	3
20	Crystal structure and Hirshfeld surface analysis of 2,4,6-triaminopyrimidine-1,3-dium dinitrate. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 669-674.	0.5	3
21	The cocrystal of 3-((4-(3-isocyanobenzyl) piperazine-1-yl) methyl) benzonitrile with 5-hydroxy isophthalic acid prevents protofibril formation of serum albumin. Journal of Biomolecular Structure and Dynamics, 2020, , 1-11.	3.5	2
22	Crystal structure, Hirshfeld and electronic transition analysis of 2-[(1 <i>H</i> -benzimidazol-1-yl)methyl]benzoic acid. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 755-758.	0.5	2
23	Crystal structure of 4-[(2-hydroxy-3-methoxybenzyl)amino]benzoic acid hemihydrate. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 159-162.	0.5	2