

# Partha Pratim Bag

## List of Publications by Year in descending order

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28  
papers

1,124  
citations

516710

16  
h-index

501196

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28  
docs citations

28  
times ranked

1720  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Anion Metal-Organic Framework with Lewis Basic Sites-Rich toward Charge-Exclusive Cationic Dyes Separation and Size-Selective Catalytic Reaction. <i>Inorganic Chemistry</i> , 2016, 55, 2641-2649.	4.0	139
2	Co-Crystals of Sulfamethazine with Some Carboxylic Acids and Amides: Co-Former Assisted Tautomerism in an Active Pharmaceutical Ingredient and Hydrogen Bond Competition Study. <i>Crystal Growth and Design</i> , 2011, 11, 3489-3503.	3.0	129
3	Outstanding drug loading capacity by water stable microporous MOF: a potential drug carrier. <i>Chemical Communications</i> , 2016, 52, 3669-3672.	4.1	120
4	Correlation Among Crystal Structure, Mechanical Behavior, and Tabletability in the Co-Crystals of Vanillin Isomers. <i>Crystal Growth and Design</i> , 2015, 15, 1827-1832.	3.0	104
5	Direct correlation among crystal structure, mechanical behaviour and tabletability in a trimorphic molecular compound. <i>CrystEngComm</i> , 2012, 14, 3865.	2.6	103
6	Heterometallic cluster-based indium-organic frameworks. <i>Chemical Communications</i> , 2014, 50, 15224-15227.	4.1	72
7	Microwave-assisted large scale synthesis of lanthanide metal-organic frameworks (Ln-MOFs), having a preferred conformation and photoluminescence properties. <i>Dalton Transactions</i> , 2015, 44, 11954-11962.	3.3	70
8	Efficient photocatalytic hydrogen evolution under visible light by ternary composite CdS@NU-1000/RGO. <i>Catalysis Science and Technology</i> , 2017, 7, 5113-5119.	4.1	67
9	A kinetically controlled crystallization process for identifying new co-crystal forms: fast evaporation of solvent from solutions to dryness. <i>CrystEngComm</i> , 2011, 13, 5650.	2.6	61
10	Screening and Selective Preparation of Polymorphs by Fast Evaporation Method: A Case Study of Aspirin, Anthranilic Acid, and Niflumic Acid. <i>Crystal Growth and Design</i> , 2012, 12, 2740-2743.	3.0	50
11	Drug-drug salt forms of ciprofloxacin with diflunisal and indoprofen. <i>CrystEngComm</i> , 2014, 16, 7393-7396.	2.6	37
12	Graphene-Like Hydrogen-Bonded Melamine-Cyanuric Acid Supramolecular Nanosheets as Pseudo-Porous Catalyst Support. <i>Advanced Materials</i> , 2021, 33, e2007368.	21.0	31
13	Synthesis, X-ray structural and magnetic characterizations, and epoxidation activity of a new bis(1/4-acetato)(1/4-alkoxo)dinuclear iron(III) complex. <i>Polyhedron</i> , 2013, 53, 264-268.	2.2	22
14	Strong electron donation induced differential nonradiative decay pathways for para and meta GFP chromophore analogues. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20515-20521.	2.8	21
15	Synthesis of Metal-Organic Frameworks (MOFs) and Their Applications to Biology, Catalysis and Electrochemical Charge Storage: A Mini Review. <i>Engineered Science</i> , 2020, , .	2.3	20
16	Tautomeric preference in polymorphs and pseudopolymorphs of succinylsulfathiazole: fast evaporation screening and thermal studies. <i>CrystEngComm</i> , 2014, 16, 4706-4714.	2.6	18
17	Chemical tweaking of a non-fluorescent GFP chromophore to a highly fluorescent coumarinic fluorophore: application towards photo-uncaging and stem cell imaging. <i>RSC Advances</i> , 2013, 3, 24021.	3.6	16
18	Ligand template synthesis of an undecametallic iron(III) complex: X-ray structure, magnetism and catecholase activity. <i>Inorganica Chimica Acta</i> , 2015, 425, 61-66.	2.4	10

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19	Designing Metal-Organic Frameworks Based Photocatalyst for Specific Photocatalytic Reactions: A Crystal Engineering Approach. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 141-186.	0.5	6
20	Synergistic effect of various intermolecular interactions on self-assembly and optoelectronic behaviour in co-crystals/salts of tetrabromoterephthalic acid: a report on their structure, theoretical study and Hirshfeld surface analysis. <i>CrystEngComm</i> , 2020, 22, 8197-8207.	2.6	5
21	Photo-responsive Schottky diode behavior of a donor-acceptor co-crystal with violet blue light emission. <i>CrystEngComm</i> , 2021, 23, 3510-3523.	2.6	5
22	Pyridine and pyrimidine functionalized half-sandwich Ru(II)-N heterocyclic carbene complexes: Synthesis, structures, spectra, electrochemistry and biological studies. <i>Journal of Molecular Structure</i> , 2021, 1231, 129822.	3.6	4
23	Pyridine and pyrimidine functionalized half-sandwich Ru(II)-N heterocyclic carbene complexes: Synthesis, structures, spectra, electrochemistry and biological studies. <i>Journal of Molecular Structure</i> , 2021, 1245, 130939.	3.6	4
24	Introduction of Plasticity to Change Mechanical Behaviour of Pharmaceutical Crystals by Co-Crystallization: A Solution of Long Standing Problem in Isoniazid. <i>Engineered Science</i> , 2021, , .	2.3	3
25	MOF-derived CoFeN/C materials as electrocatalysts for ORR and OER. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1267-C1267.	0.1	3
26	Tramadol Hydrochloride and its Acetonitrile Solvate: Crystal Structure Analysis and Thermal Studies. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2014, 84, 235-242.	1.2	2
27	Surface Engineering for Coating. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2021, , 261-282.	0.3	1
28	Externally Mechanical Force Induced Unusual Defect in the Second Polymorph of Isoniazid/Fumaric Acid Co-crystal. <i>Engineered Science</i> , 2021, , .	2.3	1