

Kai Cheng

List of Publications by Year in descending order

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26
papers

4,587
citations

394421

19
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

7392
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of a smart activatable MRI nanoprobe to target matrix metalloproteinases in the early-stages of abdominal aortic aneurysms. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 26, 102177.	3.3	11
2	High-speed X-ray induced luminescence computed tomography. <i>Journal of Biophotonics</i> , 2020, 13, e202000066.	2.3	4
3	Markerless Pancreatic Tumor Target Localization Enabled By Deep Learning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 432-439.	0.8	49
4	Reduced acquisition time for shell x-ray fluorescence computed tomography using polycapillary x-ray optics. <i>Medical Physics</i> , 2019, 46, 5696-5702.	3.0	7
5	Controlled Nano-Bio Interface of Functional Nanoprobes for in Vivo Monitoring Enzyme Activity in Tumors. <i>ACS Nano</i> , 2019, 13, 1153-1167.	14.6	16
6	Synergistically Enhancing the Therapeutic Effect of Radiation Therapy with Radiation Activatable and Reactive Oxygen Species-Releasing Nanostructures. <i>ACS Nano</i> , 2018, 12, 4946-4958.	14.6	101
7	Target-specific delivery of oxaliplatin to HER2-positive gastric cancer cells in vivo using oxaliplatin- AuFe_3O_4 -herceptin nanoparticles. <i>Oncology Letters</i> , 2018, 15, 8079-8087.	1.8	20
8	A high quantum yield molecule-protein complex fluorophore for near-infrared II imaging. <i>Nature Communications</i> , 2017, 8, 15269.	12.8	458
9	Chelator-Free and Biocompatible Melanin Nanoplatfrom with Facile-Loading Gadolinium and Copper-64 for Bioimaging. <i>Bioconjugate Chemistry</i> , 2017, 28, 1925-1930.	3.6	32
10	Synthesis, Characterization, and Biomedical Applications of a Targeted Dual-Modal Near-Infrared-II Fluorescence and Photoacoustic Imaging Nanoprobe. <i>ACS Nano</i> , 2017, 11, 12276-12291.	14.6	137
11	Flexible radioluminescence imaging for FDG-guided surgery. <i>Medical Physics</i> , 2016, 43, 5298-5306.	3.0	7
12	Recyclable Cu(melanin dots for cycloaddition, bioconjugation and cell labelling. <i>Chemical Science</i> , 2016, 7, 5888-5892.	7.4	27
13	Robust surface coating for a fast, facile fluorine-18 labeling of iron oxide nanoparticles for PET/MR dual-modality imaging. <i>Nanoscale</i> , 2016, 8, 19644-19653.	5.6	20
14	Isothiocyanate-Functionalized Bifunctional Chelates and $[\text{M}(\text{CO})_3]^{+}$ (M = Re, $^{99\text{m}}\text{Tc}$) Complexes for Targeting uPAR in Prostate Cancer. <i>Bioconjugate Chemistry</i> , 2016, 27, 130-142.	3.6	8
15	A small-molecule dye for NIR-II imaging. <i>Nature Materials</i> , 2016, 15, 235-242.	27.5	1,314
16	^{64}Cu -Labeled Divalent Cystine Knot Peptide for Imaging Carotid Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2015, 56, 939-944.	5.0	36
17	Biological imaging without autofluorescence in the second near-infrared region. <i>Nano Research</i> , 2015, 8, 3027-3034.	10.4	263
18	Hybrid Nanotrimers for Dual T1 and T2-Weighted Magnetic Resonance Imaging. <i>ACS Nano</i> , 2014, 8, 9884-9896.	14.6	106

#	ARTICLE	IF	CITATIONS
19	Construction and Validation of Nano Gold Tripods for Molecular Imaging of Living Subjects. Journal of the American Chemical Society, 2014, 136, 3560-3571.	13.7	170
20	Optical imaging of articular cartilage degeneration using near-infrared dipicolylamine probes. Biomaterials, 2014, 35, 7511-7521.	11.4	33
21	Affibody modified and radiolabeled gold-iron oxide hetero-nanostructures for tumor PET, optical and MR imaging. Biomaterials, 2013, 34, 2796-2806.	11.4	129
22	A photonic crystal cavity-optical fiber tip nanoparticle sensor for biomedical applications. Applied Physics Letters, 2012, 100, .	3.3	29
23	Inside Back Cover: In Vitro and In Vivo Uncaging and Bioluminescence Imaging by Using Photocaged Upconversion Nanoparticles (Angew. Chem. Int. Ed. 13/2012). Angewandte Chemie - International Edition, 2012, 51, 3275-3275.	13.8	1
24	Fluorescent magnetic nanoparticles based on a ruthenium complex and Fe ₃ O ₄ . Journal of Materials Chemistry, 2011, 21, 11464-11467.	6.7	14
25	Magnetic nanoparticles: synthesis, functionalization, and applications in bioimaging and magnetic energy storage. Chemical Society Reviews, 2009, 38, 2532.	38.1	1,073
26	Porous Hollow Fe ₃ O ₄ Nanoparticles for Targeted Delivery and Controlled Release of Cisplatin. Journal of the American Chemical Society, 2009, 131, 10637-10644.	13.7	429