Subhra Mohapatra

List of Publications by Year
in descending order

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54 papers	1,647 citations	361413 20 h-index	302126 39 g-index
55 all docs	55 docs citations	55 times ranked	2792 citing authors

#	Article	IF	Citations
1	Degradable poly(catechin) nanoparticles as a versatile therapeutic agent. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 1104-1115.	3.4	13
2	Extracellular vesicles derived from inflammatory-educated stem cells reverse brain inflammationâ€"implication of miRNAs. Molecular Therapy, 2022, 30, 816-830.	8.2	22
3	Identification of SARS-CoV-2 Spike Palmitoylation Inhibitors That Results in Release of Attenuated Virus with Reduced Infectivity. Viruses, 2022, 14, 531.	3.3	22
4	A multifunctional nanoparticle as a prophylactic and therapeutic approach targeting respiratory syncytial virus. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 32, 102325.	3.3	4
5	Emerging Nano-Formulations and Nanomedicines Applications for Ocular Drug Delivery. Nanomaterials, 2021, 11, 173.	4.1	88
6	Biopolymeric systems for the delivery of nucleic acids. , 2021, , 635-661.		0
7	A polyphenolic biomacromolecule prepared from a flavonoid: Catechin as degradable microparticles. Journal of Applied Polymer Science, 2021, 138, 50576.	2.6	1
8	Combination Therapy of Mithramycin A and Immune Checkpoint Inhibitor for the Treatment of Colorectal Cancer in an Orthotopic Murine Model. Frontiers in Immunology, 2021, 12, 706133.	4.8	9
9	The design and characterization of a gravitational microfluidic platform for drug sensitivity assay in colorectal perfused tumoroid cultures. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102294.	3.3	8
10	Advances in Translational Nanotechnology: Challenges and Opportunities. Applied Sciences (Switzerland), 2020, 10, 4881.	2.5	6
11	Molecular mechanismâ€"driven new biomarkers and therapies for atopic dermatitis. Journal of Allergy and Clinical Immunology, 2020, 146, 72-73.	2.9	2
12	Potential of mesenchymal stem cells alone, or in combination, to treat traumatic brain injury. CNS Neuroscience and Therapeutics, 2020, 26, 616-627.	3.9	21
13	Treatment with shCCL20-CCR6 nanodendriplexes and human mesenchymal stem cell therapy improves pathology in mice with repeated traumatic brain injury. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102247.	3.3	13
14	Biofabrication of Chitosan-Based Nanomedicines and Its Potential Use for Translational Ophthalmic Applications. Applied Sciences (Switzerland), 2020, 10, 4189.	2.5	12
15	Lung cancer cells survive epidermal growth factor receptor tyrosine kinase inhibitor exposure through upregulation of cholesterol synthesis. FASEB BioAdvances, 2020, 2, 90-105.	2.4	19
16	Point-of-Care Diagnostics: Molecularly Imprinted Polymers and Nanomaterials for Enhanced Biosensor Selectivity and Transduction. The EuroBiotech Journal, 2020, 4, 184-206.	1.0	13
17	Mithramycin A Inhibits Colorectal Cancer Growth by Targeting Cancer Stem Cells. Scientific Reports, 2019, 9, 15202.	3.3	44
18	Pioglitazone treatment prior to transplantation improves the efficacy of human mesenchymal stem cells after traumatic brain injury in rats. Scientific Reports, 2019, 9, 13646.	3.3	18

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19	Readiness of Magnetic Nanobiosensors for Point-of-Care Commercialization. Journal of Electronic Materials, 2019, 48, 4749-4761.	2.2	30
20	CCL20-CCR6 axis modulated traumatic brain injury-induced visual pathologies. Journal of Neuroinflammation, 2019, 16, 115.	7.2	23
21	Finite Element Analysis for Surface Acoustic Wave Device Characteristic Properties and Sensitivity. Sensors, 2019, 19, 1749.	3.8	29
22	The trimeric autotransporter adhesin BadA is required for in vitro biofilm formation by Bartonella henselae. Npj Biofilms and Microbiomes, 2019, 5, 10.	6.4	16
23	Withania Somnifera (Ashwagandha) and Withaferin A: Potential in Integrative Oncology. International Journal of Molecular Sciences, 2019, 20, 5310.	4.1	104
24	Perturbation Analysis of a Multiple Layer Guided Love Wave Sensor in a Viscoelastic Environment. Sensors, 2019, 19, 4533.	3.8	4
25	Actinomycin D and Telmisartan Combination Targets Lung Cancer Stem Cells Through the Wnt/Beta Catenin Pathway. Scientific Reports, 2019, 9, 18177.	3.3	21
26	Vision impairment after traumatic brain injury: present knowledge and future directions. Reviews in the Neurosciences, 2019, 30, 305-315.	2.9	11
27	Multiple-layer guided surface acoustic wave (SAW)-based pH sensing in longitudinal FiSS-tumoroid cultures. Biosensors and Bioelectronics, 2019, 124-125, 244-252.	10.1	16
28	Nanoscale Drug-Delivery Systems. , 2019, , 395-419.		30
29	Hyperoxia-induced cardiotoxicity and ventricular remodeling in type-II diabetes mice. Heart and Vessels, 2018, 33, 561-572.	1.2	10
30	Precision Medicine for CRC Patients in the Veteran Population: State-of-the-Art, Challenges and Research Directions. Digestive Diseases and Sciences, 2018, 63, 1123-1138.	2.3	9
31	Nanobiotechnology medical applications: Overcoming challenges through innovation. The EuroBiotech Journal, 2018, 2, 146-160.	1.0	9
32	Sertoli Cells Loaded with Doxorubicin in Lipid Micelles Reduced Tumor Burden and Dox-Induced Toxicity. Cell Transplantation, 2017, 26, 1694-1702.	2.5	3
33	Three- and Four-Dimensional Spheroid and FiSS Tumoroid Cultures: Platforms for Drug Discovery and Development and Translational Research. Critical Reviews in Therapeutic Drug Carrier Systems, 2017, 34, 185-208.	2.2	6
34	Actinomycin D Down-regulates SOX2 Expression and Induces Death in Breast Cancer Stem Cells. Anticancer Research, 2017, 37, 1655-1663.	1.1	31
35	Respiratory Syncytial Virus-Infected Mesenchymal Stem Cells Regulate Immunity via Interferon Beta and Indoleamine-2,3-Dioxygenase. PLoS ONE, 2016, 11, e0163709.	2.5	36
36	Surface Acoustic Waves (SAW)-Based Biosensing for Quantification of Cell Growth in 2D and 3D Cultures. Sensors, 2015, 15, 32045-32055.	3.8	42

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37	A Multiple siRNA-Based Anti-HIV/SHIV Microbicide Shows Protection in Both In Vitro and In Vivo Models. PLoS ONE, 2015, 10, e0135288.	2.5	17
38	Magnetic micelles for DNA delivery to rat brains after mild traumatic brain injury. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1539-1548.	3.3	31
39	Respiratory Syncytial Virus (RSV) Infection in Elderly Mice Results in Altered Antiviral Gene Expression and Enhanced Pathology. PLoS ONE, 2014, 9, e88764.	2.5	20
40	Nano/bio interface:impact on drug delivery applications. Drug Delivery and Translational Research, 2013, 3, 295-296.	5.8	0
41	Multifunctional chitosan magnetic-graphene (CMG) nanoparticles: a theranostic platform for tumor-targeted co-delivery of drugs, genes and MRI contrast agents. Journal of Materials Chemistry B, 2013, 1, 4396.	5.8	155
42	Natriuretic Peptide Receptor A Signaling Regulates Stem Cell Recruitment and Angiogenesis: A Model to Study Linkage Between Inflammation and Tumorigenesis. Stem Cells, 2013, 31, 1321-1329.	3.2	24
43	A 3D Fibrous Scaffold Inducing Tumoroids: A Platform for Anticancer Drug Development. PLoS ONE, 2013, 8, e75345.	2.5	109
44	Pharmacokinetics of Polymeric Micelles for Cancer Treatment. Current Drug Metabolism, 2013, 14, 900-909.	1.2	9
45	Cholesterol Biosensor Based on Nanodiamond-Polypyrrole Conducting Nanocomposite Membrane. Materials Research Society Symposia Proceedings, 2012, 1414, 26.	0.1	0
46	New perspectives on central and peripheral immune responses to acute traumatic brain injury. Journal of Neuroinflammation, 2012, 9, 236.	7.2	216
47	Dual-purpose magnetic micelles for MRI and gene delivery. Journal of Controlled Release, 2012, 163, 82-92.	9.9	83
48	Natriuretic Peptide Receptor A as a Novel Target for Prostate Cancer. Molecular Cancer, 2011, 10, 56.	19.2	29
49	Plasmid-encoded NP73-102 modulates atrial natriuretic peptide receptor signaling and plays a critical role in inducing tolerogenic dendritic cells. Genetic Vaccines and Therapy, 2011, 9, 3.	1.5	5
50	Lateral fluid percussion injury of the brain induces CCL20 inflammatory chemokine expression in rats. Journal of Neuroinflammation, 2011, 8, 148.	7.2	64
51	Preparation and Characterization of Molecularly Imprinted Polymeric Nanoparticles for Atrial Natriuretic Peptide (ANP). Advanced Functional Materials, 2011, 21, 4423-4429.	14.9	32
52	Modulation of lung inflammation by vessel dilator in a mouse model of allergic asthma. Respiratory Research, 2009, 10, 66.	3.6	6
53	Prevention of airway inflammation with topical cream containing imiquimod and small interfering RNA for natriuretic peptide receptor. Genetic Vaccines and Therapy, 2008, 6, 7.	1.5	35
54	Natriuretic Peptide Receptor A as a Novel Anticancer Target. Cancer Research, 2008, 68, 249-256.	0.9	67