

Swapan Dey

List of Publications by Citations

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

50
papers

688
citations

16
h-index

24
g-index

57
ext. papers

804
ext. citations

3.1
avg, IF

4.13
L-index

#	Paper	IF	Citations
50	Characterizations of surfactant synthesized from palm oil and its application in enhanced oil recovery. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 81, 343-355	5.3	63
49	Design and synthesis of a unique ditopic macrocyclic fluorescent receptor containing furan ring as a spacer for the recognition of dicarboxylic acids. <i>Tetrahedron</i> , 2008 , 64, 6358-6363	2.4	40
48	Multiple hydrogen bonds and tautomerism in naphthyridine derivatives. <i>New Journal of Chemistry</i> , 2004 , 28, 700-707	3.6	40
47	Synthesis, characterization, physical and thermodynamic properties of a novel anionic surfactant derived from .. <i>RSC Advances</i> , 2018 , 8, 24485-24499	3.7	36
46	Intracellular detection of hazardous Cd through a fluorescence imaging technique by using a nontoxic coumarin based sensor. <i>Dalton Transactions</i> , 2017 , 46, 2524-2531	4.3	33
45	Microwave-Expedited One-Pot, Two-Component, Solvent-Free Synthesis of Functionalized Pyrimidines. <i>Australian Journal of Chemistry</i> , 2007 , 60, 120	1.2	33
44	Tailor-made naphthyridines: Self-assembling multiple hydrogen-bonded supramolecular architectures from dimer to helix. <i>Journal of Molecular Structure</i> , 2007 , 846, 97-107	3.4	31
43	Side Chain Bromination of Mono and Dimethyl Heteroaromatic and Aromatic Compounds by Solid Phase N-Bromosuccinimide Reaction without Radical Initiator under Microwave. <i>Chemistry Letters</i> , 2004 , 33, 916-917	1.7	30
42	Naphthyridine based fluorescent receptors for the recognition of uric acid. <i>RSC Advances</i> , 2014 , 4, 428-433	3.7	29
41	Dynamic molecular recognition in the generation of a new crystal-engineering motif: a unique case study of a dicarboxylic acid with a ditopic receptor favouring a polymeric over a dimeric hydrogen-bonded supramolecular complex. <i>Tetrahedron Letters</i> , 2005 , 46, 7187-7191	2	23
40	Water switched aggregation/disaggregation strategies of a coumarin-naphthalene conjugated sensor and its selectivity towards Cu ²⁺ and Ag ⁺ ions along with cell imaging studies on human osteosarcoma cells (U-2 OS). <i>New Journal of Chemistry</i> , 2018 , 42, 10983-10988	3.6	21
39	Directed molecular recognition: design and synthesis of neutral receptors for biotin to bind both its functional groups. <i>Journal of Organic Chemistry</i> , 2006 , 71, 7280-7	4.2	19
38	A Simple and Convenient Manganese Dioxide Oxidation of Benzyl Halides to Aromatic Aldehydes under Neutral Condition. <i>Chemistry Letters</i> , 2005 , 34, 194-195	1.7	19
37	Recognition of Dicarboxylic Acid by 6,6'-Dipivaloylamino-3,3'-bipyridine and the Supramolecular Solid State Locking of the Carboxyls in the anti Form. <i>Supramolecular Chemistry</i> , 2006 , 18, 571-574	1.8	18
36	A convenient palladium catalyzed synthesis of symmetric biaryls, biheterocycles and biaryl chiral diamides. <i>Tetrahedron</i> , 2005 , 61, 4289-4295	2.4	17
35	Indole-based distinctive chemosensors for naked-eye detection of CN ⁻ and HSO ₄ ⁻ associated with hydrogen-bonded complex and their DFT study. <i>Supramolecular Chemistry</i> , 2016 , 28, 239-248	1.8	16
34	Syntheses, crystal structures and photo physical aspects of azido-bridged tetranuclear cadmium (II) complexes: DFT/TD-DFT, thermal, antibacterial and anti-biofilm properties. <i>Journal of Molecular Structure</i> , 2019 , 1179, 694-708	3.4	15

33	Detection of Hg ²⁺ and Cs ⁺ with a Rhodamine-Based Sensor and Ethoxy-Substituted Dihydroimidazole Ring Formation Associated with the Reduction of Hg ²⁺ to Hg. <i>ChemistrySelect</i> , 2017 , 2, 1106-1110	1.8	14
32	Lead ion induced chemodosimeter approach of a tripodal hydroxyl-quinoline based phospho-ester through P-O bond cleavage. <i>Dalton Transactions</i> , 2016 , 45, 9187-92	4.3	14
31	Colorimetric Turn on TBET-Sensors for On the spot-Visual detection of HSO ₄ ⁻ in semi-aqueous medium: Experimental and quantum chemical (DFT) studies. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 849-856	8.5	13
30	Recognition of a dicarboxylic acid with dipicolyl urea in solution and in solid phases: intramolecular hydrogen bond inhibiting both pyridine nitrogens from binding carboxyl groups. <i>Tetrahedron</i> , 2008 , 64, 6426-6433	2.4	13
29	Directed H-bonding inhibition in molecular recognition: an NMR case study of the H-bonding of a dicarboxylic acid with a new mixed diamide receptor having one adjacent pyridine-N-oxide. <i>Tetrahedron Letters</i> , 2005 , 46, 1315-1318	2	13
28	A real time colorimetric Two in one-kit for tracking ppb levels of uric acid and Hg ²⁺ in live HeLa S3 cells and Hg ²⁺ induced keto-enol tautomerism. <i>RSC Advances</i> , 2016 , 6, 62990-62998	3.7	13
27	Heterometallic Zn(II)-K(I) complex with salen-type Schiff-base ligand: Synthesis, crystal structure, solid-state photoluminescent property and theoretical study. <i>Journal of Molecular Structure</i> , 2019 , 1185, 112-120	3.4	13
26	A bis-hydrazone derivative of 2,5-furandicarboxaldehyde with perfect hetero-atomic cavity for selective sensing of Hg(II) and its intracellular detection in living HeLa S3 cell. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 1181-1190	8.5	12
25	Dicyanamide-intertwined assembly of two new Zn complexes based on NO-type pro-ligand: Synthesis, crystal networks, spectroscopic insights, and selective nitroaromatic turn-off fluorescence sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 254, 119612	4.4	12
24	Synthesis, characterizations and single crystal structure of di-nuclear azido-bridged Cd(II) coordination polymer with Schiff base precursor (H ₂ L ^{pent} OMe): DFT, fluorescence, solvatochromism and in vitro antimicrobial assay. <i>Inorganica Chimica Acta</i> , 2019 , 496, 119069	2.7	10
23	Synthesis of Rhodamine-Based Chemosensor for Fe ³⁺ Selective Detection with off-On Mechanism and its Biological Application in DL-Tumor Cells. <i>ChemistrySelect</i> , 2017 , 2, 2969-2974	1.8	9
22	Nitrato, Pseudohalo-Linked Zn(II)/Cd(II) Schiff-Base Complexes with 1,3-Diimine Spacer Group: Syntheses, Crystal Structures, DFT, TD-DFT and Fluorescence Studies. <i>ChemistrySelect</i> , 2018 , 3, 12371-12382	1.8	9
21	Recognition of Al ³⁺ through the off-on mechanism as a proficient driving force for the hydrolysis of BODIPY conjugated Schiff base and its application in bio-imaging. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119157	2.7	8
20	Highly selective and safe In vitro-Detection of biologically important Uric acid in living cells by a new fluorescent Turn-on-probe along with quantum chemical calculation. <i>Sensors and Actuators B: Chemical</i> , 2018 , 264, 208-215	8.5	6
19	A series of ditopic receptors for succinic acid binding. <i>RSC Advances</i> , 2014 , 4, 51486-51495	3.7	6
18	A Non-Perilous Coumarin-Based Ratiometric Probe for ?In Vitro? Detection of Cu through Cell Imaging Technique. <i>ChemistrySelect</i> , 2017 , 2, 8270-8277	1.8	5
17	Unusual absence of FRET in triazole bridged coumarin-hydroxyquinoline, an active sensor for Hg ²⁺ detection. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 1211-1221	4.2	5
16	Directed molecular recognition: furfurylamine appended ditopic receptor for succinic acid. <i>Supramolecular Chemistry</i> , 2014 , 26, 769-776	1.8	4

15	Application of the Meerwein reaction of 1,4-benzoquinone to a metal-free synthesis of benzofuropyridine analogues. <i>Beilstein Journal of Organic Chemistry</i> , 2021 , 17, 977-982	2.5	4
14	Detection of Hg ²⁺ ion using highly selective fluorescent chemosensor in real water sample and in-vitro cell study upon breast adenocarcinoma (MCF-7). <i>Supramolecular Chemistry</i> , 2019 , 31, 382-390	1.8	3
13	Polyurethane network using 1-naphthylamine embedded epoxy-based polymer: ferric ion selective fluorescent probe. <i>Polymer Bulletin</i> , 2019 , 76, 205-213	2.4	3
12	Epoxy-based polymer incorporating 1-naphthylamine and sebacic acid moieties: A selective fluorescent sensor for ferric ions. <i>Journal of Molecular Structure</i> , 2019 , 1180, 406-410	3.4	3
11	Photo-physical aspects of BODIPY-coumarin conjugated sensor and detection of Al ³⁺ in MCF-7 cell. <i>Supramolecular Chemistry</i> , 2019 , 31, 695-702	1.8	2
10	Novel Class of Isoxazole-Based Gelators for the Separation of Bisphenol A from Water and Cleanup of Oil Spills. <i>ACS Omega</i> , 2020 , 5, 8613-8618	3.9	2
9	N-[6-(Hydroxymethyl)pyridin-2-yl]-2,2-dimethylpropanamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o105-o107		2
8	Tandem Nenitzescu Reaction/Nucleophilic Aromatic Substitution to Form Novel Pyrido Fused Indole Frameworks. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 4865-4875	3.2	2
7	Dual core clickate fluorophores for selective recognition of Cu ²⁺ and Ni ²⁺ along with live cell imaging. <i>Inorganica Chimica Acta</i> , 2020 , 509, 119655	2.7	1
6	Steric inhibition of hydrogen bonding in molecular recognition of dicarboxylic acids: di-topic receptors containing a nitro group designed to behave like monotopic receptors. <i>RSC Advances</i> , 2014 , 4, 49663-49671	3.7	1
5	2-Amino-6-(hydroxymethyl)pyridine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o3225-o3227		1
4	Template-Assisted Regioselective Identification of Metal Ions on Coumarin-Furan Conjugated Chemosensors: AIEE Effect and Photo-Switching pH Indicator by ICT. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3771-3777	2.3	1
3	d-Mannitol based surfactants for cosmetic and food applications and hydrogels to produce stabilized Ag nanoparticles. <i>New Journal of Chemistry</i> , 2022 , 46, 6193-6200	3.6	1
2	Strategy to Design a Flexible and Macromolecular Sensor to Bind Cd Ions: A Complete Photophysical Analysis and Bio-Imaging Study. <i>ACS Omega</i> , 2021 , 6, 27936-27945	3.9	0
1	Specificity in Crystal Engineering: Polymerisation and Dimerisation Motif Design in Pyridine System. <i>Letters in Organic Chemistry</i> , 2007 , 4, 448-451	0.6	