Xin Cai

List of Publications by Year
in descending order

23	2,727	361413	642732
papers	citations	20 h-index	23 g-index

26	26	26	4829
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison Study of Gold Nanohexapods, Nanorods, and Nanocages for Photothermal Cancer Treatment. ACS Nano, 2013, 7, 2068-2077.	14.6	557
2	A New Theranostic System Based on Gold Nanocages and Phase-Change Materials with Unique Features for Photoacoustic Imaging and Controlled Release. Journal of the American Chemical Society, 2011, 133, 4762-4765.	13.7	382
3	Simultaneous functional photoacoustic and ultrasonic endoscopy of internal organs in vivo. Nature Medicine, 2012, 18, 1297-1302.	30.7	378
4	Radioactive ¹⁹⁸Au-Doped Nanostructures with Different Shapes for In Vivo Analyses of Their Biodistribution, Tumor Uptake, and Intratumoral Distribution. ACS Nano, 2014, 8, 4385-4394.	14.6	312
5	Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. Nanoscale, 2011, 3, 1724.	5.6	130
6	Photoacoustic tomography through a whole adult human skull with a photon recycler. Journal of Biomedical Optics, 2012, 17, 110506.	2.6	105
7	Graphene-based contrast agents for photoacoustic and thermoacoustic tomography. Photoacoustics, 2013, 1, 62-67.	7.8	104
8	Photoacoustic Sentinel Lymph Node Imaging with Self-Assembled Copper Neodecanoate Nanoparticles. ACS Nano, 2012, 6, 1260-1267.	14.6	92
9	Labeling Human Mesenchymal Stem Cells with Gold Nanocages for in vitro and in vivo Tracking by Two-Photon Microscopy and Photoacoustic Microscopy. Theranostics, 2013, 3, 532-543.	10.0	92
10	In Vivo Quantitative Evaluation of the Transport Kinetics of Gold Nanocages in a Lymphatic System by Noninvasive Photoacoustic Tomography. ACS Nano, 2011, 5, 9658-9667.	14.6	84
11	Investigation of Neovascularization in Three-Dimensional Porous Scaffolds In Vivo by a Combination of Multiscale Photoacoustic Microscopy and Optical Coherence Tomography. Tissue Engineering - Part C: Methods, 2013, 19, 196-204.	2.1	64
12	Chronic label-free volumetric photoacoustic microscopy of melanoma cells in three-dimensional porous Scaffolds. Biomaterials, 2010, 31, 8651-8658.	11.4	60
13	Multi-Scale Molecular Photoacoustic Tomography of Gene Expression. PLoS ONE, 2012, 7, e43999.	2.5	54
14	Î±_{Î½}Î²₃-targeted Copper Nanoparticles Incorporating an Sn 2 Lipase-Labile Fumagillin Prodrug for Photoacoustic Neovascular Imaging and Treatment. Theranostics, 2015, 5, 124-133.	10.0	49
15	Multiscale Photoacoustic Microscopy of Single-Walled Carbon Nanotube-Incorporated Tissue Engineering Scaffolds. Tissue Engineering - Part C: Methods, 2012, 18, 310-317.	2.1	48
16	Photoacoustic microscopy in tissue engineering. Materials Today, 2013, 16, 67-77.	14.2	48
17	Noninvasive Photoacoustic Microscopy of Living Cells in Two and Three Dimensions through Enhancement by a Metabolite Dye. Angewandte Chemie - International Edition, 2011, 50, 7359-7363.	13.8	47
18	Photoacoustic tomography of foreign bodies in soft biological tissue. Journal of Biomedical Optics, 2011, 16, 046017.	2.6	34

#	Article	IF	Citations
19	Nonâ€Invasive and Inâ€…Situ Characterization of the Degradation of Biomaterial Scaffolds by Volumetric Photoacoustic Microscopy. Angewandte Chemie - International Edition, 2014, 53, 184-188.	13.8	31
20	Quantitative Analysis of the Fate of Gold Nanocages Inâ€…Vitro and Inâ€…Vivo after Uptake by U87â€MG Tumor Cells. Angewandte Chemie - International Edition, 2013, 52, 1152-1155.	13.8	25
21	Dual-mode photoacoustic microscopy of carbon nanotube incorporated scaffolds in blood and biological tissues. , 2011, , .		2
22	Chronic label-free volumetric photoacoustic microscopy of melanoma cells in scaffolds in vitro. Proceedings of SPIE, 2011, , .	0.8	0
23	Photoacoustic microscopy of neovascularization in three-dimensional porous scaffoldsin vivo. Proceedings of SPIE, 2013, , .	0.8	0