

Shashwat S Banerjee

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,042
citations

201385

27
h-index

189595

50
g-index

55
all docs

55
docs citations

55
times ranked

4700
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast removal of copper ions by gum arabic modified magnetic nano-adsorbent. <i>Journal of Hazardous Materials</i> , 2007, 147, 792-799.	6.5	471
2	Direct laser processing of a tantalum coating on titanium for bone replacement structures. <i>Acta Biomaterialia</i> , 2010, 6, 2329-2334.	4.1	265
3	Poly(ethylene glycol)-Prodrug Conjugates: Concept, Design, and Applications. <i>Journal of Drug Delivery</i> , 2012, 2012, 1-17.	2.5	201
4	Magnetic Nanoparticles Grafted with Cyclodextrin for Hydrophobic Drug Delivery. <i>Chemistry of Materials</i> , 2007, 19, 6345-6349.	3.2	186
5	Zn- and Mg-Doped Hydroxyapatite Nanoparticles for Controlled Release of Protein. <i>Langmuir</i> , 2010, 26, 4958-4964.	1.6	184
6	Treatment of oil spill by sorption technique using fatty acid grafted sawdust. <i>Chemosphere</i> , 2006, 64, 1026-1031.	4.2	178
7	Understanding the influence of MgO and SrO binary doping on the mechanical and biological properties of β -TCP ceramics. <i>Acta Biomaterialia</i> , 2010, 6, 4167-4174.	4.1	152
8	Understanding in vivo response and mechanical property variation in MgO, SrO and SiO ₂ doped β -TCP. <i>Bone</i> , 2011, 48, 1282-1290.	1.4	136
9	Multifunctional pH-sensitive magnetic nanoparticles for simultaneous imaging, sensing and targeted intracellular anticancer drug delivery. <i>Nanotechnology</i> , 2008, 19, 505104.	1.3	94
10	Removal of Cr(VI) and Hg(II) from Aqueous Solutions Using Fly Ash and Impregnated Fly Ash. <i>Separation Science and Technology</i> , 2005, 39, 1611-1629.	1.3	88
11	Electrically Polarized Biphasic Calcium Phosphates: Adsorption and Release of Bovine Serum Albumin. <i>Langmuir</i> , 2010, 26, 16625-16629.	1.6	86
12	Budding trends in integrated pest management using advanced micro- and nano-materials: Challenges and perspectives. <i>Journal of Environmental Management</i> , 2016, 184, 157-169.	3.8	86
13	Cellular imaging using biocompatible dendrimer-functionalized graphene oxide-based fluorescent probe anchored with magnetic nanoparticles. <i>Nanotechnology</i> , 2012, 23, 415101.	1.3	74
14	PEG-conjugated highly dispersive multifunctional magnetic multi-walled carbon nanotubes for cellular imaging. <i>Nanoscale</i> , 2012, 4, 837-844.	2.8	68
15	Synthesis of nanocrystalline hydroxyapatite using surfactant template systems: Role of templates in controlling morphology. <i>Materials Science and Engineering C</i> , 2009, 29, 2294-2301.	3.8	59
16	Self-Propelling Targeted Magneto-Nanobots for Deep Tumor Penetration and pH-Responsive Intracellular Drug Delivery. <i>Scientific Reports</i> , 2020, 10, 4703.	1.6	57
17	Cyclodextrin conjugated magnetic colloidal nanoparticles as a nanocarrier for targeted anticancer drug delivery. <i>Nanotechnology</i> , 2008, 19, 265602.	1.3	54
18	Removal of Nickel(II) and Zinc(II) from Wastewater Using Fly Ash and Impregnated Fly Ash. <i>Separation Science and Technology</i> , 2003, 38, 1015-1032.	1.3	52

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19	Treatment of oil spills using organo-fly ash. <i>Desalination</i> , 2006, 195, 32-39.	4.0	49
20	Glucose-Grafted Gum Arabic Modified Magnetic Nanoparticles: Preparation and Specific Interaction with Concanavalin A. <i>Chemistry of Materials</i> , 2007, 19, 3667-3672.	3.2	48
21	A multifunctional magnetic nanocarrier bearing fluorescent dye for targeted drug delivery by enhanced two-photon triggered release. <i>Nanotechnology</i> , 2009, 20, 185103.	1.3	48
22	ZnO, SiO ₂ , and SrO doping in resorbable tricalcium phosphates: Influence on strength degradation, mechanical properties, and <i>in vitro</i> bone-cell material interactions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 2203-2212.	1.6	40
23	Chemical synthesis and sensing in inexpensive thread-based microdevices. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 439-445.	4.0	39
24	Cyclodextrin-conjugated nanocarrier for magnetically guided delivery of hydrophobic drugs. <i>Journal of Nanoparticle Research</i> , 2009, 11, 2071-2078.	0.8	34
25	Grafting of Hydroxypropyl Cyclodextrin on Gum Arabic Modified Iron Oxide Nanoparticles as a Magnetic Carrier for Targeted Delivery of Hydrophobic Anticancer Drug. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 111-118.	1.1	34
26	Biphasic Resorbable Calcium Phosphate Ceramic for Bone Implants and Local Alendronate Delivery. <i>Advanced Engineering Materials</i> , 2010, 12, B148.	1.6	29
27	Transferrin Mediated Rapid Targeting, Isolation, and Detection of Circulating Tumor Cells by Multifunctional Magneto-Dendritic Nanosystem. <i>Advanced Healthcare Materials</i> , 2013, 2, 800-805.	3.9	27
28	Self-propelled carbon nanotube based microrockets for rapid capture and isolation of circulating tumor cells. <i>Nanoscale</i> , 2015, 7, 8684-8688.	2.8	25
29	pH Tunable Fluorescent Calcium Phosphate Nanocomposite for Sensing and Controlled Drug Delivery. <i>Advanced Engineering Materials</i> , 2011, 13, B10-B17.	1.6	22
30	Calcium phosphate nanocapsule crowned multiwalled carbon nanotubes for pH triggered intracellular anticancer drug release. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3931-3939.	2.9	20
31	Enhancing Surface Interactions with Colon Cancer Cells on a Transferrin Conjugated 3D Nanostructured Substrate. <i>Small</i> , 2012, 8, 1657-1663.	5.2	18
32	Effect of quaternary ammonium cations on dye sorption to fly ash from aqueous media. <i>Journal of Colloid and Interface Science</i> , 2006, 303, 477-483.	5.0	16
33	Water-powered self-propelled magnetic nanobot for rapid and highly efficient capture of circulating tumor cells. <i>Communications Chemistry</i> , 2021, 4, .	2.0	15
34	Resorbable Tricalcium Phosphates for Bone Tissue Engineering: Influence of SrO Doping. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3095-3102.	1.9	12
35	Poly(ethylene glycol) versus Dendrimer Prodrug Conjugates: Influence of Prodrug Architecture in Cellular Uptake and Transferrin Mediated Targeting. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 776-789.	0.5	12
36	Cell deformation and acquired drug resistance: elucidating the major influence of drug-nanocarrier delivery systems. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1852-1862.	2.9	10

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37	Biofunctionalized Capillary Flow Channel Platform Integrated with 3D Nanostructured Matrix to Capture Circulating Tumor Cells. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600934.	1.9	8
38	Removal of Disperse Dyes from Aqueous Solution Using Sawdust and BDTDA-Sawdust. <i>Journal of Dispersion Science and Technology</i> , 2007, 28, 1066-1071.	1.3	7
39	Fabrication of pH-Tunable Calcium Phosphate Nanocapsules via Dendrimer-Templated Assembly for Intracellular Lysosomal Release of Drugs. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 494-500.	1.2	7
40	Biophysical Interactions of Polyamidoamine Dendrimer Coordinated Fe ₃ O ₄ Nanoparticles with Insulin. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1286-1293.	0.5	5
41	Nanocarrier anticancer drug-conjugates cause higher cellular deformations: culpable for mischief. <i>Biomaterials Science</i> , 2020, 8, 5729-5738.	2.6	5
42	Structure effect of carbon nanovectors in regulation of cellular responses. <i>Biomaterials Science</i> , 2014, 2, 57-66.	2.6	4
43	Designing Multicomponent Nanosystems for Rapid Detection of Circulating Tumor Cells. <i>Methods in Molecular Biology</i> , 2017, 1530, 271-281.	0.4	4
44	Cellular regeneration and proliferation on polymeric 3D inverse-space substrates and the effect of doxorubicin. <i>Nanoscale Advances</i> , 2020, 2, 2315-2325.	2.2	3
45	Selective Cell Isolation by Transferrin Functionalized Silane-Carbon Soot Mediated Superhydrophobic Micropatterns. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701581.	1.9	2
46	A graphene-sandwiched DNA nano-system: regulation of intercalated doxorubicin for cellular localization. <i>Nanoscale Advances</i> , 2020, 2, 5746-5759.	2.2	2
47	Designing 3D-nanosubstrates mimicking biological cell growth: pitfalls of using 2D substrates in the evaluation of anticancer efficiency. <i>Nanoscale</i> , 2021, 13, 17473-17485.	2.8	2
48	Cell Targeting: Transferrin-Mediated Rapid Targeting, Isolation, and Detection of Circulating Tumor Cells by Multifunctional Magneto-Dendritic Nanosystem (<i>Adv. Healthcare Mater.</i> 6/2013). <i>Advanced Healthcare Materials</i> , 2013, 2, 770-770.	3.9	1
49	Prodrug Conjugate Strategies in Targeted Anticancer Drug Delivery Systems. <i>Advances in Delivery Science and Technology</i> , 2015, , 367-387.	0.4	1
50	Computer Vision and Machine Learning Techniques for Quantification and Predictive Modeling of Intracellular Anti-Cancer Drug Delivery by Nanocarriers. <i>Applied AI Letters</i> , 0, , e50.	1.4	1
51	Nanoparticle Properties Modulate Their Effect on the Human Blood Functions. <i>BioNanoScience</i> , 2021, 11, 816-824.	1.5	0