

Abdul Malik Puthan Peedikakkal

List of Publications by Year in descending order

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34
papers

1,544
citations

516215

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377514

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36
all docs

36
docs citations

36
times ranked

2066
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon capture by physical adsorption: Materials, experimental investigations and numerical modeling and simulations – A review. Applied Energy, 2016, 161, 225-255.	5.1	498
2	Stacking of double bonds for photochemical [2+2] cycloaddition reactions in the solid state. Chemical Communications, 2008, , 5277.	2.2	229
3	Quest for Highly Connected Metal–Organic Framework Platforms: Rare-Earth Polynuclear Clusters Versatility Meets Net Topology Needs. Journal of the American Chemical Society, 2015, 137, 5421-5430.	6.6	163
4	Solid-State Photochemical [2+2] Cycloaddition in a Hydrogen-Bonded Metal Complex Containing Several Parallel and Crisscross C≡C bonds. Chemistry - A European Journal, 2008, 14, 5329-5334.	1.7	75
5	Photodimerization of a 1D hydrogen-bonded zwitter-ionic lead(ii) complex and its isomerization in solution. Chemical Communications, 2008, , 441-443.	2.2	70
6	Solid-State Photochemical Behavior of a Triple-Stranded Ladder Coordination Polymer. Inorganic Chemistry, 2010, 49, 10-12.	1.9	70
7	Structural Transformations of Pb(II)- <i>trans</i> -1,2-bis(4-pyridyl)ethene Coordination Polymers in Solution. Crystal Growth and Design, 2011, 11, 4697-4703.	1.4	49
8	Metal–Organic Frameworks Containing a Tetrapyridylcyclobutane Ligand Derived from Isomerization Reaction. Inorganic Chemistry, 2010, 49, 6775-6777.	1.9	47
9	Mixed-Metal Cu-BTC Metal–Organic Frameworks as a Strong Adsorbent for Molecular Hydrogen at Low Temperatures. ACS Omega, 2020, 5, 28493-28499.	1.6	45
10	Near-White Light Emission from Lead(II) Metal–Organic Frameworks. Inorganic Chemistry, 2018, 57, 11341-11348.	1.9	42
11	Solid-State Structural Transformations and Photoreactivity of 1D Ladder Coordination Polymers of Pb ^{II} . Chemistry - A European Journal, 2013, 19, 3962-3968.	1.7	32
12	Molecular Fabric Structure Formed by the 1D Coordination Polymer, [Pb(bpe)(O ₂ CCH ₃)(O ₂ CCF ₃)]. Crystal Growth and Design, 2008, 8, 375-377.	1.4	30
13	Combining Optical Properties with Flexibility in Halogen-Substituted Benzothiazole Crystals. Crystal Growth and Design, 2020, 20, 3937-3943.	1.4	27
14	Coordination–Polymeric Nanofibers and their Field–Emission Properties. Macromolecular Rapid Communications, 2009, 30, 1356-1361.	2.0	25
15	Cobalt(II) Coordination Polymers Containing <i>trans</i> -1,2-Bis(4-pyridyl)ethene and Their Magnetic Properties. European Journal of Inorganic Chemistry, 2010, 2010, 3856-3865.	1.0	20
16	Single-Crystal-to-Single-Crystal Transformation of Hydrogen-Bonded Triple-Stranded Ladder Coordination Polymer via Photodimerization Reaction. Inorganic Chemistry, 2019, 58, 10167-10173.	1.9	19
17	Structure Property Correlation of a Series of Halogenated Schiff Base Crystals and Understanding of the Molecular Basis Through Nanoindentation. Crystal Growth and Design, 2019, 19, 6698-6707.	1.4	19
18	Pressure and Temperature Induced Dual Responsive Molecular Crystals: Effect of Polymorphism. Crystal Growth and Design, 2022, 22, 615-624.	1.4	15

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19	Mixed-Metal Metal-Organic Frameworks as Catalysts for Liquid-Phase Oxidation of Toluene and Cycloalkanes. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 4383-4390.	1.7	14
20	Highly Efficient Ethylene Tetramerization Using Cr Catalysts Constructed with Trifluoromethyl-Substituted <i>N</i> -Aryl PNP Ligands. <i>ACS Omega</i> , 2022, 7, 16333-16340.	1.6	11
21	Solid state photodimerization in an organic salt of 1,2-bis(4-pyridyl)ethylene and trifluoromethane sulphonic acid via pedal-like motion. <i>Journal of Chemical Sciences</i> , 2017, 129, 733-739.	0.7	10
22	Upgrading the Hydrogen Storage of MOF-5 by Post-Synthetic Exchange with Divalent Metal Ions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11687.	1.3	10
23	Synthesis, anticancer activity and apoptosis induction of gold(I) complexes containing tris(<i>o</i> -methoxyphenyl)phosphane. <i>Inorganica Chimica Acta</i> , 2021, 527, 120567.	1.2	5
24	Molecular docking, spectroscopic, and quantum chemical studies on aromatic heterocycle tetrakis(4-pyridyl)cyclobutane regioisomers: potential membrane-permeable inhibitors. <i>Journal of Molecular Modeling</i> , 2021, 27, 94.	0.8	4
25	Simulation of CO ₂ adsorption-separation from an N ₂ /CO ₂ gas mixture in a fixed Mg-MOF-74 column. <i>International Journal of Global Warming</i> , 2017, 11, 125.	0.2	2
26	Emissive lead(II) benzenedicarboxylate metal-organic frameworks. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	0.7	2
27	Porous Coordination Polymers. <i>Polymers and Polymeric Composites</i> , 2019, , 1-44.	0.6	2
28	Rapid Synthetic Routes to Bipyridine-Based Metal-Organic Frameworks for Highly Selective Solvent Sensing. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 167-173.	1.7	2
29	Design of Green-Emitting Salts from Substituted Pyridines: Understanding the Solid-State Photodimerization of <i>trans</i> -1,2-bis(4-pyridyl)ethylene. <i>ChemPhysChem</i> , 2021, 22, 1088-1093.	1.0	2
30	Solid-state Photochemical [2+2] Cycloaddition Reaction of Hydrogen-Bonded Zn(II) Metal Complex Containing Several Parallel C=C Bonds. <i>Journal of Chemical Sciences</i> , 2017, 129, 239-247.	0.7	1
31	Porous Coordination Polymers. <i>Polymers and Polymeric Composites</i> , 2019, , 181-223.	0.6	1
32	N-Oxides of 1,1,1-Tris(pyrid-2-yl)ethane. <i>Tetrahedron Letters</i> , 2020, 61, 152326.	0.7	1
33	Blue- and white-light-emitting 2D-coordination polymers and their solid-state photodimerization reaction. <i>CrystEngComm</i> , 2021, 23, 7663-7670.	1.3	1
34	MM-MOFs as catalysts for liquid-phase oxidation of toluene and cycloalkane. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1160-C1160.	0.0	0