

# Zhenghong Gao

## List of Publications by Year in descending order

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23  
papers

899  
citations

567281

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677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-nanotube tracking reveals the nanoscale organization of the extracellular space in the live brain. <i>Nature Nanotechnology</i> , 2017, 12, 238-243.	31.5	199
2	Noncovalent Functionalization of Disentangled Boron Nitride Nanotubes with Flavin Mononucleotides for Strong and Stable Visible-Light Emission in Aqueous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 627-632.	8.0	88
3	Isolation of Individual Boron Nitride Nanotubes via Peptide Wrapping. <i>Journal of the American Chemical Society</i> , 2010, 132, 4976-4977.	13.7	86
4	Ultrashort Carbon Nanotubes That Fluoresce Brightly in the Near-Infrared. <i>ACS Nano</i> , 2018, 12, 6059-6065.	14.6	68
5	“Hyper”-Bright “Near”-Infrared Emitting Fluorescent Organic Nanoparticles for Single Particle Tracking. <i>Advanced Materials</i> , 2014, 26, 2258-2261.	21.0	61
6	Detection of Sessile Serrated Adenomas in the Proximal Colon Using Wide-Field Fluorescence Endoscopy. <i>Gastroenterology</i> , 2017, 152, 1002-1013.e9.	1.3	49
7	Nonlinear Photoluminescence Spectroscopy of Carbon Nanotubes with Localized Exciton States. <i>ACS Nano</i> , 2014, 8, 11254-11260.	14.6	48
8	Noncovalent Functionalization of Boron Nitride Nanotubes in Aqueous Media Opens Application Roads in Nanobiomedicine. <i>Nanobiomedicine</i> , 2014, 1, 7.	5.7	44
9	Toward the suppression of cellular toxicity from single-walled carbon nanotubes. <i>Biomaterials Science</i> , 2016, 4, 230-244.	5.4	40
10	Comparative Analysis of Photoluminescence and Upconversion Emission from Individual Carbon Nanotubes for Bioimaging Applications. <i>ACS Photonics</i> , 2018, 5, 359-364.	6.6	33
11	Efficient disentanglement of boron nitride nanotubes using water-soluble polysaccharides for protein immobilization. <i>RSC Advances</i> , 2012, 2, 6200.	3.6	31
12	Evaluation of Different Single-Walled Carbon Nanotube Surface Coatings for Single-Particle Tracking Applications in Biological Environments. <i>Nanomaterials</i> , 2017, 7, 393.	4.1	21
13	Optical detection of individual ultra-short carbon nanotubes enables their length characterization down to 10%nm. <i>Scientific Reports</i> , 2015, 5, 17093.	3.3	19
14	Noncovalent functionalization of boron nitride nanotubes using water-soluble synthetic polymers and the subsequent preparation of superhydrophobic surfaces. <i>Polymer Journal</i> , 2013, 45, 567-570.	2.7	17
15	Dual-modal <i>in vivo</i> fluorescence and photoacoustic imaging using a heterodimeric peptide. <i>Chemical Communications</i> , 2018, 54, 13196-13199.	4.1	17
16	Multiplexed Targeting of Barrett’s Neoplasia with a Heterobivalent Ligand: Imaging Study on Mouse Xenograft <i>In Vivo</i> and Human Specimens <i>ex Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5323-5331.	6.4	16
17	Nucleotide-assisted decoration of boron nitride nanotubes with semiconductor quantum dots endows valuable visible-light emission in aqueous solution. <i>Soft Matter</i> , 2011, 7, 8753.	2.7	14
18	Noncovalent Stable Functionalization Makes Carbon Nanotubes Hydrophilic and Biocompatible. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18887-18891.	3.1	12

#	ARTICLE	IF	CITATIONS
19	In vivo near-infrared imaging of ErbB2 expressing breast tumors with dual-axes confocal endomicroscopy using a targeted peptide. <i>Scientific Reports</i> , 2017, 7, 14404.	3.3	10
20	Advances in surface-coated single-walled carbon nanotubes as near-infrared photoluminescence emitters for single-particle tracking applications in biological environments. <i>Polymer Journal</i> , 2018, 50, 589-601.	2.7	10
21	Functionalization of boron nitride nanotubes for applications in nanobiomedicine. , 2016, , 17-40.		7
22	Single-molecule imaging in live cell using gold nanoparticles. <i>Methods in Cell Biology</i> , 2015, 125, 13-27.	1.1	5
23	Integrated Imaging Methodology Detects Claudin-1 Expression in Premalignant Nonpolypoid and Polypoid Colonic Epithelium in Mice. <i>Clinical and Translational Gastroenterology</i> , 2020, 11, e00089.	2.5	4