Yiqing LÃ¼

List of Publications by Year
in descending order

60 papers	3,725 citations	331670 21 h-index	214800 47 g-index
62 all docs	62 docs citations	62 times ranked	4587 citing authors

#	Article	IF	Citations
1	Tunable lifetime multiplexing using luminescent nanocrystals. Nature Photonics, 2014, 8, 32-36.	31.4	652
2	Amplified stimulated emission in upconversion nanoparticles for super-resolution nanoscopy. Nature, 2017, 543, 229-233.	27.8	643
3	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. Nature Nanotechnology, 2018, 13, 941-946.	31.5	584
4	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. Nature Nanotechnology, 2013, 8, 729-734.	31.5	569
5	Effective and Targeted Human Orthotopic Glioblastoma Xenograft Therapy via a Multifunctional Biomimetic Nanomedicine. Advanced Materials, 2018, 30, e1803717.	21.0	148
6	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. Nature Communications, 2014, 5, 3741.	12.8	135
7	High-Contrast Visualization of Upconversion Luminescence in Mice Using Time-Gating Approach. Analytical Chemistry, 2016, 88, 3449-3454.	6.5	88
8	Facile Assembly of Functional Upconversion Nanoparticles for Targeted Cancer Imaging and Photodynamic Therapy. ACS Applied Materials & Interfaces, 2016, 8, 11945-11953.	8.0	86
9	Deep-penetrating photodynamic therapy with KillerRed mediated by upconversion nanoparticles. Acta Biomaterialia, 2017, 51, 461-470.	8.3	77
10	Brainâ€Targeted Aggregationâ€Inducedâ€Emission Nanoparticles with Nearâ€Infrared Imaging at 1550Ânm Boosts Orthotopic Glioblastoma Theranostics. Advanced Materials, 2022, 34, e2106082.	21.0	75
11	One-Step Protein Conjugation to Upconversion Nanoparticles. Analytical Chemistry, 2015, 87, 10406-10413.	6.5	54
12	Practical Implementation, Characterization and Applications of a Multi-Colour Time-Gated Luminescence Microscope. Scientific Reports, 2014, 4, 6597.	3.3	51
13	3D sub-diffraction imaging in a conventional confocal configuration by exploiting super-linear emitters. Nature Communications, 2019, 10, 3695.	12.8	51
14	DNA nanoclew templated spherical nucleic acids for siRNA delivery. Chemical Communications, 2018, 54, 3609-3612.	4.1	50
15	Emission stability and reversibility of upconversion nanocrystals. Journal of Materials Chemistry C, 2016, 4, 9227-9234.	5.5	27
16	Facile Peptides Functionalization of Lanthanide-Based Nanocrystals through Phosphorylation Tethering for Efficient in Vivo NIR-to-NIR Bioimaging. Analytical Chemistry, 2016, 88, 1930-1936.	6.5	27
17	Phosphorylated Peptide Functionalization of Lanthanide Upconversion Nanoparticles for Tuning Nanomaterialâ€“Cell Interactions. ACS Applied Materials & Interfaces, 2016, 8, 6935-6943.	8.0	26
18	Efficient upconverting carbon nitride nanotubes for near-infrared-driven photocatalytic hydrogen production. Nanoscale, 2019, 11, 20274-20283.	5.6	26

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19	Time-Gated Orthogonal Scanning Automated Microscopy (OSAM) for High-speed Cell Detection and Analysis. Scientific Reports, 2012, 2, 837.	3.3	25
20	Stable Upconversion Nanohybrid Particles for Specific Prostate Cancer Cell Immunodetection. Scientific Reports, 2016, 6, 37533.	3.3	25
21	How to Build a Timeâ€Gated Luminescence Microscope. Current Protocols in Cytometry, 2014, 67, 2.22.1-2.22.36.	3.7	23
22	Controlling the non-linear emission of upconversion nanoparticles to enhance super-resolution imaging performance. Nanoscale, 2020, 12, 20347-20355.	5.6	23
23	Automated detection of rareâ€event pathogens through timeâ€gated luminescence scanning microscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 349-355.	1.5	22
24	Tuning the Elasticity of Polymersomes for Brain Tumor Targeting. Advanced Science, 2021, 8, e2102001.	11.2	21
25	Label-Free Fluorescent Poly(amidoamine) Dendrimer for Traceable and Controlled Drug Delivery. Biomacromolecules, 2019, 20, 2148-2158.	5.4	19
26	Developing a pH-sensitive Al(OH)₃layer-mediated UCNP@Al(OH)₃/Au nanohybrid for photothermal therapy and fluorescence imagingin vivo. Journal of Materials Chemistry B, 2018, 6, 7862-7870.	5.8	17
27	Resolution and contrast enhancement of laser-scanning multiphoton microscopy using thulium-doped upconversion nanoparticles. Nano Research, 2019, 12, 2933-2940.	10.4	17
28	Resolving Low-Expression Cell Surface Antigens by Time-Gated Orthogonal Scanning Automated Microscopy. Analytical Chemistry, 2012, 84, 9674-9678.	6.5	16
29	A versatile upconversion surface evaluation platform for bioâ€“nano surface selection for the nervous system. Nanoscale, 2017, 9, 13683-13692.	5.6	13
30	Simultaneous super-linear excitation-emission and emission depletion allows imaging of upconversion nanoparticles with higher sub-diffraction resolution. Optics Express, 2020, 28, 24308.	3.4	13
31	Quantifying the Influence of Inert Shell Coating on Luminescence Brightness of Lanthanide Upconversion Nanoparticles. ACS Photonics, 2022, 9, 758-764.	6.6	13
32	Laser oblique scanning optical microscopy (LOSOM) for phase relief imaging. Optics Express, 2012, 20, 14100.	3.4	12
33	Light-Emitting Diode Excitation for Upconversion Microscopy: A Quantitative Assessment. Nano Letters, 2020, 20, 8487-8492.	9.1	11
34	Aspect Ratio of PEGylated Upconversion Nanocrystals Affects the Cellular Uptake In Vitro and In Vivo. Acta Biomaterialia, 2022, 147, 403-413.	8.3	11
35	A Robust Intrinsically Green Fluorescent Poly(Amidoamine) Dendrimer for Imaging and Traceable Central Nervous System Delivery in Zebrafish. Small, 2020, 16, 2003654.	10.0	8
36	A cost-effective analog method to produce time-gated luminescence images. Proceedings of SPIE, 2012, , .	0.8	6

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37	Chemical compounds with a neuroprotective effect from the seeds of Celosia argentea L.. Food and Function, 2021, 12, 83-96.	4.6	6
38	Time-resolved microfluidic flow cytometer for decoding luminescence lifetimes in the microsecond region. Lab on A Chip, 2020, 20, 655-664.	6.0	5
39	The feasibility of MiltuximabÂ®-IRDye700DX-mediated photoimmunotherapy of solid tumors. Photodiagnosis and Photodynamic Therapy, 2020, 32, 102064.	2.6	5
40	Lifetime-Engineered Ruby Nanoparticles (Tau-Rubies) for Multiplexed Imaging of Î¼-Opioid Receptors. ACS Sensors, 2021, 6, 1375-1383.	7.8	5
41	Observation of mesenteric microcirculatory disturbance in rat by laser oblique scanning optical microscopy. Scientific Reports, 2013, 3, 1762.	3.3	4
42	Nanostructured Siliconâ€Based Fingerprint Dusting Powders for Enhanced Visualization and Detection by Mass Spectrometry. ChemPlusChem, 2016, 81, 258-261.	2.8	4
43	Homogenization of Optical Field in Nanocrystal-Embedded Perovskite Composites. ACS Energy Letters, 2022, 7, 1657-1671.	17.4	4
44	Assessing the activity of antibodies conjugated to upconversion nanoparticles for immunolabeling. Analytica Chimica Acta, 2022, 1209, 339863.	5.4	4
45	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
46	Lifetime Multiplexing with Lanthanide Complexes for Luminescence In Situ Hybridisation. Analysis & Sensing, 2022, 2, .	2.0	2
47	Solid-state laser system for terahertz radiation generation. , 2009, , .		0
48	Advances in lanthanide bioprobes and high-throughput background-free biophotonics sensing. , 2011, , .		0
49	Cytometric investigation of rare-events featuring time-gated detection and high-speed stage scanning. , 2011, , .		0
50	Orthogonal Scanning Automated Microscopy Speeds Up Time-Gated Luminescence Detection. , 2013, , .		0
51	Systematic assessment of blood circulation time of functionalized upconversion nanoparticles in the chick embryo. , 2015, , .		0
52	Editorial: Modern Tools for Time-Resolved Luminescence Biosensing and Imaging. Frontiers in Physics, 0, 9, .	2.1	0
53	LOSOM: phase relief imaging can be achieved with confocal system. Proceedings of SPIE, 2012, , .	0.8	0
54	Bright upconversion nanoparticles under light-emitting diode excitation. , 2019, , .		0

#	Article	IF	Citations
55	Lifetime-Multiplexed Luminescence in situ Hybridisation for Bacteria Detection. , 2020, , .		0
56	Achieving spontaneous super-resolution in a confocal microscope by exploiting super-linear emitters (Conference Presentation). , 2020, , .		0
57	Revisiting the Effect of Inert Shell on Luminescence Enhancement of Upconversion Nanoparticles. , 2020, , .		0
58	A practical theoretical framework for optimizing spontaneous super-resolution on confocal microscopes (Conference Presentation). , 2020, , .		0
59	Lifetime Multiplexing with Lanthanide Complexes for Luminescence In Situ Hybridisation. Analysis & Sensing, 0, , .	2.0	0
60	Editorial: Precise Diagnosis and Therapy Using Near-Infrared Light. Frontiers in Bioengineering and Biotechnology, 2022, 10, 864759.	4.1	0