Anirban Karmakar

List of Publications by Year
in descending order

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90	2,278	212478	286692
papers	citations	28 h-index	43 g-index

91	91	91	2236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Water-stable Zn-based metal-organic framework with hydrophilic-hydrophobic surface for selective adsorption and sensitive detection of oxo-anions and pesticides in aqueous medium. Journal of Environmental Chemical Engineering, 2022, 10, 106667.	3.3	17
2	Urea and thiourea based coordination polymers and metal-organic frameworks: Synthesis, structure and applications. Coordination Chemistry Reviews, 2022, 453, 214314.	9.5	24
3	Halogen bonding in cadmium(<scp>ii</scp>) MOFs: its influence on the structure and on the nitroaldol reaction in aqueous medium. Dalton Transactions, 2022, 51, 1019-1031.	1.6	22
4	Ni(II)-Based Coordination Polymer with Pi-Conjugated Organic Linker as Catalyst for Oxygen Evolution Reaction Activity. Energy & Fuels, 2022, 36, 2722-2730.	2.5	9
5	Highly Efficient Adsorptive Removal of Organic Dyes from Aqueous Solutions Using Polyaromatic Group-Containing Zn(II)-Based Coordination Polymers. Crystal Growth and Design, 2022, 22, 2248-2265.	1.4	24
6	Polyaromatic Carboxylate Ligands Based Zn(II) Coordination Polymers for Ultrasound-Assisted One-Pot Tandem Deacetalizationâ€“Knoevenagel Reactions. Catalysts, 2022, 12, 294.	1.6	4
7	Mercapto-decorated Zn-based metal-organic framework embedded nanofibrous membrane for oxo-anions treatment in aqueous solution. Chemical Engineering Journal, 2022, 443, 136212.	6.6	9
8	Knoevenagel condensation reaction in supercritical carbon dioxide medium using a Zn(II) coordination polymer as catalyst. Inorganica Chimica Acta, 2022, 538, 120981.	1.2	9
9	Influence of anchoring moieties on new benzimidazole-based Schiff base copper(<scp>ii</scp>) complexes towards estrogen dependent breast cancer cells. Dalton Transactions, 2021, 50, 3701-3716.	1.6	22
10	1D Zn(II) Coordination Polymers as Effective Heterogeneous Catalysts in Microwave-Assisted Single-Pot Deacetalization-Knoevenagel Tandem Reactions in Solvent-Free Conditions. Catalysts, 2021, 11, 90.	1.6	13
11	Pyrene Carboxylate Ligand Based Coordination Polymers for Microwave-Assisted Solvent-Free Cyanosilylation of Aldehydes. Molecules, 2021, 26, 1101.	1.7	8
12	Alkoxo bridged heterobimetallic CoIIISnIV compounds with face shared coordination octahedra: Synthesis, crystal structure and cyanosilylation catalysis. Journal of Organometallic Chemistry, 2021, 949, 121949.	0.8	1
13	ZnO nanoparticles: An efficient catalyst for transesterification reaction of Î±-keto carboxylic esters. Catalysis Today, 2020, 348, 72-79.	2.2	11
14	Versatility of Amide-Functionalized Co(II) and Ni(II) Coordination Polymers: From Thermochromic-Triggered Structural Transformations to Supercapacitors and Electrocatalysts for Water Splitting. Inorganic Chemistry, 2020, 59, 16301-16318.	1.9	19
15	A mechanistic insight into the rapid and selective removal of Congo Red by an amide functionalised Zn(ii) coordination polymer. Dalton Transactions, 2020, 49, 12970-12984.	1.6	12
16	Synthesis and catalytic activities of a Zn(<scp>ii</scp>) based metallomacrocycle and a metalâ€“organic framework towards one-pot deacetalization-Knoevenagel tandem reactions under different strategies: a comparative study. Dalton Transactions, 2020, 49, 8075-8085.	1.6	26
17	Zn(II)-to-Cu(II) Transmetalation in an Amide Functionalized Complex and Catalytic Applications in Styrene Oxidation and Nitroaldol Coupling. Molecules, 2020, 25, 2644.	1.7	9
18	Synthesis, Structures, Electrochemistry, and Catalytic Activity towards Cyclohexanol Oxidation of Mono-, Di-, and Polynuclear Iron(III) Complexes with 3-Amino-2-Pyrazinecarboxylate. Applied Sciences (Switzerland), 2020, 10, 2692.	1.3	3

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19	Environmentally benign benzyl alcohol oxidation and C-C coupling catalysed by amide functionalized 3D Co(II) and Zn(II) metal organic frameworks. Journal of Catalysis, 2020, 385, 324-337.	3.1	59
20	Highly Efficient Bifunctional Amide Functionalized Zn and Cd Metal Organic Frameworks for One-Pot Cascade Deacetalizationâ€“Knoevenagel Reactions. Frontiers in Chemistry, 2019, 7, 699.	1.8	18
21	Recent advances in amide functionalized metal organic frameworks for heterogeneous catalytic applications. Coordination Chemistry Reviews, 2019, 395, 86-129.	9.5	80
22	A copper-amidocarboxylate based metal organic macrocycle and framework: synthesis, structure and catalytic activities towards microwave assisted alcohol oxidation and Knoevenagel reactions. New Journal of Chemistry, 2019, 43, 9843-9854.	1.4	16
23	Syntheses, Structures, and Catalytic Hydrocarbon Oxidation Properties of N-Heterocycle-Sulfonated Schiff Base Copper(II) Complexes. Inorganics, 2019, 7, 17.	1.2	10
24	Synthesis of Metallomacrocycle and Coordination Polymers with Pyridineâ€Based Amidocarboxylate Ligands and Their Catalytic Activities towards the Henry and Knoevenagel Reactions. ChemistryOpen, 2018, 7, 865-877.	0.9	20
25	Packing polymorphism in 3-amino-2-pyrazinecarboxylate based tin(<scp>ii</scp>) complexes and their catalytic activity towards cyanosilylation of aldehydes. New Journal of Chemistry, 2018, 42, 17513-17523.	1.4	14
26	Lanthanide metal organic frameworks based on dicarboxyl-functionalized arylhydrazone of barbituric acid: syntheses, structures, luminescence and catalytic cyanosilylation of aldehydes. Dalton Transactions, 2017, 46, 8649-8657.	1.6	55
27	Recent advances on supramolecular isomerism in metal organic frameworks. CrystEngComm, 2017, 19, 4666-4695.	1.3	66
28	Zinc Complexes with Cyanoxime: Structural, Spectroscopic, and Catalysis Studies in the Pivaloylcyanoximeâ€“Zn System. Inorganic Chemistry, 2017, 56, 13962-13974.	1.9	14
29	Zn^{II} and Cd^{II} MOFs based on an amidoisophthalic acid ligand: synthesis, structure and catalytic application in transesterification. RSC Advances, 2016, 6, 89007-89018.	1.7	21
30	A Cu(<scp>ii</scp>) MOF with a flexible bifunctionalised terpyridine as an efficient catalyst for the single-pot hydrocarboxylation of cyclohexane to carboxylic acid in water/ionic liquid medium. Dalton Transactions, 2016, 45, 12779-12789.	1.6	28
31	Zinc(II) and Copper(II) Metal-Organic Frameworks Constructed from a Terphenyl-4,4â€²â€²-dicarboxylic Acid Derivative: Synthesis, Structure, and Catalytic Application in the Cyanosilylation of Aldehydes. European Journal of Inorganic Chemistry, 2016, 2016, 5557-5567.	1.0	27
32	Nanoporous lanthanide metalâ€“organic frameworks as efficient heterogeneous catalysts for the Henry reaction. CrystEngComm, 2016, 18, 1337-1349.	1.3	43
33	pH dependent synthesis of Zn(<scp>ii</scp>) and Cd(<scp>ii</scp>) coordination polymers with dicarboxyl-functionalized arylhydrazone of barbituric acid: photoluminescence properties and catalysts for Knoevenagel condensation. New Journal of Chemistry, 2016, 40, 1535-1546.	1.4	66
34	Metalâ€“Organic Frameworks with Pyridyl-Based Isophthalic Acid and Their Catalytic Applications in Microwave Assisted Peroxidative Oxidation of Alcohols and Henry Reaction. Crystal Growth and Design, 2016, 16, 1837-1849.	1.4	94
35	Synthesis, supramolecular structure and thermal study of a new dinuclear zinc(II) complex derived from benzene-1,2,4,5-tetracarboxylic acid. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, .	0.4	2
36	1D hacksaw chain bipyridineâ€“sulfonate Schiff base-dicopper(<scp>ii</scp>) as a host for variable solvent guests. RSC Advances, 2015, 5, 28070-28079.	1.7	12

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37	Synthesis, structure and thermal study of a new 3-aminopyrazine-2-carboxylate based zinc(II) coordination polymer. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, 413-419.	0.4	2
38	Synthesis, molecular and supramolecular structure of a new dinuclear aluminium(III) complex derived from 3-aminopyrazine- 2-carboxylic acid. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, .	0.4	1
39	Sulfonated Schiff base dinuclear and polymeric copper(<scp>ii</scp>) complexes: crystal structures, magnetic properties and catalytic application in Henry reaction. New Journal of Chemistry, 2015, 39, 3424-3434.	1.4	50
40	The synthesis, structure, topology and catalytic application of a novel cubane-based copper(<scp>ii</scp>) metalâ€“organic framework derived from a flexible amido tripodal acid. Dalton Transactions, 2015, 44, 10156-10165.	1.6	56
41	Zinc amidoisophthalate complexes and their catalytic application in the diastereoselective Henry reaction. New Journal of Chemistry, 2015, 39, 3004-3014.	1.4	26
42	Solvent-Dependent Structural Variation of Zinc(II) Coordination Polymers and Their Catalytic Activity in the Knoevenagel Condensation Reaction. Crystal Growth and Design, 2015, 15, 4185-4197.	1.4	89
43	Amide functionalized metalâ€“organic frameworks for diastereoselective nitroaldol (Henry) reaction in aqueous medium. RSC Advances, 2015, 5, 87400-87410.	1.7	43
44	Solvent-Free Microwave-Assisted Peroxidative Oxidation of Alcohols Catalyzed by Iron(III)-TEMPO Catalytic Systems. Catalysis Letters, 2015, 145, 2066-2076.	1.4	21
45	Synthesis, structure and catalytic application of lead(<scp>ii</scp>) complexes in cyanosilylation reactions. Dalton Transactions, 2015, 44, 268-280.	1.6	58
46	Zinc metalâ€“organic frameworks: efficient catalysts for the diastereoselective Henry reaction and transesterification. Dalton Transactions, 2014, 43, 7795-7810.	1.6	88
47	Synthesis, structure and catalytic applications of amidoterephthalate copper complexes in the diastereoselective Henry reaction in aqueous medium. New Journal of Chemistry, 2014, 38, 4837-4846.	1.4	46
48	Dinuclear based polymeric copper(II) complexes derived from a Schiff base ligand: effect of secondary bridging moieties on geometrical orientations and magnetic properties. Inorganic Chemistry Communication, 2014, 46, 113-117.	1.8	17
49	Crystal structures and hydrogen bond analysis of five amino acid conjugates of terephthalic and benzene-1,2,3-tricarboxylic acids. CrystEngComm, 2014, 16, 8243-8251.	1.3	11
50	A two-dimensional metal organic network with 1,3,5-benzenetricarboxylate and cobalt (II) ions: synthesis, structure and topology. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, 330-334.	0.4	7
51	A new methanol solvate and Hirshfeld analysis of Ï€-stacking in 2,3,6,7,10,11-hexahydroxytriphenylene solvates. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 251-254.	0.4	4
52	Coordination polymers of flexible tetracarboxylic acids with metal ions. II. Supramolecular assemblies of 5,5â€²-methylene- and 5,5â€²-(ethane-1,2-diyl)-bis(oxy)diisophthalic acidligands with d-transition metals. CrystEngComm, 2011, 13, 350-366.	1.3	51
53	Coordination polymers of flexible tetracarboxylic acids with metal ions. I. Synthesis of CH₂- and (CH₂)₂-spaced bis(oxy)isophthalic acid ligands, and structural characterization of their polymeric adducts with lanthanoid ions. CrystEngComm, 2011, 13, 339-349.	1.3	59
54	Coordination Polymers of 5-(2-Amino/Acetamido-4-carboxyphenoxy)-benzene-1,3-dioic Acids with Transition Metal Ions: Synthesis, Structure, and Catalytic Activity. Crystal Growth and Design, 2011, 11, 2621-2636.	1.4	52

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55	Crystalline assemblies of porphyrins with mixed bromophenyl and pyridyl meso-substituents and manifestation of supramolecular chirality induced by inter-porphyrin Brâ‹¯N halogen bonds. Journal of Porphyrins and Phthalocyanines, 2011, 15, 1250-1257.	0.4	15
56	Nâ€“HÂ·Â·Â·Ï€ Interactions in Two Isomers of an Amino Group Containing bis-Phenol. Journal of Chemical Crystallography, 2010, 40, 702-706.	0.5	10
57	Coordination polymers and hydrogen-bonded assemblies of 2,2â€²-[2,5-bis(carboxymethoxy)-1,4-phenylene]diacetic acid with ammonium, lanthanum and zinc cations. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, m238-m244.	0.4	5
58	Polymorphs of Octaphenylcyclotetrasiloxane. ACS Symposium Series, 2010, , 19-25.	0.5	2
59	Flexible porphyrin tetracarboxylic acids for crystal engineering. CrystEngComm, 2010, 12, 4095.	1.3	36
60	Copper(II) complexes derived from (2-carboxymethoxy-phenylamino)acetic acid and analogue. Inorganica Chimica Acta, 2009, 362, 2071-2075.	1.2	7
61	Characterisation of magnesium carboxylates and their catalytic Câ€“C bond formation reactions. Journal of Molecular Catalysis A, 2009, 303, 137-140.	4.8	11
62	Structural study on few co-crystals and a salt of quinoline derivatives having amide bond. Journal of Molecular Structure, 2009, 935, 47-52.	1.8	5
63	Metal carboxylate complexes of L-3-phenyl-2-(3-phenyl-ureido)-propionic acid. Inorganic Chemistry Communication, 2009, 12, 140-144.	1.8	15
64	Zinc(II) and cobalt(II) complexes of (3-carboxymethoxy-naphthalen-2-yloxy)-acetic acid: a structural study. CrystEngComm, 2009, 11, 832.	1.3	22
65	Crystal Structures of (2-oxo-2H-Quinaxalin-1-yl)-acetic Acid and its Cobalt and Nickel Complexes and Their Comparison with (1,3-Dioxo-1,3-dihydro-isoindol-2-yl)-acetic Acid. Journal of Chemical Crystallography, 2008, 38, 485-489.	0.5	0
66	Synthesis and characterization of zinc benzoate complexes through combined solid and solution phase reactions. Polyhedron, 2008, 27, 3409-3416.	1.0	34
67	Different spatial arrangements in the 4-nitrophthalic acid salts. Journal of Molecular Structure, 2008, 891, 254-257.	1.8	3
68	Copper(II) co-ordination polymers with alternating five and six co-ordination geometry. Journal of Molecular Structure, 2008, 892, 84-87.	1.8	6
69	One-dimensional co-ordination polymer of aqua-bridged binuclear manganese(II) carboxylate. Inorganic Chemistry Communication, 2008, 11, 576-579.	1.8	12
70	Synthesis and characterization of pyridine N-oxide complexes of manganese, copper and zinc. Inorganica Chimica Acta, 2008, 361, 2081-2086.	1.2	47
71	Steric effects in controlling co-ordination environment in zinc 2-nitrobenzoate complexes. Inorganica Chimica Acta, 2008, 361, 2777-2784.	1.2	33
72	Polymorphism and symmetry non-equivalence in (3-carboxymethoxy-naphthalen-2-yloxy) acetic acid. Journal of Molecular Structure, 2008, 888, 197-203.	1.8	12

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73	Solvent induced symmetry non-equivalence in the crystal lattice of CrystEngComm, 2008, 10, 151-154.	1.3	20
74	Crystal packing in some flexible carboxylic acids and esters attached to a naphthalene ring. CrystEngComm, 2008, 10, 1550.	1.3	14
75	N-Oxides in Metal-Containing Multicomponent Molecular Complexes. Inorganic Chemistry, 2008, 47, 763-765.	1.9	15
76	N-[2-(4-Methoxy-phenyl)-ethyl]-2-(quinolin-8-yloxy)acetamide: a receptor for acid binding. Supramolecular Chemistry, 2008, 20, 667-674.	1.5	8
77	Structural aspects and properties of salt and inclusion compounds of 8-hydroxyquinoline based amides. CrystEngComm, 2007, 9, 379.	1.3	23
78	Polymorphism in an Aqua-Bridged, Dinuclear 2-Nitrobenzoate Complex of Cobalt(II). European Journal of Inorganic Chemistry, 2007, 2007, 643-647.	1.0	26
79	Synthesis, structure and electrochemical properties of 2,5-bis(alkyl/arylamino)1,4-benzoquinones and 2-arylamino-1,4-naphthoquinones. Dyes and Pigments, 2007, 75, 770-775.	2.0	45
80	Role of nitro-substituent in pseudo-polymorphism and in synthesis of metal carboxylato complexes of copper, zinc and manganese. Inorganic Chemistry Communication, 2007, 10, 959-964.	1.8	32
81	Synthesis and characterisation of dinuclear and mononuclear Cobalt (II) benzoate complexes. Polyhedron, 2007, 26, 1347-1355.	1.0	26
82	Ring opening reactions of pyromellitic dianhydride for the synthesis of first row transition metal dicarboxylate complexes. Polyhedron, 2007, 26, 4479-4488.	1.0	34
83	Hydrolytic ring opening reactions of anhydrides for first row transition metal dicarboxylate complexes. Polyhedron, 2007, 26, 4518-4524.	1.0	28
84	Variations in product in reactions of naphthoquinone with primary amines. Beilstein Journal of Organic Chemistry, 2007, 3, 10.	1.3	23
85	Structural Features of Ortho-hydroxy Bis-phenols and Their Comparison with Para-hydroxy Bis-phenols. Journal of Chemical Crystallography, 2007, 37, 859-864.	0.5	0
86	Benzoic acid inclusion in a dimeric nickel complex and its catalytic activity. Inorganic Chemistry Communication, 2006, 9, 836-838.	1.8	23
87	Self-assembly of neutral dinuclear and trinuclear zinc-benzoate complexes. Inorganic Chemistry Communication, 2006, 9, 1169-1172.	1.8	51
88	Self-assembly through hydrogen-bonding and Câ€“Hâ‹¯Ï€ interactions in metal complexes of N-functionalised glycine. Inorganic Chemistry Communication, 2006, 9, 1251-1254.	1.8	30
89	Mechanochemical Control of Synthesis and Structures of Aqua-Bridged Binuclear Nickel(II) Benzoate Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 4673-4678.	1.0	33
90	Designing and Construction of Polyaromatic Group Containing Cd(II)-based Coordination Polymers for Solvent-free Strecker-type Cyanation of Acetals. New Journal of Chemistry, 0, , .	1.4	4