

Jiangbo Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5211812/publications.pdf>

Version: 2024-02-01

39
papers

3,474
citations

489802

18
h-index

511568

30
g-index

40
all docs

40
docs citations

40
times ranked

4657
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensing Intra- and Extra-Cellular Ca^{2+} in the Islet of Langerhans. <i>Advanced Functional Materials</i> , 2022, 32, 2106020.	7.8	0
2	The Optofluidic Light Cage – On-Chip Integrated Spectroscopy Using an Antiresonance Hollow Core Waveguide. <i>Analytical Chemistry</i> , 2021, 93, 752-760.	3.2	16
3	Smart windows – Transmittance tuned thermochromic coatings for dynamic control of building performance. <i>Energy and Buildings</i> , 2021, 235, 110717.	3.1	40
4	Cytoplasmic delivery of quantum dots via microelectrophoresis technique. <i>Electrophoresis</i> , 2021, 42, 1247-1254.	1.3	1
5	Ultralong Tracking of Fast diffusing Nano-Objects Inside Nano-Fluidic Channel Enhanced Microstructured Optical Fiber. <i>Advanced Photonics Research</i> , 2021, 2, 2100032.	1.7	6
6	An improved spectrophotometric method tests the Einstein-Smoluchowski equation: a revisit and update. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21784-21792.	1.3	0
7	Mechanistic insight into the non-hydrolytic sol-gel process of tellurite glass films to attain a high transmission. <i>RSC Advances</i> , 2020, 10, 2404-2415.	1.7	2
8	A Multiplexed Microfluidic Platform toward Interrogating Endocrine Function: Simultaneous Sensing of Extracellular Ca^{2+} and Hormone. <i>ACS Sensors</i> , 2020, 5, 490-499.	4.0	6
9	Three dimensional spatiotemporal nano-scale position retrieval of the confined diffusion of nano-objects inside optofluidic microstructured fibers. <i>Nanoscale</i> , 2020, 12, 3146-3156.	2.8	20
10	Recent Advances in Hybrid Optical Materials: Integrating Nanoparticles within a Glass Matrix. <i>Advanced Optical Materials</i> , 2019, 7, 1900702.	3.6	77
11	Responsive Upconversion Nanoprobe for Background-Free Hypochlorous Acid Detection and Bioimaging. <i>Small</i> , 2019, 15, e1803712.	5.2	59
12	Intracellular delivery of nanoparticles via microelectrophoresis technique (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (Pre		
13	Towards rewritable multilevel optical data storage in single nanocrystals. <i>Optics Express</i> , 2018, 26, 12266.	1.7	38
14	Rewritable multilevel optical data storage in BaFCl nanocrystals. , 2018, , .		0
15	Amplified stimulated emission in upconversion nanoparticles for super-resolution nanoscopy. <i>Nature</i> , 2017, 543, 229-233.	13.7	643
16	Optimal Sensitizer Concentration in Single Upconversion Nanocrystals. <i>Nano Letters</i> , 2017, 17, 2858-2864.	4.5	159
17	Glass and Process Development for the Next Generation of Optical Fibers: A Review. <i>Fibers</i> , 2017, 5, 11.	1.8	50
18	Electro-holographic display using a ZBLAN glass as the image space. <i>Optics Letters</i> , 2017, 42, 1317.	1.7	2

#	ARTICLE	IF	CITATIONS
19	Upconversion Nanocrystal-Doped Glass: A New Paradigm for Photonic Materials. <i>Advanced Optical Materials</i> , 2016, 4, 1507-1517.	3.6	75
20	High-Contrast Visualization of Upconversion Luminescence in Mice Using Time-Gating Approach. <i>Analytical Chemistry</i> , 2016, 88, 3449-3454.	3.2	88
21	High-Precision Pinpointing of Luminescent Targets in Encoder-Assisted Scanning Microscopy Allowing High-Speed Quantitative Analysis. <i>Analytical Chemistry</i> , 2016, 88, 1312-1319.	3.2	3
22	Lanthanide upconversion luminescence at the nanoscale: fundamentals and optical properties. <i>Nanoscale</i> , 2016, 8, 13099-13130.	2.8	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. <i>Nature Communications</i> , 2014, 5, 3741.	5.8	135
25	Tunable lifetime multiplexing using luminescent nanocrystals. <i>Nature Photonics</i> , 2014, 8, 32-36.	15.6	652
26	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. <i>Nature Nanotechnology</i> , 2013, 8, 729-734.	15.6	569
27	Upconversion luminescence with tunable lifetime in NaYF ₄ :Yb,Er nanocrystals: role of nanocrystal size. <i>Nanoscale</i> , 2013, 5, 944-952.	2.8	327
28	Sensitive detection of NaYF ₄ : 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. <i>Analytical Chemistry</i> , 2012, 84, 9674-9678.	3.2	16
32	Background free imaging of upconversion nanoparticle distribution in human skin. <i>Journal of Biomedical Optics</i> , 2012, 18, 061215.	1.4	42
33	Mechanisms of size-dependent lifetime quenching in luminescent upconverting colloidal NaYF ₄ :Yb, Er nanocrystals. , 2011, , .		0
34	Advances in lanthanide bioprobes and high-throughput background-free biophotonics sensing. , 2011, , .		0
35	Upconversion in NaYF ₄ :Yb, Er nanoparticles amplified by metal nanostructures. <i>Nanotechnology</i> , 2011, 22, 325604.	1.3	73
36	Synthesis and Luminescent Properties of Nanoscale Gd ₂ Si ₂ O ₇ :Eu ³⁺ Phosphors. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2219-2222.	0.9	9

#	ARTICLE	IF	CITATIONS
37	Cooperative energy transfer in Eu ³⁺ , Yb ³⁺ codoped Y ₂ O ₃ phosphor. Journal of Rare Earths, 2010, 28, 166-170.	2.5	37
38	Synthesis and luminescent properties of Pr-doped Lu ₃ Al ₅ O ₁₂ translucent ceramic. Journal of Rare Earths, 2009, 27, 376-380.	2.5	10
39	Influence of dispersant on Y ₂ O ₃ : Eu ³⁺ powders synthesized by combustion method. Journal of Rare Earths, 2009, 27, 879-885.	2.5	15