Yong Fan

List of Publications by Year
in descending order

47 papers	4,817 citations	159585 30 h-index	223800 46 g-index
47 all docs	47 docs citations	47 times ranked	3490 citing authors

#	Article	IF	Citations
1	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. Nature Nanotechnology, 2018, 13, 941-946.	31.5	584
2	Anti-quenching NIR-II molecular fluorophores for in vivo high-contrast imaging and pH sensing. Nature Communications, 2019, 10, 1058.	12.8	362
3	NIR-II nanoprobes in-vivo assembly to improve image-guided surgery for metastatic ovarian cancer. Nature Communications, 2018, 9, 2898.	12.8	343
4	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. Nature Nanotechnology, 2021, 16, 1011-1018.	31.5	335
5	Er³⁺ Sensitized 1530â€…nm to 1180â€…nm Second Nearâ€Infrared Window Upconversion Nanocrystals for Inâ€…Vivo Biosensing. Angewandte Chemie - International Edition, 2018, 57, 7518-7522.	13.8	271
6	In Vivo High-resolution Ratiometric Fluorescence Imaging of Inflammation Using NIR-II Nanoprobes with 1550 nm Emission. Nano Letters, 2019, 19, 2418-2427.	9.1	202
7	Tm³⁺â€Sensitized NIRâ€II Fluorescent Nanocrystals for Inâ€…Vivo Information Storage and Decoding. Angewandte Chemie - International Edition, 2019, 58, 10153-10157.	13.8	196
8	A New Generation of NIRâ€II Probes: Lanthanideâ€Based Nanocrystals for Bioimaging and Biosensing. Advanced Optical Materials, 2019, 7, 1801417.	7.3	172
9	A Tumorâ€Microenvironmentâ€Responsive Lanthanideâ€“Cyanine FRET Sensor for NIRâ€II Luminescenceâ€Lifetime In Situ Imaging of Hepatocellular Carcinoma. Advanced Materials, 2020, 32, e2001172.	21.0	166
10	NIR-II bioluminescence for in vivo high contrast imaging and in situ ATP-mediated metastases tracing. Nature Communications, 2020, 11, 4192.	12.8	163
11	Exploiting lanthanide-doped upconversion nanoparticles with core/shell structures. Nano Today, 2019, 25, 68-84.	11.9	158
12	Precise Inâ€…Vivo Inflammation Imaging Using Inâ€…Situ Responsive Crossâ€linking of Glutathioneâ€Modified Ultraâ€Small NIRâ€II Lanthanide Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 2050-2054.	13.8	144
13	Peroxynitrite Activatable NIR-II Fluorescent Molecular Probe for Drug-Induced Hepatotoxicity Monitoring. Analytical Chemistry, 2019, 91, 4771-4779.	6.5	141
14	A hybrid erbium(III)â€“bacteriochlorin near-infrared probe for multiplexed biomedical imaging. Nature Materials, 2021, 20, 1571-1578.	27.5	138
15	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. Angewandte Chemie - International Edition, 2019, 58, 13208-13219.	13.8	134
16	Bright and Stable NIRâ€II Jâ€Aggregated AIE Dibodipyâ€Based Fluorescent Probe for Dynamic Inâ€…Vivo Bioimaging. Angewandte Chemie - International Edition, 2021, 60, 3967-3973.	13.8	128
17	Beyond 1000 nm Emission Wavelength: Recent Advances in Organic and Inorganic Emitters for Deepâ€Tissue Molecular Imaging. Advanced Healthcare Materials, 2019, 8, e1900260.	7.6	125
18	Highâ€Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. Angewandte Chemie - International Edition, 2018, 57, 12824-12829.	13.8	119

#	Article	IF	Citations
19	NIRâ€Ⅱ Chemiluminescence Molecular Sensor for Inâ€…Vivo Highâ€Contrast Inflammation Imaging. Angewandte Chemie - International Edition, 2020, 59, 18380-18385.	13.8	112
20	Highâ€Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. Angewandte Chemie, 2018, 130, 13006-13011.	2.0	102
21	Independent Luminescent Lifetime and Intensity Tuning of Upconversion Nanoparticles by Gradient Doping for Multiplexed Encoding. Angewandte Chemie - International Edition, 2021, 60, 7041-7045.	13.8	64
22	Small-Molecule Lanthanide Complexes Probe for Second Near-Infrared Window Bioimaging. Analytical Chemistry, 2018, 90, 7946-7952.	6.5	61
23	Recent progress in NIR-II emitting lanthanide-based nanoparticles and their biological applications. Journal of Rare Earths, 2020, 38, 451-463.	4.8	56
24	Orthogonal Multiplexed Luminescence Encoding with Nearâ€Infrared Rechargeable Upconverting Persistent Luminescence Composites. Advanced Optical Materials, 2017, 5, 1700680.	7.3	52
25	Independent Luminescent Lifetime and Intensity Tuning of Upconversion Nanoparticles by Gradient Doping for Multiplexed Encoding. Angewandte Chemie, 2021, 133, 7117-7121.	2.0	50
26	Elemental Migration in Core/Shell Structured Lanthanide Doped Nanoparticles. Chemistry of Materials, 2019, 31, 5608-5615.	6.7	49
27	Er³⁺ Sensitized 1530â€…nm to 1180â€…nm Second Nearâ€Infrared Window Upconversion Nanocrystals for Inâ€…Vivo Biosensing. Angewandte Chemie, 2018, 130, 7640-7644.	2.0	41
28	Tm³⁺â€Sensitized NIRâ€Ⅱ Fluorescent Nanocrystals for Inâ€…Vivo Information Storage and Decoding. Angewandte Chemie, 2019, 131, 10259-10263.	2.0	40
29	Precise Inâ€…Vivo Inflammation Imaging Using Inâ€…Situ Responsive Crossâ€linking of Glutathioneâ€Modified Ultraâ€Small NIRâ€Ⅱ Lanthanide Nanoparticles. Angewandte Chemie, 2019, 131, 2072-2076.	2.0	38
30	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. Angewandte Chemie, 2019, 131, 13342-13353.	2.0	37
31	Surfactantâ€Stripped Semiconducting Polymer Micelles for Tumor Theranostics and Deep Tissue Imaging in the NIRâ€Ⅱ Window. Small, 2022, 18, e2104132.	10.0	27
32	In Vivo Assembly and Disassembly of Probes to Improve Nearâ€Infrared Optical Bioimaging. Advanced Healthcare Materials, 2019, 8, e1801650.	7.6	26
33	Bright and Stable NIRâ€Ⅱ Jâ€Aggregated AIE Dibodipyâ€Based Fluorescent Probe for Dynamic Inâ€…Vivo Bioimaging. Angewandte Chemie, 2021, 133, 4013-4019.	2.0	26
34	NIRâ€Ⅱ Chemiluminescence Molecular Sensor for Inâ€…Vivo Highâ€Contrast Inflammation Imaging. Angewandte Chemie, 2020, 132, 18538-18543.	2.0	22
35	Generation and Reactions of Heteroaromatic Lithium Compounds by Using In-Line Mixer in a Continuous Flow Microreactor System at Mild Conditions. Organic Process Research and Development, 2013, 17, 133-137.	2.7	21
36	Optical waveguide sensor based on silica nanotube arrays for label-free biosensing. Biosensors and Bioelectronics, 2015, 67, 230-236.	10.1	18

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37	Enhanced fluorescence in a nanoporous waveguide and its quantitative analysis. Optics Express, 2012, 20, 12850.	3.4	16
38	Fabrication and optical sensing properties of mesoporous silica nanorod arrays. RSC Advances, 2015, 5, 90659-90666.	3.6	16
39	Orthogonal Multiplexed NIR-II Imaging with Excitation-Selective Lanthanide-Based Nanoparticles. Analytical Chemistry, 2022, 94, 3661-3668.	6.5	14
40	Highly sensitive real-time detection of DNA hybridization by using nanoporous waveguide fluorescence spectroscopy. Applied Physics Letters, 2014, 105, .	3.3	10
41	A SiO₂-coated nanoporous alumina membrane for stable label-free waveguide biosensing. RSC Advances, 2014, 4, 62987-62995.	3.6	9
42	Tunable and Enhanced NIR-II Luminescence from Heavily Doped Rare-Earth Nanoparticles for In Vivo Bioimaging. ACS Applied Bio Materials, 2022, 5, 2935-2942.	4.6	9
43	Vapor phase synthesis of mesoporous silica rods within the pores of alumina membranes. New Journal of Chemistry, 2012, 36, 1301.	2.8	8
44	Manganese Oxide Nanoclusters for Skin Photoprotection. ACS Applied Bio Materials, 2019, 2, 3974-3982.	4.6	7
45	Hierarchically structured periodic mesoporous silica by vapor phase synthesis. Microporous and Mesoporous Materials, 2012, 162, 122-130.	4.4	4
46	A novel lanthanide-based NIR-II nanoprobe for lung squamous cell carcinoma identification. Biomaterials Science, 2021, 9, 6568-6573.	5.4	1
47	Editorial: Precise Diagnosis and Therapy Using Near-Infrared Light. Frontiers in Bioengineering and Biotechnology, 2022, 10, 864759.	4.1	0