Yong Fan

List of Publications by Year in Descending Order

45 papers	2,804 citations	26 h-index	47 g-index
47 ext. papers	3,818 ext. citations	10.3 avg, IF	5.94 L-index

#	Paper	IF	Citations
45	Orthogonal Multiplexed NIR-II Imaging with Excitation-Selective Lanthanide-Based Nanoparticles.. *Analytical Chemistry*, **2022**,	7.8	4
44	Surfactant-Stripped Semiconducting Polymer Micelles for Tumor Theranostics and Deep Tissue Imaging in the NIR-II Window. *Small*, **2021**, e2104132	11	4
43	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. *Nature Nanotechnology*, **2021**, 16, 1011-1018	28.7	83
42	Bright and Stable NIR-II J-Aggregated AIE Dibodipy-Based Fluorescent Probe for Dynamic In Vivo Bioimaging. *Angewandte Chemie*, **2021**, 133, 4013-4019	3.6	12
41	Bright and Stable NIR-II J-Aggregated AIE Dibodipy-Based Fluorescent Probe for Dynamic In Vivo Bioimaging. *Angewandte Chemie - International Edition*, **2021**, 60, 3967-3973	16.4	50
40	Independent Luminescent Lifetime and Intensity Tuning of Upconversion Nanoparticles by Gradient Doping for Multiplexed Encoding. *Angewandte Chemie - International Edition*, **2021**, 60, 7041-7045	16.4	23
39	Independent Luminescent Lifetime and Intensity Tuning of Upconversion Nanoparticles by Gradient Doping for Multiplexed Encoding. *Angewandte Chemie*, **2021**, 133, 7117-7121	3.6	6
38	A hybrid erbium(III)-bacteriochlorin near-infrared probe for multiplexed biomedical imaging. *Nature Materials*, **2021**, 20, 1571-1578	27	29
37	A novel lanthanide-based NIR-II nanoprobe for lung squamous cell carcinoma identification. *Biomaterials Science*, **2021**, 9, 6568-6573	7.4	
36	A Tumor-Microenvironment-Responsive Lanthanide-Cyanine FRET Sensor for NIR-II Luminescence-Lifetime In Situ Imaging of Hepatocellular Carcinoma. *Advanced Materials*, **2020**, 32, e2001172	24	92
35	Recent progress in NIR-II emitting lanthanide-based nanoparticles and their biological applications. *Journal of Rare Earths*, **2020**, 38, 451-463	3.7	26
34	NIR-II Chemiluminescence Molecular Sensor for In Vivo High-Contrast Inflammation Imaging. *Angewandte Chemie*, **2020**, 132, 18538-18543	3.6	11
33	NIR-II Chemiluminescence Molecular Sensor for In Vivo High-Contrast Inflammation Imaging. *Angewandte Chemie - International Edition*, **2020**, 59, 18380-18385	16.4	47
32	NIR-II bioluminescence for in vivo high contrast imaging and in situ ATP-mediated metastases tracing. *Nature Communications*, **2020**, 11, 4192	17.4	72
31	Tm -Sensitized NIR-II Fluorescent Nanocrystals for In Vivo Information Storage and Decoding. *Angewandte Chemie - International Edition*, **2019**, 58, 10153-10157	16.4	117
30	Tm3+-Sensitized NIR-II Fluorescent Nanocrystals for In Vivo Information Storage and Decoding. *Angewandte Chemie*, **2019**, 131, 10259-10263	3.6	33
29	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. *Angewandte Chemie*, **2019**, 131, 13342-13353	3.6	18

28	In Vivo Assembly and Disassembly of Probes to Improve Near-Infrared Optical Bioimaging. *Advanced Healthcare Materials*, **2019**, 8, e1801650	10.1	17
27	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. *Angewandte Chemie - International Edition*, **2019**, 58, 13208-13219	16.4	87
26	In Vivo High-resolution Ratiometric Fluorescence Imaging of Inflammation Using NIR-II Nanoprobes with 1550 nm Emission. *Nano Letters*, **2019**, 19, 2418-2427	11.5	140
25	Anti-quenching NIR-II molecular fluorophores for in vivo high-contrast imaging and pH sensing. *Nature Communications*, **2019**, 10, 1058	17.4	227
24	Exploiting lanthanide-doped upconversion nanoparticles with core/shell structures. *Nano Today*, **2019**, 25, 68-84	17.9	74
23	Beyond 1000 nm Emission Wavelength: Recent Advances in Organic and Inorganic Emitters for Deep-Tissue Molecular Imaging. *Advanced Healthcare Materials*, **2019**, 8, e1900260	10.1	99
22	Manganese Oxide Nanoclusters for Skin Photoprotection.. *ACS Applied Bio Materials*, **2019**, 2, 3974-3982	4.1	0
21	Elemental Migration in Core/Shell Structured Lanthanide Doped Nanoparticles. *Chemistry of Materials*, **2019**, 31, 5608-5615	9.6	31
20	Peroxynitrite Activatable NIR-II Fluorescent Molecular Probe for Drug-Induced Hepatotoxicity Monitoring. *Analytical Chemistry*, **2019**, 91, 4771-4779	7.8	95
19	Precise In Vivo Inflammation Imaging Using In Situ Responsive Cross-linking of Glutathione-Modified Ultra-Small NIR-II Lanthanide Nanoparticles. *Angewandte Chemie - International Edition*, **2019**, 58, 2050-2054	16.4	112
18	Precise In Vivo Inflammation Imaging Using In Situ Responsive Cross-linking of Glutathione-Modified Ultra-Small NIR-II Lanthanide Nanoparticles. *Angewandte Chemie*, **2019**, 131, 2072-2076	3.6	31
17	A New Generation of NIR-II Probes: Lanthanide-Based Nanocrystals for Bioimaging and Biosensing. *Advanced Optical Materials*, **2019**, 7, 1801417	8.1	106
16	Er Sensitized 1530 nm to 1180 nm Second Near-Infrared Window Upconversion Nanocrystals for In Vivo Biosensing. *Angewandte Chemie - International Edition*, **2018**, 57, 7518-7522	16.4	193
15	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. *Nature Nanotechnology*, **2018**, 13, 941-946	28.7	404
14	NIR-II nanoprobes in-vivo assembly to improve image-guided surgery for metastatic ovarian cancer. *Nature Communications*, **2018**, 9, 2898	17.4	243
13	Er3+ Sensitized 1530 nm to 1180 nm Second Near-Infrared Window Upconversion Nanocrystals for In Vivo Biosensing. *Angewandte Chemie*, **2018**, 130, 7640-7644	3.6	27
12	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. *Angewandte Chemie - International Edition*, **2018**, 57, 12824-12829	16.4	89
11	Small-Molecule Lanthanide Complexes Probe for Second Near-Infrared Window Bioimaging. *Analytical Chemistry*, **2018**, 90, 7946-7952	7.8	48

10	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. *Angewandte Chemie*, **2018**, 130, 13006-13011	3.6	24
9	Orthogonal Multiplexed Luminescence Encoding with Near-Infrared Rechargeable Upconverting Persistent Luminescence Composites. *Advanced Optical Materials*, **2017**, 5, 1700680	8.1	38
8	Fabrication and optical sensing properties of mesoporous silica nanorod arrays. *RSC Advances*, **2015**, 5, 90659-90666	3.7	15
7	Optical waveguide sensor based on silica nanotube arrays for label-free biosensing. *Biosensors and Bioelectronics*, **2015**, 67, 230-6	11.8	15
6	Highly sensitive real-time detection of DNA hybridization by using nanoporous waveguide fluorescence spectroscopy. *Applied Physics Letters*, **2014**, 105, 031103	3.4	9
5	A SiO2-coated nanoporous alumina membrane for stable label-free waveguide biosensing. *RSC Advances*, **2014**, 4, 62987-62995	3.7	7
4	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	3.9	18
3	Vapor phase synthesis of mesoporous silica rods within the pores of alumina membranes. *New Journal of Chemistry*, **2012**, 36, 1301	3.6	8
2	Hierarchically structured periodic mesoporous silica by vapor phase synthesis. *Microporous and Mesoporous Materials*, **2012**, 162, 122-130	5.3	4
1	Enhanced fluorescence in a nanoporous waveguide and its quantitative analysis. *Optics Express*, **2012**, 20, 12850-9	3.3	15