Zhenghong Gao

List of Publications by Year
in descending order

23 papers	899 citations	567281 15 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1521 citing authors

#	Article	IF	Citations
1	Integrated Imaging Methodology Detects Claudin-1 Expression in Premalignant Nonpolypoid and Polypoid Colonic Epithelium in Mice. Clinical and Translational Gastroenterology, 2020, 11, e00089.	2.5	4
2	Advances in surface-coated single-walled carbon nanotubes as near-infrared photoluminescence emitters for single-particle tracking applications in biological environments. Polymer Journal, 2018, 50, 589-601.	2.7	10
3	Comparative Analysis of Photoluminescence and Upconversion Emission from Individual Carbon Nanotubes for Bioimaging Applications. ACS Photonics, 2018, 5, 359-364.	6.6	33
4	Dual-modal in vivo fluorescence and photoacoustic imaging using a heterodimeric peptide. Chemical Communications, 2018, 54, 13196-13199.	4.1	17
5	Multiplexed Targeting of Barrettâ€™s Neoplasia with a Heterobivalent Ligand: Imaging Study on Mouse Xenograft in Vivo and Human Specimens ex Vivo. Journal of Medicinal Chemistry, 2018, 61, 5323-5331.	6.4	16
6	Ultrashort Carbon Nanotubes That Fluoresce Brightly in the Near-Infrared. ACS Nano, 2018, 12, 6059-6065.	14.6	68
7	Detection of Sessile Serrated Adenomas in the Proximal Colon Using Wide-Field Fluorescence Endoscopy. Gastroenterology, 2017, 152, 1002-1013.e9.	1.3	49
8	Noncovalent Stable Functionalization Makes Carbon Nanotubes Hydrophilic and Biocompatible. Journal of Physical Chemistry C, 2017, 121, 18887-18891.	3.1	12
9	In vivo near-infrared imaging of ErbB2 expressing breast tumors with dual-axes confocal endomicroscopy using a targeted peptide. Scientific Reports, 2017, 7, 14404.	3.3	10
10	Single-nanotube tracking reveals the nanoscale organization of the extracellular space in the live brain. Nature Nanotechnology, 2017, 12, 238-243.	31.5	199
11	Evaluation of Different Single-Walled Carbon Nanotube Surface Coatings for Single-Particle Tracking Applications in Biological Environments. Nanomaterials, 2017, 7, 393.	4.1	21
12	Functionalization of boron nitride nanotubes for applications in nanobiomedicine. , 2016, , 17-40.		7
13	Toward the suppression of cellular toxicity from single-walled carbon nanotubes. Biomaterials Science, 2016, 4, 230-244.	5.4	40
14	Optical detection of individual ultra-short carbon nanotubes enables their length characterization down to 10â€‰nm. Scientific Reports, 2015, 5, 17093.	3.3	19
15	Single-molecule imaging in live cell using gold nanoparticles. Methods in Cell Biology, 2015, 125, 13-27.	1.1	5
16	â€œHyperâ€brightâ€•Nearâ€Infrared Emitting Fluorescent Organic Nanoparticles for Single Particle Tracking. Advanced Materials, 2014, 26, 2258-2261.	21.0	61
17	Nonlinear Photoluminescence Spectroscopy of Carbon Nanotubes with Localized Exciton States. ACS Nano, 2014, 8, 11254-11260.	14.6	48
18	Noncovalent Functionalization of Boron Nitride Nanotubes in Aqueous Media Opens Application Roads in Nanobiomedicine. Nanobiomedicine, 2014, 1, 7.	5.7	44

#	Article	IF	Citations
19	Noncovalent functionalization of boron nitride nanotubes using water-soluble synthetic polymers and the subsequent preparation of superhydrophobic surfaces. Polymer Journal, 2013, 45, 567-570.	2.7	17
20	Efficient disentanglement of boron nitride nanotubes using water-soluble polysaccharides for protein immobilization. RSC Advances, 2012, 2, 6200.	3.6	31
21	Noncovalent Functionalization of Disentangled Boron Nitride Nanotubes with Flavin Mononucleotides for Strong and Stable Visible-Light Emission in Aqueous Solution. ACS Applied Materials & Interfaces, 2011, 3, 627-632.	8.0	88
22	Nucleotide-assisted decoration of boron nitride nanotubes with semiconductor quantum dots endows valuable visible-light emission in aqueous solution. Soft Matter, 2011, 7, 8753.	2.7	14
23	Isolation of Individual Boron Nitride Nanotubes via Peptide Wrapping. Journal of the American Chemical Society, 2010, 132, 4976-4977.	13.7	86