Sushanta Debnath

List of Publications by Year
in descending order

34	1,491	279487 23	377514 34
papers	citations	h-index	g-index

34	34	34	2117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of free soluble iron on thermal aggregation of hemoglobin. Biophysical Chemistry, 2021, 269, 106527.	1.5	4
2	Exploration of interfacial dynamics in squaraine based nanohybrids for potential photodynamic action. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 380, 111842.	2.0	12
3	l-Cysteine-Conjugated Ruthenium Hydrous Oxide Nanomaterials with Anticancer Active Application. Langmuir, 2018, 34, 1447-1456.	1.6	8
4	Flow Cytometric Analysis of Protein Aggregates. Protein and Peptide Letters, 2018, 24, 969-973.	0.4	2
5	Intracellular detection of hazardous Cd²⁺ through a fluorescence imaging technique by using a nontoxic coumarin based sensor. Dalton Transactions, 2017, 46, 2524-2531.	1.6	43
6	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. Sensors and Actuators B: Chemical, 2017, 243, 1181-1190.	4.0	16
7	Hydrous ZrO2 decorated polyaniline nanofibres: Synthesis, characterization and application as an efficient adsorbent for water defluoridation. Journal of Colloid and Interface Science, 2017, 508, 342-358.	5.0	30
8	A Nonâ€Perilous Coumarinâ€Based Ratiometric Probe for â€²In Vitroâ€² Detection of Cu through Cell Imaging Technique. ChemistrySelect, 2017, 2, 8270-8277.	0.7	6
9	Ultrasound assisted adsorptive removal of hazardous dye Safranin O from aqueous solution using crosslinked graphene oxide-chitosan (GO CH) composite and optimization by response surface methodology (RSM) approach. Carbohydrate Polymers, 2017, 175, 509-517.	5.1	24
10	Competitive adsorption of ternary dye mixture using pine cone powder modified with Î²-cyclodextrin. Journal of Molecular Liquids, 2017, 225, 679-688.	2.3	56
11	Photoinduced Dynamics and Toxicity of a Cancer Drug in Proximity of Inorganic Nanoparticles under Visible Light. ChemPhysChem, 2016, 17, 270-277.	1.0	24
12	Hydrous TiO₂@polypyrrole hybrid nanocomposite as an efficient selective scavenger for the defluoridation of drinking water. RSC Advances, 2016, 6, 99482-99495.	1.7	18
13	Rapid and efficient removal of fluoride ions from aqueous solution using a polypyrrole coated hydrous tin oxide nanocomposite. Journal of Colloid and Interface Science, 2016, 476, 103-118.	5.0	55
14	Preparation, characterization and evaluation of fluoride adsorption efficiency from water of iron-aluminium oxide-graphene oxide composite material. Chemical Engineering Journal, 2016, 306, 269-279.	6.6	90
15	Study of Gallium Oxide Nanoparticles Conjugated with Î²-Cyclodextrin: An Application To Combat Cancer. ACS Applied Materials & Interfaces, 2016, 8, 17127-17137.	4.0	29
16	A real time colorimetric â€˜two in oneâ€™ kit for tracking ppb levels of uric acid and Hg2+ in live HeLa S3 cells and Hg2+ induced ketoâ€“enol tautomerism. RSC Advances, 2016, 6, 62990-62998.	1.7	13
17	Development of a polyaniline-lignocellulose composite for optimal adsorption of Congo red. International Journal of Biological Macromolecules, 2015, 75, 199-209.	3.6	55
18	Efficient removal of Reactive Black from aqueous solution using polyaniline coated ligno-cellulose composite as a potential adsorbent. Journal of Molecular Liquids, 2015, 209, 387-396.	2.3	39

#	Article	IF	Citations
19	Optimization and mechanism elucidation of the catalytic photo-degradation of the dyes Eosin Yellow (EY) and Naphthol blue black (NBB) by a polyaniline-coated titanium dioxide nanocomposite. Applied Catalysis B: Environmental, 2015, 163, 330-342.	10.8	87
20	Single stage batch adsorber design for efficient Eosin yellow removal by polyaniline coated ligno-cellulose. International Journal of Biological Macromolecules, 2015, 72, 732-739.	3.6	37
21	Magnetic chitosanâ€“GO nanocomposite: Synthesis, characterization and batch adsorber design for Cr(VI) removal. Journal of Environmental Chemical Engineering, 2014, 2, 963-973.	3.3	123
22	Removal of Congo red from aqueous solution by two variants of calcium and iron based mixed oxide nano-particle agglomerates. Journal of Industrial and Engineering Chemistry, 2014, 20, 2119-2129.	2.9	32
23	Impact of process parameters on removal of Congo red by graphene oxide from aqueous solution. Journal of Environmental Chemical Engineering, 2014, 2, 260-272.	3.3	66
24	Mechanistic Insight for the Sorption of Cd(II) and Cu(II) from Aqueous Solution on Magnetic Mn-Doped Fe(III) Oxide Nanoparticle Implanted Graphene. Journal of Chemical & Engineering Data, 2013, 58, 2809-2818.	1.0	36
25	Arsenic bioaccumulation in rice and edible plants and subsequent transmission through food chain in Bengal basin: a review of the perspectives for environmental health. Toxicological and Environmental Chemistry, 2012, 94, 429-441.	0.6	97
26	Adsorptionâ€“Desorption Behavior of Cadmium(II) and Copper(II) on the Surface of Nanoparticle Agglomerates of Hydrous Titanium(IV) Oxide. Journal of Chemical & Engineering Data, 2011, 56, 3021-3028.	1.0	17
27	Equilibrium modeling of single and binary adsorption of Cd(II) and Cu(II) onto agglomerated nano structured titanium(IV) oxide. Desalination, 2011, 273, 330-342.	4.0	56
28	Characterization of Agglomerated Nanosized Titanium(IV) Oxide Prepared by Two Pathways and Their Performance Toward Cu(II) Adsorption. International Journal of Green Nanotechnology, 2011, 3, 271-280.	0.3	6
29	Removal of Ni(II) and Cr(VI) with Titanium(IV) Oxide Nanoparticle Agglomerates in Fixed-Bed Columns. Industrial & Engineering Chemistry Research, 2010, 49, 2031-2039.	1.8	29
30	Physicochemical Aspects on Fluoride Adsorption for Removal from Water by Synthetic Hydrous Iron(III) â€“ Chromium(III) Mixed Oxide. Separation Science and Technology, 2010, 45, 472-485.	1.3	40
31	Nanostructured hydrous titanium(IV) oxide: Synthesis, characterization and Ni(II) adsorption behavior. Chemical Engineering Journal, 2009, 152, 480-491.	6.6	80
32	Kinetics, isotherm and thermodynamics for Cr(III) and Cr(VI) adsorption from aqueous solutions by crystalline hydrous titanium oxide. Journal of Chemical Thermodynamics, 2008, 40, 67-77.	1.0	156
33	Title is missing!. Water, Air, and Soil Pollution, 2003, 143, 245-256.	1.1	38
34	Removal of Arsenic from Groundwater using Crystalline Hydrous Ferric Oxide (CHFO). Water Quality Research Journal of Canada, 2003, 38, 193-210.	1.2	67