

Sujoy K Das

List of Publications by Year in descending order

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56
papers

4,367
citations

116194

36
h-index

175968

55
g-index

56
all docs

56
docs citations

56
times ranked

6855
citing authors

#	ARTICLE	IF	CITATIONS
1	Incorporations of gold, silver and carbon nanomaterials to kombucha-derived bacterial cellulose: Development of antibacterial leather-like materials. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100278.	1.3	10
2	Biomolecule-assisted synthesis of biomimetic nanocomposite hydrogel for hemostatic and wound healing applications. <i>Green Chemistry</i> , 2021, 23, 629-669.	4.6	56
3	Rationally designed <i>Shewanella oneidensis</i> Biofilm Tailored Graphene-Magnetite Hybrid Nanobiocomposite as Reusable Living Functional Nanomaterial for Effective Removal of Trivalent Chromium. <i>Environmental Pollution</i> , 2021, 278, 116847.	3.7	5
4	Strategies toward development of antimicrobial biomaterials for dental healthcare applications. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4590-4622.	1.7	9
5	Antibacterial and Antibiofouling Activities of Antimicrobial Peptide-Functionalized Graphene-Silver Nanocomposites for the Inhibition and Disruption of <i>Staphylococcus aureus</i> Biofilms. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5899-5917.	2.6	18
6	Fabrication of Chitosan-Reinforced Multifunctional Graphene Nanocomposite as Antibacterial Scaffolds for Hemorrhage Control and Wound-Healing Application. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5911-5929.	2.6	41
7	Engineering of MoS ₂ Quantum Dots/PANI Aerogel for High Performance Supercapacitor. <i>Macromolecular Symposia</i> , 2019, 386, 1800242.	0.4	6
8	Self-Assembled Nanostructured MoS ₂ Quantum Dot Polyaniline Hybrid Gels for High Performance Solid State Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 6642-6654.	2.5	30
9	Biofabrication of supported metal nanoparticles: exploring the bioinspiration strategy to mitigate the environmental challenges. <i>Green Chemistry</i> , 2019, 21, 5469-5500.	4.6	46
10	Sustainable Nanostructured Materials for Culturing of Various Biological Cells. , 2019, , 101-124.		0
11	Bio-Reduced Graphene Oxide as a Nanoscale Antimicrobial Coating for Medical Devices. <i>ACS Omega</i> , 2019, 4, 387-397.	1.6	42
12	Biomaterial Functionalized Graphene-Magnetite Nanocomposite: A Novel Approach for Simultaneous Removal of Anionic Dyes and Heavy-Metal Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6328-6341.	3.2	91
13	Gallic Acid and Gallates in Human Health and Disease: Do Mitochondria Hold the Key to Success?. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700699.	1.5	73
14	Facile synthesis, biofilm disruption properties and biocompatibility study of a poly-cationic peptide functionalized graphene-silver nanocomposite. <i>Biomaterials Science</i> , 2018, 6, 3356-3372.	2.6	31
15	Microcapsules from diverse polyfunctional materials: synergistic interactions for a sharp response to pH changes. <i>New Journal of Chemistry</i> , 2018, 42, 8366-8373.	1.4	7
16	Metal Nanoparticle Loaded Magnetic-Chitosan Microsphere: Water Dispersible and Easily Separable Hybrid Metal Nano-biomaterial for Catalytic Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 489-501.	3.2	95
17	Fabrication of nanoporous sodium niobate coating on 316L SS for orthopaedics. <i>Ceramics International</i> , 2017, 43, 11569-11579.	2.3	19
18	Fabrication of Nontoxic Reduced Graphene Oxide Protein Nanoframework as Sustained Antimicrobial Coating for Biomedical Application. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38255-38269.	4.0	62

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19	Enhancement of Energy Storage and Photoresponse Properties of Folic Acid–Polyaniline Hybrid Hydrogel by in Situ Growth of Ag Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28055-28067.	4.0	61
20	Fungal surface protein mediated one-pot synthesis of stable and hemocompatible gold nanoparticles. <i>Enzyme and Microbial Technology</i> , 2016, 95, 76-84.	1.6	50
21	Effect of gemini surfactant (16-6-16) on the synthesis of silver nanoparticles: A facile approach for antibacterial application. <i>Enzyme and Microbial Technology</i> , 2016, 95, 118-127.	1.6	21
22	Biosynthetic nanoparticles for biotechnological and biomedical applications. <i>Enzyme and Microbial Technology</i> , 2016, 95, 1-3.	1.6	5
23	Antibacterial Effects of Biosynthesized Silver Nanoparticles on Surface Ultrastructure and Nanomechanical Properties of Gram-Negative Bacteria viz. <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4963-4976.	4.0	377
24	Antimicrobial behavior of biosynthesized silica–silver nanocomposite for water disinfection: A mechanistic perspective. <i>Journal of Hazardous Materials</i> , 2015, 290, 117-126.	6.5	64
25	Facile Synthesis of Silver Nanoparticles Decorated Magnetic-Chitosan Microsphere for Efficient Removal of Dyes and Microbial Contaminants. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2291-2302.	3.2	125
26	Cationic Surfactant (CTAC) Assisted Synthesis of Silver Nanoparticles with Controlled Size: Optical, Morphological and Bactericidal Studies. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2015, 5, 124-131.	0.3	7
27	Impact of Surface Functionalization of AgNPs on Binding and Conformational Change of Hemoglobin (Hb) and Hemolytic Behavior. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29739-29749.	1.5	33
28	Understanding the Biosynthesis and Catalytic Activity of Pd, Pt, and Ag Nanoparticles in Hydrogenation and Suzuki Coupling Reactions at the Nano–Bio Interface. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24623-24632.	1.5	65
29	Synthesis and Association of Ag(0) Nanoparticles in Aqueous Nonionic Surfactant Triton X-100 Solution: A Facile Approach for Antibacterial Application. <i>Materials Focus</i> , 2014, 3, 156-162.	0.4	11
30	Bio-inspired fabrication of silver nanoparticles on nanostructured silica: characterization and application as a highly efficient hydrogenation catalyst. <i>Green Chemistry</i> , 2013, 15, 2548.	4.6	101
31	Nano-silica fabricated with silver nanoparticles: antifouling adsorbent for efficient dye removal, effective water disinfection and biofouling control. <i>Nanoscale</i> , 2013, 5, 5549.	2.8	204
32	Synthesis, characterization and catalytic activity of gold nanoparticles biosynthesized with <i>Rhizopus oryzae</i> protein extract. <i>Green Chemistry</i> , 2012, 14, 1322.	4.6	336
33	Biotechnological Potential of Soil Isolate, <i>Flavobacterium mizutaii</i> for Removal of Azo Dyes: Kinetics, Isotherm, and Microscopic Study. <i>Separation Science and Technology</i> , 2012, 47, 1913-1925.	1.3	16
34	Click-polymerization on a self-assembled monolayer: a convenient approach to functionalize various surfaces with polytriazoles. <i>Chemical Communications</i> , 2012, 48, 12068.	2.2	24
35	Surface functionalization of <i>Aspergillus versicolor</i> mycelia: in situ fabrication of cadmium sulphide nanoparticles and removal of cadmium ions from aqueous solution. <i>RSC Advances</i> , 2012, 2, 3000.	1.7	40
36	Silver-nano biohybride material: Synthesis, characterization and application in water purification. <i>Bioresource Technology</i> , 2012, 124, 495-499.	4.8	112

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37	Biominalization Mechanism of Gold by Zygomycete Fungi <i>Rhizopus oryzae</i> . ACS Nano, 2012, 6, 6165-6173.	7.3	146
38	Interaction of malathion, an organophosphorus pesticide with <i>Rhizopus oryzae</i> biomass. Journal of Hazardous Materials, 2010, 174, 47-53.	6.5	75
39	A green chemical approach for the synthesis of gold nanoparticles: characterization and mechanistic aspect. Reviews in Environmental Science and Biotechnology, 2010, 9, 199-204.	3.9	97
40	A study on lead adsorption by <i>Mucor rouxii</i> biomass. Desalination, 2010, 251, 96-102.	4.0	58
41	Microbial Synthesis of Multishaped Gold Nanostructures. Small, 2010, 6, 1012-1021.	5.2	129
42	Jute stick powder as a potential biomass for the removal of congo red and rhodamine B from their aqueous solution. Journal of Hazardous Materials, 2009, 164, 374-379.	6.5	188
43	Biosorption of hexavalent chromium by <i>Termitomyces clypeatus</i> biomass: Kinetics and transmission electron microscopic study. Journal of Hazardous Materials, 2009, 167, 685-691.	6.5	50
44	Adsorption behavior of lindane on <i>Rhizopus oryzae</i> biomass: Physico-chemical studies. Journal of Hazardous Materials, 2009, 172, 485-490.	6.5	32
45	Structural and Nanomechanical Properties of <i>Termitomyces clypeatus</i> Cell Wall and Its Interaction with Chromium(VI). Journal of Physical Chemistry B, 2009, 113, 1485-1492.	1.2	12
46	Adsorption Behavior of Mercury on Functionalized <i>Aspergillus versicolor</i> Mycelia: Atomic Force Microscopic Study. Langmuir, 2009, 25, 360-366.	1.6	47
47	Gold Nanoparticles: Microbial Synthesis and Application in Water Hygiene Management. Langmuir, 2009, 25, 8192-8199.	1.6	299
48	Biosorption of cadmium and nickel by functionalized husk of <i>Lathyrus sativus</i> . Colloids and Surfaces B: Biointerfaces, 2008, 62, 173-179.	2.5	74
49	Adsorption behavior of copper ions on <i>Mucor rouxii</i> biomass through microscopic and FTIR analysis. Colloids and Surfaces B: Biointerfaces, 2008, 63, 138-145.	2.5	66
50	Adsorption of rhodamine B on <i>Rhizopus oryzae</i> : Role of functional groups and cell wall components. Colloids and Surfaces B: Biointerfaces, 2008, 65, 30-34.	2.5	82
51	Interaction of Chromium with Resistant Strain <i>Aspergillus versicolor</i> : Investigation with Atomic Force Microscopy and Other Physical Studies. Langmuir, 2008, 24, 8643-8650.	1.6	46
52	A Study on the Adsorption Mechanism of Mercury on <i>Aspergillus versicolor</i> Biomass. Environmental Science & Technology, 2007, 41, 8281-8287.	4.6	183
53	Adsorption of nickel on husk of <i>Lathyrus sativus</i> : Behavior and binding mechanism. Colloids and Surfaces B: Biointerfaces, 2007, 57, 135-142.	2.5	101
54	Biosorption of chromium by <i>Termitomyces clypeatus</i> . Colloids and Surfaces B: Biointerfaces, 2007, 60, 46-54.	2.5	118

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55	Adsorption Behavior of Rhodamine B on Rhizopusoryzae Biomass. Langmuir, 2006, 22, 7265-7272.	1.6	188
56	Adsorption of cadmium on husk of Lathyrus sativus: Physico-chemical study. Colloids and Surfaces B: Biointerfaces, 2006, 50, 49-54.	2.5	83