Yi Zhang

List of Publications by Year
in descending order

23 papers	1,572 citations	516710 16 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	3304 citing authors

#	Article	IF	Citations
1	Functionalized carbon nanotubes for potential medicinal applications. Drug Discovery Today, 2010, 15, 428-435.	6.4	338
2	Repeated administrations of carbon nanotubes in male mice cause reversible testis damage without affecting fertility. Nature Nanotechnology, 2010, 5, 683-689.	31.5	258
3	Perturbation of physiological systems by nanoparticles. Chemical Society Reviews, 2014, 43, 3762-3809.	38.1	128
4	Permission to Enter Cell by Shape: Nanodisk vs Nanosphere. ACS Applied Materials & Interfaces, 2012, 4, 4099-4105.	8.0	116
5	Tuning Cell Autophagy by Diversifying Carbon Nanotube Surface Chemistry. ACS Nano, 2014, 8, 2087-2099.	14.6	113
6	Interactions Between Nanoparticles and Dendritic Cells: From the Perspective of Cancer Immunotherapy. Frontiers in Oncology, 2018, 8, 404.	2.8	113
7	The effect of multiwalled carbon nanotube agglomeration on their accumulation in and damage to organs in mice. Carbon, 2009, 47, 2060-2069.	10.3	89
8	Nanotoxicity Overview: Nano-Threat to Susceptible Populations. International Journal of Molecular Sciences, 2014, 15, 3671-3697.	4.1	85
9	Effective Surface Charge Density Determines the Electrostatic Attraction between Nanoparticles and Cells. Journal of Physical Chemistry C, 2012, 116, 4993-4998.	3.1	75
10	Wearable Biofuel Cells: Advances from Fabrication to Application. Advanced Functional Materials, 2021, 31, 2103976.	14.9	38
11	Induction of Size-Dependent Breakdown of Blood-Milk Barrier in Lactating Mice by TiO2 Nanoparticles. PLoS ONE, 2015, 10, e0122591.	2.5	33
12	Leading Neuroblastoma Cells To Die by Multiple Premeditated Attacks from a Multifunctionalized Nanoconstruct. Journal of the American Chemical Society, 2011, 133, 13918-13921.	13.7	30
13	Binding of carbon nanotube to BMP receptor 2 enhances cell differentiation and inhibits apoptosis via regulating bHLH transcription factors. Cell Death and Disease, 2012, 3, e308-e308.	6.3	26
14	Secalonic acid A reduced colchicine cytotoxicity through suppression of JNK, p38 MAPKs and calcium influx. Neurochemistry International, 2011, 58, 85-91.	3.8	22
15	Cell Cycle Regulation by Carboxylated Multiwalled Carbon Nanotubes through p53-Independent Induction of p21 under the Control of the BMP Signaling Pathway. Chemical Research in Toxicology, 2012, 25, 1212-1221.	3.3	20
16	Modulation of Carbon Nanotubes' Perturbation to the Metabolic Activity of CYP3A4 in the Liver. Advanced Functional Materials, 2016, 26, 841-850.	14.9	19
17	Comparison of Cancer Cell Survival Triggered by Microtubule Damage after Turning Dyrk1B Kinase On and Off. ACS Chemical Biology, 2014, 9, 731-742.	3.4	17
18	Enhanced cancer cell killing by a targeting gold nanoconstruct with doxorubicin payload under X-ray irradiation. RSC Advances, 2013, 3, 21596.	3.6	13

#	Article	IF	Citations
19	Safety profile and cellular uptake of biotemplated nanocapsules with nanometre-thin walls. Nanoscale, 2011, 3, 2576.	5.6	10
20	Reprogramming Cellular Signaling Machinery Using Surface-Modified Carbon Nanotubes. Chemical Research in Toxicology, 2015, 28, 296-305.	3.3	9
21	Single-cell analysis of somatic mutation burden in mammary epithelial cells of pathogenic BRCA1/2 mutation carriers. Journal of Clinical Investigation, 2022, 132, .	8.2	7
22	Tango of dual nanoparticles: Interplays between exosomes and nanomedicine. Bioengineering and Translational Medicine, 2022, 7, e10269.	7.1	6
23	Toward a Better Understanding of Pharmacokinetics of Nanomaterials. Current Pharmaceutical Design, 2013, 19, 6667-6680.	1.9	5