

Sutapa Barua

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,742
citations

471371

17
h-index

454834

30
g-index

30
all docs

30
docs citations

30
times ranked

5510
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges associated with penetration of nanoparticles across cell and tissue barriers: A review of current status and future prospects. <i>Nano Today</i> , 2014, 9, 223-243.	6.2	878
2	Inorganic nanoparticles for cancer imaging and therapy. <i>Journal of Controlled Release</i> , 2011, 155, 344-357.	4.8	506
3	Particle shape enhances specificity of antibody-displaying nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3270-3275.	3.3	456
4	Simultaneous Enhancement of Photothermal Stability and Gene Delivery Efficacy of Gold Nanorods Using Polyelectrolytes. <i>ACS Nano</i> , 2009, 3, 2941-2952.	7.3	158
5	Synergistic Targeting of Cell Membrane, Cytoplasm, and Nucleus of Cancer Cells Using Rod-Shaped Nanoparticles. <i>ACS Nano</i> , 2013, 7, 9558-9570.	7.3	97
6	Cancerâ€œCellâ€œPhenotypeâ€œDependent Differential Intracellular Trafficking of Unconjugated Quantum Dots. <i>Small</i> , 2009, 5, 370-376.	5.2	88
7	Discovery of Cationic Polymers for Non-Viral Gene Delivery Using Combinatorial Approaches. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2011, 14, 908-924.	0.6	60
8	Current technologies to endotoxin detection and removal for biopharmaceutical purification. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2588-2609.	1.7	58
9	Parallel Synthesis and Screening of Polymers for Nonviral Gene Delivery. <i>Molecular Pharmaceutics</i> , 2009, 6, 86-97.	2.3	55
10	The influence of mediators of intracellular trafficking on transgene expression efficacy of polymerâ€œplasmid DNA complexes. <i>Biomaterials</i> , 2010, 31, 5894-5902.	5.7	55
11	Polymer coated gold-ferric oxide superparamagnetic nanoparticles for theranostic applications. <i>Journal of Nanobiotechnology</i> , 2018, 16, 80.	4.2	50
12	Investigation of Microbial Populations in the Extremely Metal-Contaminated Coeur d'Alene River Sediments. <i>Microbial Ecology</i> , 2011, 62, 1-13.	1.4	47
13	Polymer-Enhanced Adenoviral Transduction of CAR-Negative Bladder Cancer Cells. <i>Molecular Pharmaceutics</i> , 2009, 6, 1612-1619.	2.3	32
14	PolyBall: A new adsorbent for the efficient removal of endotoxin from biopharmaceuticals. <i>Scientific Reports</i> , 2019, 9, 8867.	1.6	25
15	Antibodyâ€œdrug nanoparticle induces synergistic treatmentâ€œefficacies in HER2 positive breast cancer cells. <i>Scientific Reports</i> , 2021, 11, 7347.	1.6	23
16	Quantitative Analysis of the Correlation between Cell Size and Cellular Uptake of Particles. <i>Biophysical Journal</i> , 2019, 116, 347-359.	0.2	18
17	Impact of nanopore morphology on cell viability on mesoporous polymer and carbon surfaces. <i>Acta Biomaterialia</i> , 2010, 6, 3035-3043.	4.1	17
18	Endotoxin hitchhiking on polymer nanoparticles. <i>Nanotechnology</i> , 2016, 27, 285601.	1.3	17

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19	Microparticles for Suspension Culture of Mammalian Cells. ACS Applied Bio Materials, 2019, 2, 2791-2801.	2.3	16
20	Bioresponsive polymer coated drug nanorods for breast cancer treatment. Nanotechnology, 2017, 28, 045601.	1.3	15
21	Isolation and purification of glycolycerolipids to induce apoptosis in breast cancer cells. Scientific Reports, 2021, 11, 1298.	1.6	14
22	Tuning Stability of Mesoporous Silica Films under Biologically Relevant Conditions through Processing with Supercritical CO ₂ . Langmuir, 2008, 24, 11935-11941.	1.6	13
23	The histone deacetylase inhibitor Entinostat enhances polymer-mediated transgene expression in cancer cell lines. Biotechnology and Bioengineering, 2016, 113, 1345-1356.	1.7	13
24	Lytic peptide-mediated sensitization of TRAIL-resistant prostate cancer cells to death receptor agonists. Cancer Letters, 2010, 293, 240-253.	3.2	12
25	Correction in Bicinchoninic Acid (BCA) Absorbance Assay to Analyze Protein Concentration. Nano LIFE, 2018, 08, 1850005.	0.6	5
26	PolyRad " Protection Against Free Radical Damage. Scientific Reports, 2020, 10, 8335.	1.6	5
27	Heteromer Nanostars by Spontaneous Self-Assembly. Nanomaterials, 2017, 7, 127.	1.9	3
28	The Role of Intrinsic Signaling Pathways in Cell Proliferation. Nano LIFE, 2021, 11, 2030003.	0.6	3
29	Multifunctional Biofilter to Effectively Remove Toxins. ACS Applied Bio Materials, 2021, 4, 731-741.	2.3	2
30	ORAL DRUG DELIVERY SYSTEMS FOR GASTROINTESTINAL CANCER THERAPY. Frontiers in Nanobiomedical Research, 2018, , 187-218.	0.1	1