

Manjit K Bhattacharyya

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4124325/manjit-k-bhattacharyya-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

657
citations

18
h-index

24
g-index

42
ext. papers

770
ext. citations

2.9
avg, IF

4.74
L-index

#	Paper	IF	Citations
40	Synthesis, structural topologies and anticancer evaluation of phenanthroline-based 2,6-pyridinedicarboxylato Cu(II) and Ni(II) compounds. <i>Polyhedron</i> , 2022 , 213, 115632	2.7	3
39	Phenanthroline-based Ni(II) coordination compounds involving unconventional discrete fumarate-water-nitrate clusters and energetically significant cooperative ternary π -stacked assemblies: Antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2022 , 1248, 131424	3.4	5
38	Structural topologies involving energetically significant antiparallel π -stacking and unconventional N(nitrile) \cdots Fumarate contacts in dinuclear Zn(ii) and polymeric Mn(ii) compounds: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2022 , 46, 5296-5311	3.6	1
37	Solvent-driven structural topologies in phenanthroline-based co-crystals of Zn(ii) involving fascinating infinite chair-like $\{[(bzH)4Cl2]2\}_n$ assemblies and unconventional layered infinite $\{bz-H_2O-Cl\}_n$ anion-water clusters: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2022 , 46, 5628-5652	3.6	1
36	Charge assisted hydrogen bonded assemblies and unconventional O \cdots O dichalcogen bonding interactions in pyrazole-based isostructural Ni(II) and Mn(II) compounds involving anthraquinone disulfonate: Antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2021 , 1223, 129246	3.4	2
35	Energetically significant nitrile \cdots nitrile and unconventional C \cdots H(nitrile) interactions in pyridine based Ni(II) and Zn(II) coordination compounds: Antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2021 , 1223, 129246	3.4	7
34	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	3.4	12
33	Energetically significant anti-parallel π -stacking and unconventional anion- π interactions in phenanthroline based Ni(II) and Cu(II) coordination compounds: Antiproliferative evaluation and theoretical studies. <i>Inorganica Chimica Acta</i> , 2021 , 516, 120082	2.7	10
32	Supramolecular assemblies involving biologically relevant antiparallel π -stacking and unconventional solvent driven structural topology in maleato and fumarato bridged Zn(II) coordination polymers: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2021 , 45, 2699-2715	3.6	6
31	Biologically relevant and energetically significant cooperative ternary π - π / π - π / π - π assemblies and fascinating discrete (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, 2699-2715	3.6	9
30	Solvent Driven Structural Topologies involving Unconventional O \cdots H(methanol) \cdots F contact and Anti-cooperative H \cdots Anion \cdots H assemblies with Unusual Enclathration of dual guest (H ₂ O) ₄ cores in Mn(II) and Ni(II) Coordination Compounds: Antiproliferative Evaluation and Theoretical Studies. <i>Journal of Molecular Structure</i> , 2021 , 1223, 129246	2.7	0
29	Unconventional Hole and Semi-coordination regium bonding interactions directed supramolecular assemblies in pyridinedicarboxylato bridged polymeric Cu(II) Compounds: Antiproliferative evaluation and theoretical studies. <i>Inorganica Chimica Acta</i> , 2021 , 525, 120461	2.7	5
28	Benzoato bridged dinuclear Mn(II) and Cu(II) compounds involving guest chlorobenzoates and dimeric paddle wheel supramolecular assemblies: Antiproliferative evaluation and theoretical studies. <i>Polyhedron</i> , 2021 , 208, 115409	2.7	5
27	Unconventional enclathration of guest adipic acid and energetically significant antiparallel π -stacked ternary assemblies involving unusual regium-(chelate) contacts in phenanthroline-based Ni(II) and Cu(II) compounds: Antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2021 , 1245, 131038	3.4	6
26	Biologically relevant unusual cooperative assemblies and fascinating infinite crown-like supramolecular nitrate-water hosts involving guest complex cations in bipyridine and phenanthroline-based Cu(II) coordination compounds: antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2021 , 1223, 129246	3.6	7
25	Charge-assisted hydrogen bond and nitrile \cdots nitrile interaction directed supramolecular associations in Cu(II) and Mn(II) coordination complexes: anticancer, hematotoxicity and theoretical studies. <i>New Journal of Chemistry</i> , 2020 , 44, 5473-5488	3.6	25
24	Adipato bridged novel hexanuclear Cu(ii) and polymeric Co(ii) coordination compounds involving cooperative supramolecular assemblies and encapsulated guest water clusters in a square grid host: antiproliferative evaluation and theoretical studies. <i>Dalton Transactions</i> , 2020 , 49, 9863-9881	4.3	19

23	Unconventional DNA-relevant π -stacked hydrogen bonded arrays involving supramolecular guest benzoate dimers and cooperative anion- π anion contacts in coordination compounds of Co(II) and Zn(II) phenanthroline: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2020 , 44, 4504-4518	3.6	20
22	Energetically significant antiparallel π -stacking contacts in Co(II), Ni(II) and Cu(II) coordination compounds of pyridine-2,6-dicarboxylates: Antiproliferative evaluation and theoretical studies. <i>Inorganica Chimica Acta</i> , 2020 , 501, 119233	2.7	20
21	Energetically significant unconventional O H \cdots π contacts involving discrete guest (H ₂ O) ₈ clusters in a fumarato bridged polymeric supramolecular host of Ni(II) phenanthroline: Antiproliferative evaluation and theoretical studies. <i>Polyhedron</i> , 2020 , 176, 114266	2.7	21
20	Unconventional formation of a 1D-chain of H-bonded water molecules in bipyridine-based supramolecular hexameric hosts of isostructural coordination compounds of Co(II) and Zn(II): Antiproliferative evaluation and theoretical studies. <i>Polyhedron</i> , 2020 , 191, 114809	2.7	13
19	Oxalato bridged coordination polymer of manganese(III) involving unconventional O \cdots π hole(nitrile) and antiparallel nitrile \cdots nitrile contacts: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2020 , 44, 20021-20038	3.6	13
18	Supramolecular association involving antiparallel CO \cdots CO and anion \cdots π contacts in Co(II) and Mn(II) complexes involving 2,5-pyridinedicarboxylate: Anticancer evaluation and theoretical studies. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119108	2.7	14
17	Supramolecular association in Cu(II) coordination complexes involving energetically significant NO \cdots NO π hole interaction and cooperative π -stacked ternary assembly: Experimental and theoretical studies. <i>Inorganica Chimica Acta</i> , 2019 , 488, 159-169	2.7	31
16	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	2.7	25
15	Solvent-driven structural topology involving energetically significant intra- and intermolecular chelate ring contacts and anticancer activities of Cu(ii) phenanthroline complexes involving benzoates: experimental and theoretical studies.. <i>RSC Advances</i> , 2019 , 9, 16339-16356	3.7	38
14	Cu(II) and Co(II) coordination solids involving unconventional parallel nitrile \cdots nitrile π and energetically significant cooperative hydrogen bonding interactions: Experimental and theoretical studies. <i>Journal of Molecular Structure</i> , 2019 , 1195, 733-743	3.4	21
13	Energetically favorable anti-electrostatic hydrogen bonded cationic clusters in Ni(II) 3,5-dimethylpyrazole complexes: Anticancer evaluation and theoretical studies. <i>Polyhedron</i> , 2019 , 168, 113-126	2.7	31
12	A Supramolecular Dimer of Two Crystallographically Independent Co(II) Phthalate Bipyridine Complexes in One Single Crystal: Synthesis, Crystal Structure, and Thermal Studies. <i>Journal of Structural Chemistry</i> , 2019 , 60, 324-332	0.9	10
11	Energetically significant unconventional π - π contacts involving fumarate in a novel coordination polymer of Zn(II): In-vitro anticancer evaluation and theoretical studies. <i>Inorganica Chimica Acta</i> , 2019 , 493, 1-13	2.7	37
10	An unusual werner type clathrate of Mn(II) benzoate involving energetically significant weak C H \cdots C contacts: A combined experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2019 , 1175, 130-138	3.4	23
9	Antiproliferative evaluation and supramolecular association in Mn(II) and Zn(II) bipyridine complexes: Combined experimental and theoretical studies. <i>Journal of Inorganic Biochemistry</i> , 2019 , 200, 110803	4.2	34
8	Antiproliferative evaluation and supramolecular association involving electrostatically enhanced π - π interaction in isostructural coordination solids of Mn(II), Co(II) and Zn(II) chlorobenzoates: Experimental and theoretical studies. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119161	2.7	13
7	Supramolecular association in Cu(II) and Co(II) coordination complexes of 3,5-dimethylpyrazole: Experimental and theoretical studies. <i>Inorganica Chimica Acta</i> , 2019 , 484, 133-141	2.7	32
6	A novel oxalato bridged supramolecular ternary complex of Cu(II) involving energetically significant π hole interaction: Experimental and theoretical studies. <i>Inorganica Chimica Acta</i> , 2019 , 487, 354-361	2.7	32

5	Supramolecular association involving nitrile–nitrile interactions in polymeric Mn(II) coordination complexes: A combined experimental and theoretical study. <i>Inorganica Chimica Acta</i> , 2019 , 487, 424-432	2.7	25
4	Structural Topology of Weak Non-covalent Interactions in a Layered Supramolecular Coordination Solid of Zinc Involving 3-Aminopyridine and Benzoate: Experimental and Theoretical Studies. <i>Journal of Chemical Crystallography</i> , 2018 , 48, 156-163	0.5	22
3	Supramolecular association involving anion–anion interactions in Cu(II) coordination solids: Experimental and theoretical studies. <i>Polyhedron</i> , 2018 , 151, 381-393	2.7	32
2	Solid and solution structures and DNA binding properties of [MII(4-CNpy) ₂ (SO ₄)(H ₂ O) ₃] \cdot H ₂ O for M=Cu, Co, Ni. <i>Polyhedron</i> , 2012 , 35, 62-68	2.7	12
1	Inverse bilayer structure of mononuclear Co(II) and Ni(II) complexes of the type M(H ₂ O) ₃ (SO ₄)(4-CNpy) ₂ . <i>Acta Crystallographica Section B: Structural Science</i> , 2009 , 65, 467-73		14