Jiangbo Zhao

List of Publications by Year
in descending order

39 papers	3,474 citations	430843 18 h-index	454934 30 g-index
40 all docs	40 docs citations	40 times ranked	4089 citing authors

#	Article	IF	Citations
1	Sensing Intraâ€•and Extraâ€€Cellular Ca²⁺ in the Islet of Langerhans. Advanced Functional Materials, 2022, 32, 2106020.	14.9	0
2	The Optofluidic Light Cage â€“ On-Chip Integrated Spectroscopy Using an Antiresonance Hollow Core Waveguide. Analytical Chemistry, 2021, 93, 752-760.	6.5	16
3	Smart windows â€“ Transmittance tuned thermochromic coatings for dynamic control of building performance. Energy and Buildings, 2021, 235, 110717.	6.7	40
4	Cytoplasmic delivery of quantum dots via microelectrophoresis technique. Electrophoresis, 2021, 42, 1247-1254.	2.4	1
5	Ultralong Tracking of Fast diffusing Nanoâ€Objects Inside Nanoâ€Fluidic Channel Enhanced Microstructured Optical Fiber. Advanced Photonics Research, 2021, 2, 2100032.	3.6	6
6	An improved spectrophotometric method tests the Einsteinâ€“Smoluchowski equation: a revisit and update. Physical Chemistry Chemical Physics, 2020, 22, 21784-21792.	2.8	0
7	Mechanistic insight into the non-hydrolytic solâ€“gel process of tellurite glass films to attain a high transmission. RSC Advances, 2020, 10, 2404-2415.	3.6	2
8	A Multiplexed Microfluidic Platform toward Interrogating Endocrine Function: Simultaneous Sensing of Extracellular Ca²⁺ and Hormone. ACS Sensors, 2020, 5, 490-499.	7.8	6
9	Three dimensional spatiotemporal nano-scale position retrieval of the confined diffusion of nano-objects inside optofluidic microstructured fibers. Nanoscale, 2020, 12, 3146-3156.	5.6	20
10	Recent Advances in Hybrid Optical Materials: Integrating Nanoparticles within a Glass Matrix. Advanced Optical Materials, 2019, 7, 1900702.	7.3	77
11	Responsive Upconversion Nanoprobe for Backgroundâ€Free Hypochlorous Acid Detection and Bioimaging. Small, 2019, 15, e1803712.	10.0	59
12	Intracellular delivery of nanoparticles via microelectrophoresis technique (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (Pre		0
13	Towards rewritable multilevel optical data storage in single nanocrystals. Optics Express, 2018, 26, 12266.	3.4	38
14	Rewritable multilevel optical data storage in BaFCl nanocrystals. , 2018, , .		0
15	Amplified stimulated emission in upconversion nanoparticles for super-resolution nanoscopy. Nature, 2017, 543, 229-233.	27.8	643
16	Optimal Sensitizer Concentration in Single Upconversion Nanocrystals. Nano Letters, 2017, 17, 2858-2864.	9.1	159
17	Glass and Process Development for the Next Generation of Optical Fibers: A Review. Fibers, 2017, 5, 11.	4.0	50
18	Electro-holographic display using a ZBLAN glass as the image space. Optics Letters, 2017, 42, 1317.	3.3	2

#	Article	IF	Citations
19	Upconversion Nanocrystalâ€Doped Glass: A New Paradigm for Photonic Materials. Advanced Optical Materials, 2016, 4, 1507-1517.	7.3	75
20	High-Contrast Visualization of Upconversion Luminescence in Mice Using Time-Gating Approach. Analytical Chemistry, 2016, 88, 3449-3454.	6.5	88
21	High-Precision Pinpointing of Luminescent Targets in Encoder-Assisted Scanning Microscopy Allowing High-Speed Quantitative Analysis. Analytical Chemistry, 2016, 88, 1312-1319.	6.5	3
22	Lanthanide upconversion luminescence at the nanoscale: fundamentals and optical properties. Nanoscale, 2016, 8, 13099-13130.	5.6	296
23	Upconversion Nanocrystals Doped Glass: A New Paradigm for Integrated Optical Glass. , 2016, , .		1
24	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. Nature Communications, 2014, 5, 3741.	12.8	135
25	Tunable lifetime multiplexing using luminescent nanocrystals. Nature Photonics, 2014, 8, 32-36.	31.4	652
26	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. Nature Nanotechnology, 2013, 8, 729-734.	31.5	569
27	Upconversion luminescence with tunable lifetime in NaYF₄:Yb,Er nanocrystals: role of nanocrystal size. Nanoscale, 2013, 5, 944-952.	5.6	327
28	Sensitive detection of NaYF4: Yb/Tm nanoparticles using suspended core microstructured optical fibers. , 2013, , .		2
29	Characterisation of Upconversion Nanoparticles for Imaging. , 2013, , .		1
30	Characterisation of Upconversion Nanoparticles for Imaging. , 2013, , .		0
31	Resolving Low-Expression Cell Surface Antigens by Time-Gated Orthogonal Scanning Automated Microscopy. Analytical Chemistry, 2012, 84, 9674-9678.	6.5	16
32	Background free imaging of upconversion nanoparticle distribution in human skin. Journal of Biomedical Optics, 2012, 18, 061215.	2.6	42
33	Mechanisms of size-dependent lifetime quenching in luminescent upconverting colloidal NaYF<inf>4</inf>:Yb, Er nanocrystals. , 2011, , .		0
34	Advances in lanthanide bioprobes and high-throughput background-free biophotonics sensing. , 2011, , .		0
35	Upconversion in NaYF4:Yb, Er nanoparticles amplified by metal nanostructures. Nanotechnology, 2011, 22, 325604.	2.6	73
36	Synthesis and Luminescent Properties of Nanoscale Gd₂Si₂O₇:Eu³⁺ Phosphors. Journal of Nanoscience and Nanotechnology, 2010, 10, 2219-2222.	0.9	9

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37	Cooperative energy transfer in Eu3+, Yb3+ codoped Y2O3 phosphor. Journal of Rare Earths, 2010, 28, 166-170.	4.8	37
38	Synthesis and luminescent properties of Pr-doped Lu3Al5O12 translucent ceramic. Journal of Rare Earths, 2009, 27, 376-380.	4.8	10
39	Influence of dispersant on Y2O3: Eu3+ powders synthesized by combustion method. Journal of Rare Earths, 2009, 27, 879-885.	4.8	15