Qingxin Mu

List of Publications by Year in Descending Order

47 papers	2,805 citations	26 h-index	49 g-index
49 ext. papers	3,136 ext. citations	10.5 avg, IF	5 L-index

#	Paper	IF	Citations
47	Challenges and opportunities in metastatic breast cancer treatments: Nano-drug combinations delivered preferentially to metastatic cells may enhance therapeutic response.. *Pharmacology & Therapeutics*, **2022**, 236, 108108	13.9	4
46	Protein Corona Formation: Characterizations, Effects on Engineered Nanoparticles\/Biobehaviors, and Applications. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 646708	5.8	12
45	A highly selective iron oxide-based imaging nanoparticle for long-term monitoring of drug-induced tumor cell apoptosis. *Biomaterials Science*, **2021**, 9, 471-481	7.4	3
44	Iron oxide nanoparticle targeted chemo-immunotherapy for triple negative breast cancer.. *Materials Today*, **2021**, 50, 149-169	21.8	4
43	Novel drug combination nanoparticles exhibit enhanced plasma exposure and dose-responsive effects on eliminating breast cancer lung metastasis. *PLoS ONE*, **2020**, 15, e0228557	3.7	3
42	In vivo Serum Enabled Production of Ultrafine Nanotherapeutics for Cancer Treatment. *Materials Today*, **2020**, 38, 10-23	21.8	3
41	Single-layer boron-doped graphene quantum dots for contrast-enhanced in vivo T-weighted MRI. *Nanoscale Horizons*, **2020**, 5, 573-579	10.8	14
40	Novel Long-Acting Drug Combination Nanoparticles Composed of Gemcitabine and Paclitaxel Enhance Localization of Both Drugs in Metastatic Breast Cancer Nodules. *Pharmaceutical Research*, **2020**, 37, 197	4.5	1
39	Optimizing a Novel Au-Grafted Lipid Nanoparticle Through Chelation Chemistry for High Photothermal Biologic Activity. *Journal of Pharmaceutical Sciences*, **2020**, 109, 1780-1788	3.9	0
38	Biconcave Carbon Nanodisks for Enhanced Drug Accumulation and Chemo-Photothermal Tumor Therapy. *Advanced Healthcare Materials*, **2019**, 8, e1801505	10.1	18
37	Catalase-Functionalized Iron Oxide Nanoparticles Reverse Hypoxia-Induced Chemotherapeutic Resistance. *Advanced Healthcare Materials*, **2019**, 8, e1900826	10.1	15
36	Nitrogen and Boron Dual-Doped Graphene Quantum Dots for Near-Infrared Second Window Imaging and Photothermal Therapy. *Applied Materials Today*, **2019**, 14, 108-117	6.6	80
35	Translation of combination nanodrugs into nanomedicines: lessons learned and future outlook. *Journal of Drug Targeting*, **2018**, 26, 435-447	5.4	21
34	Iron oxide-carbon core-shell nanoparticles for dual-modal imaging-guided photothermal therapy. *Journal of Controlled Release*, **2018**, 289, 70-78	11.7	41
33	Chitosan-Gated Magnetic-Responsive Nanocarrier for Dual-Modal Optical Imaging, Switchable Drug Release, and Synergistic Therapy. *Advanced Healthcare Materials*, **2017**, 6, 1601080	10.1	20
32	Mesoporous carbon nanoshells for high hydrophobic drug loading, multimodal optical imaging, controlled drug release, and synergistic therapy. *Nanoscale*, **2017**, 9, 1434-1442	7.7	31
31	Paramagnetic Properties of Metal-Free Boron-Doped Graphene Quantum Dots and Their Application for Safe Magnetic Resonance Imaging. *Advanced Materials*, **2017**, 29, 1605416	24	85

30	Nanoparticles for imaging and treatment of metastatic breast cancer. *Expert Opinion on Drug Delivery*, **2017**, 14, 123-136	8	54
29	Gemcitabine and Chlorotoxin Conjugated Iron Oxide Nanoparticles for Glioblastoma Therapy. *Journal of Materials Chemistry B*, **2016**, 4, 32-36	7.3	23
28	Computer-aided design of carbon nanotubes with the desired bioactivity and safety profiles. *Nanotoxicology*, **2016**, 10, 374-83	5.3	24
27	Preloading of Hydrophobic Anticancer Drug into Multifunctional Nanocarrier for Multimodal Imaging, NIR-Responsive Drug Release, and Synergistic Therapy. *Small*, **2016**, 12, 6388-6397	11	37
26	Stable and efficient Paclitaxel nanoparticles for targeted glioblastoma therapy. *Advanced Healthcare Materials*, **2015**, 4, 1236-45	10.1	36
25	Hexanoyl-Chitosan-PEG Copolymer Coated Iron Oxide Nanoparticles for Hydrophobic Drug Delivery. *ACS Macro Letters*, **2015**, 4, 403-407	6.6	37
24	Anti-HER2/neu peptide-conjugated iron oxide nanoparticles for targeted delivery of paclitaxel to breast cancer cells. *Nanoscale*, **2015**, 7, 18010-4	7.7	65
23	Temozolomide nanoparticles for targeted glioblastoma therapy. *ACS Applied Materials & Interfaces*, **2015**, 7, 6674-82	9.5	115
22	Cell rescue by nanosequestration: reduced cytotoxicity of an environmental remediation residue, Mg(OH)2 nanoflake/Cr(VI) adduct. *Environmental Science & Technology*, **2014**, 48, 1984-92	10.3	19
21	claMP Tag: a versatile inline metal-binding platform based on the metal abstraction peptide. *Bioconjugate Chemistry*, **2014**, 25, 1103-11	6.3	3
20	Chemical basis of interactions between engineered nanoparticles and biological systems. *Chemical Reviews*, **2014**, 114, 7740-81	68.1	398
19	Immunomodulation of nanoparticles in nanomedicine applications. *BioMed Research International*, **2014**, 2014, 426028	3	66
18	Anti-tumor selectivity of a novel tubulin and HSP90 dual-targeting inhibitor in non-small cell lung cancer models. *Biochemical Pharmacology*, **2013**, 86, 351-60	6	24
17	Effective Surface Charge Density Determines the Electrostatic Attraction between Nanoparticles and Cells. *Journal of Physical Chemistry C*, **2012**, 116, 4993-4998	3.8	66
16	Size-dependent cell uptake of protein-coated graphene oxide nanosheets. *ACS Applied Materials & Interfaces*, **2012**, 4, 2259-66	9.5	290
15	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	9.8	26
14	Leading neuroblastoma cells to die by multiple premeditated attacks from a multifunctionalized nanoconstruct. *Journal of the American Chemical Society*, **2011**, 133, 13918-21	16.4	26
13	Safety profile and cellular uptake of biotemplated nanocapsules with nanometre-thin walls. *Nanoscale*, **2011**, 3, 2576-82	7.7	10

12	Steering carbon nanotubes to scavenger receptor recognition by nanotube surface chemistry modification partially alleviates NFB activation and reduces its immunotoxicity. *ACS Nano*, **2011**, 5, 4581-91	16.7	76
11	Repeated administrations of carbon nanotubes in male mice cause reversible testis damage without affecting fertility. *Nature Nanotechnology*, **2010**, 5, 683-9	28.7	226
10	Analytical strategies for detecting nanoparticle-protein interactions. *Analyst, The*, **2010**, 135, 1519-30	5	89
9	Biocompatibility of polymer grafted core/shell iron/carbon nanoparticles. *Biomaterials*, **2010**, 31, 5083-90	15.6	29
8	Real-time monitoring of cellular responses to carbon nanotubes. *Methods in Molecular Biology*, **2010**, 625, 85-94	1.4	2
7	Suppression of human bone morphogenetic protein signaling by carboxylated single-walled carbon nanotubes. *ACS Nano*, **2009**, 3, 1139-44	16.7	64
6	Characterization of Protein Clusters of Diverse Magnetic Nanoparticles and Their Dynamic Interactions with Human Cells. *Journal of Physical Chemistry C*, **2009**, 113, 5390-5395	3.8	46
5	Functionalized carbon nanotubes specifically bind to alpha-chymotrypsin's catalytic site and regulate its enzymatic function. *Nano Letters*, **2009**, 9, 2280-4	11.5	93
4	Endosomal leakage and nuclear translocation of multiwalled carbon nanotubes: developing a model for cell uptake. *Nano Letters*, **2009**, 9, 4370-5	11.5	200
3	A nano-combinatorial library strategy for the discovery of nanotubes with reduced protein-binding, cytotoxicity, and immune response. *Nano Letters*, **2008**, 8, 859-65	11.5	122
2	Protein Binding by Functionalized Multiwalled Carbon Nanotubes Is Governed by the Surface Chemistry of Both Parties and the Nanotube Diameter. *Journal of Physical Chemistry C*, **2008**, 112, 3300-3307	3.8	140
1	Exploring the immunotoxicity of carbon nanotubes. *Nanoscale Research Letters*, **2008**, 3, 271-7	5	38