Saswat Mohapatra

List of Publications by Year
in descending order

31 papers	679 citations	567281 15 h-index	552781 26 g-index
31 all docs	31 docs citations	31 times ranked	1161 citing authors

#	Article	IF	Citations
1	Assembly of an Injectable Noncytotoxic Peptide-Based Hydrogelator for Sustained Release of Drugs. Langmuir, 2014, 30, 929-936.	3.5	143
2	Biodegradable Neuro-Compatible Peptide Hydrogel Promotes Neurite Outgrowth, Shows Significant Neuroprotection, and Delivers Anti-Alzheimer Drug. ACS Applied Materials & Interfaces, 2017, 9, 5067-5076.	8.0	57
3	Cancer Cell Imaging Using in Situ Generated Gold Nanoclusters. ChemPhysChem, 2016, 17, 61-68.	2.1	39
4	Apoferritin Nanocage Delivers Combination of Microtubule and Nucleus Targeting Anticancer Drugs. ACS Applied Materials & Interfaces, 2016, 8, 30824-30832.	8.0	36
5	Spatial Position Regulates Power of Tryptophan: Discovery of a Major-Groove-Specific Nuclear-Localizing, Cell-Penetrating Tetrapeptide. Journal of the American Chemical Society, 2018, 140, 1697-1714.	13.7	36
6	Selective Killing of Breast Cancer Cells by Doxorubicinâ€Loaded Fluorescent Gold Nanoclusters: Confocal Microscopy and FRET. ChemPhysChem, 2016, 17, 253-259.	2.1	32
7	Ubiquitous antigen-specific T regulatory type 1 cells variably suppress hepatic and extrahepatic autoimmunity. Journal of Clinical Investigation, 2020, 130, 1823-1829.	8.2	31
8	Novel Hexapeptide Interacts with Tubulin and Microtubules, Inhibits AÎ² Fibrillation, and Shows Significant Neuroprotection. ACS Chemical Neuroscience, 2015, 6, 1309-1316.	3.5	27
9	Novel lysosome targeted molecular transporter built on a guanidinium-poly-(propylene imine) hybrid dendron for efficient delivery of doxorubicin into cancer cells. Chemical Communications, 2015, 51, 2403-2406.	4.1	26
10	Î±-Cyclodextrin Interacts Close to Vinblastine Site of Tubulin and Delivers Curcumin Preferentially to the Tubulin Surface of Cancer Cell. ACS Applied Materials & Interfaces, 2016, 8, 13793-13803.	8.0	26
11	Cancer Cell Specific Delivery of Photosystem I Through Integrin Targeted Liposome Shows Significant Anticancer Activity. ACS Applied Materials & Interfaces, 2017, 9, 176-188.	8.0	23
12	Spectral mapping of 3D multi-cellular tumor spheroids: time-resolved confocal microscopy. Physical Chemistry Chemical Physics, 2016, 18, 18381-18390.	2.8	20
13	Synergistic Anticancer Effect of Peptideâ€Docetaxel Nanoassembly Targeted to Tubulin: Toward Development of Dual Warhead Containing Nanomedicine. Advanced Healthcare Materials, 2017, 6, 1600718.	7.6	18
14	Interaction of AÎ² peptide with tubulin causes an inhibition of tubulin polymerization and the apoptotic death of cancer cells. Chemical Communications, 2015, 51, 2249-2252.	4.1	17
15	Designed Tetrapeptide Interacts with Tubulin and Microtubule. Langmuir, 2018, 34, 1123-1132.	3.5	16
16	Design of a novel microtubule targeted peptide vesicle for delivering different anticancer drugs. Chemical Communications, 2016, 52, 7549-7552.	4.1	15
17	Self-assembling soft structures for intracellular NO release and promotion of neurite outgrowth. Chemical Science, 2017, 8, 6171-6175.	7.4	14
18	Novel tubulin-targeted cell penetrating antimitotic octapeptide. Chemical Communications, 2016, 52, 12657-12660.	4.1	13

#	Article	IF	Citations
19	Targeted delivery of a novel peptideâ€“docetaxel conjugate to MCF-7 cells through neuropilin-1 receptor: reduced toxicity and enhanced efficacy of docetaxel. RSC Advances, 2015, 5, 92596-92601.	3.6	12
20	Neurosphere Development from Hippocampal and Cortical Embryonic Mixed Primary Neuron Culture: A Potential Platform for Screening Neurochemical Modulator. ACS Chemical Neuroscience, 2018, 9, 2870-2878.	3.5	12
21	Liver-specific T regulatory type-1 cells program local neutrophils to suppress hepatic autoimmunity via CRAMP. Cell Reports, 2021, 34, 108919.	6.4	12
22	Single functionalized graphene oxide reconstitutes kinesin mediated intracellular cargo transport and delivers multiple cytoskeleton proteins and therapeutic molecules into the cell. Chemical Communications, 2014, 50, 11595-11598.	4.1	11
23	A short GC rich DNA derived from microbial origin targets tubulin/microtubules and induces apoptotic death of cancer cells. Chemical Communications, 2015, 51, 12024-12027.	4.1	11
24	A Dualâ€Targeting Octaguanidineâ€“Doxorubicin Conjugate Transporter for Inducing Caspaseâ€Mediated Apoptosis on Folateâ€Expressing Cancer Cells. ChemMedChem, 2016, 11, 702-712.	3.2	11
25	Re-programming mouse liver-resident invariant natural killer T cells for suppressing hepatic and diabetogenic autoimmunity. Nature Communications, 2022, 13, .	12.8	7
26	Tracking the Footprints of Paclitaxel Delivery and Mechanistic Action via SERS Trajectory in Glioblastoma Cells. ACS Biomaterials Science and Engineering, 2020, 6, 5254-5263.	5.2	4
27	Designed hybrid anticancer nuclear-localized peptide inhibits aggressive cancer cell proliferation. RSC Medicinal Chemistry, 2022, 13, 196-201.	3.9	4
28	Mitochondria-Targeted New Blue Light-Emitting Fluorescent Molecular Probe. ACS Omega, 2019, 4, 9361-9366.	3.5	2
29	Power of an Organic Electron Acceptor in Modulation of Intracellular Mitochondrial Reactive Oxygen Species: Inducing JNK- and Caspase-Dependent Apoptosis of Cancer Cells. ACS Omega, 2021, 6, 7815-7828.	3.5	2
30	Antimitoic Peptides: Synergistic Anticancer Effect of Peptideâ€Docetaxel Nanoassembly Targeted to Tubulin: Toward Development of Dual Warhead Containing Nanomedicine (Adv. Healthcare Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.6	1
31	A Small Molecule with Bridged Carbonyl and Triâ€fluoroâ€acetoâ€phenone Groups Impedes Microtubule Dynamics and Subsequently Triggers Cancer Cell Apoptosis. ChemMedChem, 2021, 16, 2703-2714.	3.2	1