

Bipul Sarma

List of Publications by Year in descending order

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papers

2,036
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304743

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243625

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54
all docs

54
docs citations

54
times ranked

2330
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceutical Crystallization. <i>Crystal Growth and Design</i> , 2011, 11, 887-895.	3.0	450
2	Crystal Engineering of Pharmaceutical Cocrystals in the Discovery and Development of Improved Drugs. <i>Chemical Reviews</i> , 2022, 122, 11514-11603.	47.7	164
3	Synthon Competition and Cooperation in Molecular Salts of Hydroxybenzoic Acids and Aminopyridines. <i>Crystal Growth and Design</i> , 2009, 9, 1546-1557.	3.0	163
4	Drug-Drug and Drug-Nutraceutical Cocrystal/Salt as Alternative Medicine for Combination Therapy: A Crystal Engineering Approach. <i>Crystals</i> , 2018, 8, 101.	2.2	111
5	The Role of π -Stacking in the Composition of Phloroglucinol and Phenazine Cocrystals. <i>Crystal Growth and Design</i> , 2008, 8, 4546-4552.	3.0	82
6	Solid forms of pharmaceuticals: Polymorphs, salts and cocrystals. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 315-322.	2.7	69
7	Polymorphism in Isomeric Dihydroxybenzoic Acids. <i>Crystal Growth and Design</i> , 2010, 10, 2388-2399.	3.0	61
8	Hydrogen bond synthon competition in the stabilization of theophylline cocrystals. <i>CrystEngComm</i> , 2014, 16, 4753-4765.	2.6	56
9	Polymorph Control of Micro/Nano-Sized Mefenamic Acid Crystals on Patterned Self-Assembled Monolayer Islands. <i>Crystal Growth and Design</i> , 2012, 12, 5521-5528.	3.0	49
10	Synthesis, characterization, crystal structure and bioactivities of a new potential tridentate (ONS) Schiff base ligand N-[2-(benzylthio) phenyl] salicylaldehyde and its Ni(II), Cu(II) and Co(II) complexes. <i>Polyhedron</i> , 2013, 60, 47-53.	2.2	43
11	Regulation of π -Stacking Interactions in Small Molecule Cocrystals and/or Salts for Physicochemical Property Modulation. <i>Crystal Growth and Design</i> , 2018, 18, 1448-1458.	3.0	41
12	Polymorphism in Secondary Benzene Sulfonamides. <i>Crystal Growth and Design</i> , 2010, 10, 4550-4564.	3.0	39
13	Phase Transformation in Conformational Polymorphs of Nimesulide. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 2287-2299.	3.3	38
14	A new series of Ni(II), Cu(II), Co(II) and Pd(II) complexes with an ONS donor Schiff base: Synthesis, crystal structure, catalytic properties and bioactivities. <i>Polyhedron</i> , 2014, 74, 93-98.	2.2	37
15	Solubility and <i>in vitro</i> drug permeation behavior of ethenzamide cocrystals regulated in physiological pH environments. <i>CrystEngComm</i> , 2017, 19, 6992-7000.	2.6	33
16	Trimorphic Ethenzamide Cocrystal: In Vitro Solubility and Membrane Efflux Studies. <i>Crystal Growth and Design</i> , 2018, 18, 4637-4645.	3.0	30
17	Werner type clathrates involving guest benzoic acid and benzoate in discrete Mn(II) hosts: Experimental and theoretical studies. <i>Polyhedron</i> , 2019, 159, 387-399.	2.2	28
18	Nickel(II), copper(II), and cobalt(II) complexes derived from a new unsymmetrical ONS donor Schiff base ligand: synthesis, characterization, crystal structure, and catalytic activities. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2445-2454.	2.2	27

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19	Synthesis, crystal structure, bioactivities of Ni(II), Cu(II), Co(II) and Pd(II) complexes with unsymmetrical thioether donor Schiff base: Phosphine free Pd(II) complex catalyzed Suzuki reaction. <i>Polyhedron</i> , 2015, 97, 140-147.	2.2	26
20	Pyridine N-oxides as cofomers in the development of drug cocrystals. <i>CrystEngComm</i> , 2016, 18, 8454-8464.	2.6	26
21	Variable stoichiometry cocrystals: occurrence and significance. <i>CrystEngComm</i> , 2021, 23, 4583-4606.	2.6	26
22	Crystal structures of mirtazapine molecular salts. <i>CrystEngComm</i> , 2011, 13, 3232.	2.6	23
23	Supramolecular networks of a H-shaped aromatic phenolhost. <i>New Journal of Chemistry</i> , 2010, 34, 623-636.	2.8	22
24	Oxalato bridged coordination polymer of manganese(ⁱⁱⁱ) involving unconventional O π -hole(nitrile) and antiparallel nitrile π -nitrile contacts: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2020, 44, 20021-20038.	2.8	22
25	Enantioselective Epoxidation of Styrene by Manganese Chiral Schiff Base Complexes Immobilized on MCM-41. <i>ChemPlusChem</i> , 2015, 80, 749-761.	2.8	21
26	Nickel(II), copper(II), cobalt(II), and palladium(II) complexes with a Schiff base: crystal structure, DFT study and copper complex catalyzed aerobic oxidation of alcohol to aldehyde. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3685-3700.	2.2	20
27	Steric Environment Triggered Self-Healing Cu ^{II} /Hg ^{II} Bimetallic Gel with Old Cu ^{II} -Schiff Base Complex as a New Metalloligand. <i>Crystal Growth and Design</i> , 2017, 17, 368-380.	3.0	20
28	A cyclometalated Ir ^{III} -NHC complex as a recyclable catalyst for acceptorless dehydrogenation of alcohols to carboxylic acids. <i>Dalton Transactions</i> , 2020, 49, 16866-16876.	3.3	19
29	Tetrakis(4-sulfophenyl)methane dodecahydrate. Reversible and selective water inclusion and release in an organic host. <i>CrystEngComm</i> , 2007, 9, 628.	2.6	18
30	Synthesis of anti-2,3-dihydro-1,2,3-trisubstituted-1H-naphth [1,2-e][1,3]oxazine derivatives via multicomponent approach. <i>RSC Advances</i> , 2014, 4, 10912.	3.6	18
31	Oriented Crystallization on Organic Monolayers to Control Concomitant Polymorphism. <i>Chemistry - A European Journal</i> , 2020, 26, 699-710.	3.3	18
32	Energetically significant cooperative π -stacked ternary assemblies in Ni(II) phenanthroline compounds involving discrete water clusters: Anticancer activities and theoretical studies. <i>Journal of Molecular Structure</i> , 2021, 1229, 129486.	3.6	17
33	Guest Control in the Self-Assembly of H-Shaped Host to Cyclopentanoid (5, ₄ ³) Net. <i>Crystal Growth and Design</i> , 2008, 8, 1471-1473.	3.0	16
34	Constructing two dimensional amide porous polymer to promote selective oxidation reactions. <i>Catalysis Science and Technology</i> , 2017, 7, 3143-3150.	4.1	16
35	Synthesis of a novel six membered CNS palladacycle; TD-DFT study and catalytic activity towards microwave-assisted selective oxidation of terminal olefin to aldehyde. <i>Journal of Organometallic Chemistry</i> , 2016, 822, 20-28.	1.8	14
36	Engineering a Remedy to Improve Phase Stability of Famotidine under Physiological pH Environments. <i>Crystal Growth and Design</i> , 2019, 19, 6472-6481.	3.0	14

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37	Switching of regioselectivity in base-mediated diastereoselective annulation of 2,3-epoxy tosylates and their N-tosylaziridine analogs with 2-mercaptobenzimidazole. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 441-449.	2.8	14
38	Synthesis of quaternary carbon-centered indolo[1,2- <i>a</i>]quinazolinones and indazolo[1,2- <i>a</i>]indazolones via C-H functionalization. <i>Chemical Communications</i> , 2021, 57, 1388-1391.	4.1	13
39	Biologically relevant and energetically significant cooperative ternary (H ₂ O) ₂₁ clusters in isostructural 2,5-pyridine dicarboxylato Co(II) and Zn(II) phenanthroline compounds: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2021, 45, 3699-3715.	2.8	13
40	Effect of Nanospace Confinement on the Catalytic Activity and Stability of a Chiral Schiff Base Complex (CuL; L=C ₂₂ H ₂₄ N ₂ O ₄): A Combined Experimental and Theoretical Study. <i>ChemPlusChem</i> , 2014, 79, 427-438.	2.8	12
41	Structural insights into the polymorphism of bismuth(III) di-n-butylthiocarbamate by X-ray diffraction, solid-state (13C/15N) CP-MAS NMR and DFT calculations. <i>Polyhedron</i> , 2017, 129, 123-132.	2.2	11
42	Regioselectivity of the trifluoroethanol-promoted intramolecular N-Boc-epoxide cyclization towards 1,3-oxazolidin-2-ones and 1,3-oxazinan-2-ones. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7401-7413.	2.8	11
43	On the connection between nonmonotonic taste behavior and molecular conformation in solution: The case of rebaudioside-A. <i>Journal of Chemical Physics</i> , 2015, 143, 244301.	3.0	10
44	3-Methyl-1-sulfoimidazolium ionic liquids as recyclable medium for efficient synthesis of quinoline derivatives by Friedländer annulation. <i>Monatshefte für Chemie</i> , 2015, 146, 173-180.	1.8	10
45	Accessing water processable cyanido bridged chiral heterobimetallic Co(II)-Fe(III) one dimensional network. <i>Chemical Communications</i> , 2021, 57, 207-210.	4.1	10
46	Drug Mimetic Organogelators for the Control of Concomitant Crystallization of Barbitol and Thalidomide. <i>Crystal Growth and Design</i> , 2020, 20, 7989-7996.	3.0	9
47	Evidence of protonation induced intra-molecular metal-to-metal charge transfer in a highly symmetric cyanido bridged {Fe ₂ Ni ₂ } molecular square. <i>Dalton Transactions</i> , 2021, 50, 2057-2066.	3.3	9
48	Cyano bridged heterometallic Mn(II)-Fe(III) aggregates: Synthesis, structure and magnetic properties. <i>Inorganica Chimica Acta</i> , 2018, 469, 20-24.	2.4	8
49	Cu(II) Complex onto a Pyridine-Based Porous Organic Polymer as a Heterogeneous Catalyst for Nitroarene Reduction. <i>ChemistrySelect</i> , 2018, 3, 6309-6320.	1.5	8
50	Deciphering the influence of structural distortions on the uniaxial magnetic anisotropy of pentagonal bipyramidal Ni(<i>scp</i>) complexes. <i>Chemical Communications</i> , 2019, 55, 11547-11550.	4.1	6
51	Direct synthesis of 4-hydroxycoumarins and 4-hydroxy-6-methyl-2-pyrone containing chroman-4-ones via a silver catalyzed radical cascade cyclization reaction. <i>New Journal of Chemistry</i> , 2021, 45, 15475-15486.	2.8	6
52	Metal-Free Regioselective N ² -Arylation of 1-H-Tetrazoles with Diaryliodonium Salts. <i>Journal of Organic Chemistry</i> , 2022, 87, 9782-9796.	3.2	4
53	Endorsing Organic Porous Polymers in Regioselective and Unusual Oxidative C-C Bond Cleavage of Styrenes into Aldehydes and Anaerobic Benzyl Alcohol Oxidation via Hydride Elimination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15353-15365.	8.0	3
54	Antimicrobial Investigation and Structural Study of 4-Methylazobenzene-2-sulphenyl Thiocyanate by X-Ray Diffraction, DFT, and Ab Initio HF Calculations. <i>Heteroatom Chemistry</i> , 2013, 24, 502-509.	0.7	2