Sudip Mukherjee

List of Publications by Year
in descending order

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Version: 2024-02-01

61	4,521	109137	168136
papers	citations	35 h-index	53 g-index

62	62	62	5694
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Potential Theranostics Application of Bio-Synthesized Silver Nanoparticles (4-in-1 System). Theranostics, 2014, 4, 316-335.	4.6	421
2	Green synthesis, characterization of gold and silver nanoparticles and their potential application for cancer therapeutics. Materials Science and Engineering C, 2015, 53, 298-309.	3.8	318
3	Biosynthesis of Metal Nanoparticles via Microbial Enzymes: A Mechanistic Approach. International Journal of Molecular Sciences, 2018, 19, 4100.	1.8	292
4	Role of plant phytochemicals and microbial enzymes in biosynthesis of metallic nanoparticles. Applied Microbiology and Biotechnology, 2018, 102, 6799-6814.	1.7	258
5	Recent advances in inorganic nanomaterials for wound-healing applications. Biomaterials Science, 2019, 7, 2652-2674.	2.6	188
6	Graphene Oxides Show Angiogenic Properties. Advanced Healthcare Materials, 2015, 4, 1722-1732.	3.9	170
7	Green chemistry approach for the synthesis and stabilization of biocompatible gold nanoparticles and their potential applications in cancer therapy. Nanotechnology, 2012, 23, 455103.	1.3	161
8	Zinc oxide nanoflowers make new blood vessels. Nanoscale, 2012, 4, 7861.	2.8	143
9	Designing Stimuliâ€Responsive Upconversion Nanoparticles that Exploit the Tumor Microenvironment. Advanced Materials, 2020, 32, e2000055.	11.1	143
10	Recent Trends of the Bio-Inspired Nanoparticles in Cancer Theranostics. Frontiers in Pharmacology, 2019, 10, 1264.	1.6	133
11	Gold nanoparticlesâ€“conjugated quercetin induces apoptosis via inhibition of EGFR/PI3K/Aktâ€“mediated pathway in breast cancer cell lines (MCFâ€7 and MDAâ€MBâ€231). Cell Biochemistry and Function, 2017, 35, 217-231.	1.4	131
12	Therapeutic application of anti-angiogenic nanomaterials in cancers. Nanoscale, 2016, 8, 12444-12470.	2.8	126
13	Green Synthesis and Characterization of Monodispersed Gold Nanoparticles: Toxicity Study, Delivery of Doxorubicin and Its Bio-Distribution in Mouse Model. Journal of Biomedical Nanotechnology, 2016, 12, 165-181.	0.5	124
14	Recent Advancements of Magnetic Nanomaterials in Cancer Therapy. Pharmaceutics, 2020, 12, 147.	2.0	119
15	Wound healing applications of biogenic colloidal silver and gold nanoparticles: recent trends and future prospects. Applied Microbiology and Biotechnology, 2018, 102, 4305-4318.	1.7	115
16	Recent Progress in the Theranostics Application of Nanomedicine in Lung Cancer. Cancers, 2019, 11, 597.	1.7	83
17	Recent Advancements of Nanomedicine in Neurodegenerative Disorders Theranostics. Advanced Functional Materials, 2020, 30, 2003054.	7.8	83
18	Novel biosynthesized gold nanoparticles as anti-cancer agents against breast cancer: Synthesis, biological evaluation, molecular modelling studies. Materials Science and Engineering C, 2019, 99, 417-429.	3.8	82

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19	A green chemistry approach for the synthesis of gold nanoconjugates that induce the inhibition of cancer cell proliferation through induction of oxidative stress and their in vivo toxicity study. Journal of Materials Chemistry B, 2015, 3, 3820-3830.	2.9	80
20	Bioconjugated gold nanoparticles accelerate the growth of new blood vessels through redox signaling. Chemical Communications, 2014, 50, 14367-14370.	2.2	77
21	Dendrimerâ€“TPGS mixed micelles for enhanced solubility and cellular toxicity of taxanes. Colloids and Surfaces B: Biointerfaces, 2014, 121, 461-468.	2.5	72
22	Recent Advancements of Nanomedicine towards Antiangiogenic Therapy in Cancer. International Journal of Molecular Sciences, 2020, 21, 455.	1.8	72
23	Biosynthesized silver nanoparticles: a step forward for cancer theranostics?. Nanomedicine, 2014, 9, 1445-1448.	1.7	70
24	Potential therapeutic and diagnostic applications of one-step in situ biosynthesized gold nanoconjugates (2-in-1 system) in cancer treatment. RSC Advances, 2013, 3, 2318.	1.7	63
25	Biologically synthesized metal nanoparticles: recent advancement and future perspectives in cancer theranostics. Future Science OA, 2017, 3, FSO203.	0.9	63
26	Improved delivery of doxorubicin using rationally designed PEGylated platinum nanoparticles for the treatment of melanoma. Materials Science and Engineering C, 2020, 108, 110375.	3.8	59
27	Amplified Fluorescence from Polyfluorene Nanoparticles with Dual State Emission and Aggregation Caused Red Shifted Emission for Live Cell Imaging and Cancer Theranostics. ACS Applied Materials & Interfaces, 2016, 8, 32220-32229.	4.0	53
28	Facile synthesis of carbon dot and residual carbon nanobeads: Implications for ion sensing, medicinal and biological applications. Materials Science and Engineering C, 2017, 73, 643-652.	3.8	53
29	The yin and yang of imaging tumor associated macrophages with PET and MRI. Theranostics, 2019, 9, 7730-7748.	4.6	53
30	Cancer cell-selective promoter recognition accompanies antitumor effect by glucocorticoid receptor-targeted gold nanoparticle. Nanoscale, 2014, 6, 6745.	2.8	52
31	Biosynthesized Gold Nanoparticles: In Vivo Study of Near-Infrared Fluorescence (NIR)-Based Bio-imaging and Cell Labeling Applications. ACS Biomaterials Science and Engineering, 2019, 5, 5439-5452.	2.6	52
32	Silver Prussian Blue Analogue Nanoparticles: Rationally Designed Advanced Nanomedicine for Multifunctional Biomedical Applications. ACS Biomaterials Science and Engineering, 2020, 6, 690-704.	2.6	49
33	Shikimoyl-ligand decorated gold nanoparticles for use in ex vivo engineered dendritic cell based DNA vaccination. Nanoscale, 2019, 11, 7931-7943.	2.8	45
34	Copper Prussian blue analogue: investigation into multifunctional activities for biomedical applications. Chemical Communications, 2015, 51, 7325-7328.	2.2	44
35	Engineered fusion protein-loaded gold nanocarriers for targeted co-delivery of doxorubicin and erbB2-siRNA in human epidermal growth factor receptor-2+ ovarian cancer. Journal of Materials Chemistry B, 2017, 5, 7082-7098.	2.9	42
36	Clinically translatable cytokine delivery platform for eradication of intraperitoneal tumors. Science Advances, 2022, 8, eabm1032.	4.7	35

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37	Aggregation deaggregation influenced selective and sensitive detection of Cu²⁺and ATP by histidine functionalized water-soluble fluorescent perylene diimide under physiological conditions and in living cells. RSC Advances, 2015, 5, 28211-28218.	1.7	34
38	Multifunctional (3-in-1) cancer theranostics applications of hydroxyquinoline-appended polyfluorene nanoparticles. Chemical Science, 2017, 8, 7566-7575.	3.7	32
39	Glucocorticoid receptor-mediated delivery of nano goldâ€“withaferin conjugates for reversal of epithelial-to-mesenchymal transition and tumor regression. Nanomedicine, 2016, 11, 2529-2546.	1.7	31
40	An efficient strategy to assemble water soluble histidine-perylene diimide and graphene oxide for the detection of PPi in physiological conditions and in vitro. Biosensors and Bioelectronics, 2017, 89, 636-644.	5.3	30
41	Biosynthesized Silver Nanoparticles for Cancer Therapy and In Vivo Bioimaging. Cancers, 2021, 13, 6114.	1.7	30
42	Engineered Nanoparticles for Effective Redox Signaling During Angiogenic and Antiangiogenic Therapy. Antioxidants and Redox Signaling, 2019, 30, 786-809.	2.5	28
43	Functionalization of Nanomaterials and Their Application in Melanoma Cancer Theranostics. ACS Biomaterials Science and Engineering, 2020, 6, 167-181.	2.6	28
44	Restoration of p53 Function in Ovarian Cancer Mediated by Gold Nanoparticle-Based EGFR Targeted Gene Delivery System. ACS Biomaterials Science and Engineering, 2019, 5, 3631-3644.	2.6	25
45	Recent advances in the analysis of nanoparticle-protein coronas. Nanomedicine, 2020, 15, 1037-1061.	1.7	25
46	Immune-modulatory alginate protects mesenchymal stem cells for sustained delivery of reparative factors to ischemic myocardium. Biomaterials Science, 2020, 8, 5061-5070.	2.6	24
47	Modulatory Effects of Biosynthesized Gold Nanoparticles Conjugated with Curcumin and Paclitaxel on Tumorigenesis and Metastatic Pathwaysâ€”In Vitro and In Vivo Studies. International Journal of Molecular Sciences, 2022, 23, 2150.	1.8	21
48	Recent progress toward antiangiogenesis application of nanomedicine in cancer therapy. Future Science OA, 2018, 4, FSO318.	0.9	20
49	Polymeric Nanoparticle Based Diagnosis and Nanomedicine for Treatment and Development of Vaccines for Cerebral Malaria: A Review on Recent Advancement. ACS Applied Bio Materials, 2021, 4, 7342-7365.	2.3	14
50	Biological Synthesis of Nanoparticles Using Bacteria. , 2019, , 37-51.		12
51	Green Synthesized Gold Nanoparticles for Future Biomedical Applications. , 2017, , 359-393.		11
52	Acute Toxicity, Biodistribution, and Pharmacokinetics Studies of Pegylated Platinum Nanoparticles in Mouse Model. Advanced NanoBiomed Research, 2021, 1, 2000082.	1.7	11
53	Biocompatible nickel-prussian blue@silver nanocomposites show potent antibacterial activities. Future Science OA, 2017, 3, FSO233.	0.9	10
54	Novel tetraphenylethylene diol amphiphile with aggregation-induced emission: self-assembly, cell imaging and tagging property. Materials Science and Engineering C, 2017, 81, 580-587.	3.8	4

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55	AIE materials for cancer cell detection, bioimaging and theranostics. Progress in Molecular Biology and Translational Science, 2021, 185, 19-44.	0.9	3
56	Nanotechnology for cancer drug design, delivery, and theranostics applications. , 2021, , 1-26.		2
57	Biosynthesized silver nanoparticles in cancer theranostics applications. , 2021, , 141-152.		1
58	Biosynthesized Gold and Silver Nanoparticles in Cancer Theranostics. , 2020, , 1-15.		1
59	Biosynthesized Gold and Silver Nanoparticles in Cancer Theranostics. , 2021, , 759-773.		0
60	Emerging Trends in Immunomodulatory Nanomaterials Toward Cancer Therapy. Synthesis Lectures on Biomedical Engineering, 2021, 16, i-84.	0.1	0
61	Editorial: Immunomodulatory Nanomaterials in Cancer Theranostics. Frontiers in Chemistry, 2021, 9, 691267.	1.8	0