

Yi Lin

List of Publications by Year in descending order

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34
papers

1,379
citations

361413

20
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

2271
citing authors

#	ARTICLE	IF	CITATIONS
1	Shifting and non-shifting fluorescence emitted by carbon nanodots. <i>Journal of Materials Chemistry</i> , 2012, 22, 5917.	6.7	177
2	Detection of SARS-CoV-2 by CRISPR/Cas12a-Enhanced Colorimetry. <i>ACS Sensors</i> , 2021, 6, 1086-1093.	7.8	108
3	A colorimetric and electrochemical immunosensor for point-of-care detection of enterovirus 71. <i>Biosensors and Bioelectronics</i> , 2018, 99, 186-192.	10.1	94
4	Metal-enhanced fluorescent dye-doped silica nanoparticles and magnetic separation: A sensitive platform for one-step fluorescence detection of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2017, 87, 881-887.	10.1	84
5	Ultrasmall Pb:Ag ₂ S Quantum Dots with Uniform Particle Size and Bright Tunable Fluorescence in the NIR-II Window. <i>Small</i> , 2018, 14, e1703296.	10.0	78
6	Robust and Highly Sensitive Fluorescence Approach for Point-of-Care Virus Detection Based on Immunomagnetic Separation. <i>Analytical Chemistry</i> , 2012, 84, 2358-2365.	6.5	73
7	Construction of high strength hollow fibers by self-assembly of a stiff polysaccharide with short branches in water. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4198.	10.3	69
8	Cell Membrane-Camouflaged NIR II Fluorescent Ag ₂ Te Quantum Dots-Based Nanobioprobes for Enhanced In Vivo Homotypic Tumor Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900341.	7.6	68
9	Rational Design of a Multifunctional Molecular Dye with Single Dose and Laser for Efficiency NIR-II Fluorescence/Photoacoustic Imaging Guided Photothermal Therapy. <i>Analytical Chemistry</i> , 2019, 91, 12476-12483.	6.5	62
10	Functionalization of Graphene Sheets by Polyacetylene: Convenient Synthesis and Enhanced Emission. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 768-773.	2.2	54
11	Labeling the nucleocapsid of enveloped baculovirus with quantum dots for single-virus tracking. <i>Biomaterials</i> , 2014, 35, 2295-2301.	11.4	48
12	Indirect immunofluorescence detection of E. coli O157:H7 with fluorescent silica nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 66, 95-102.	10.1	44
13	Simultaneous Point-of-Care Detection of Enterovirus 71 and Coxsackievirus B3. <i>Analytical Chemistry</i> , 2015, 87, 11105-11112.	6.5	43
14	Labeling viral envelope lipids with quantum dots by harnessing the biotinylated lipid-self-inserted cellular membrane. <i>Biomaterials</i> , 2016, 106, 69-77.	11.4	40
15	Dual Amplification Fluorescence Assay for Alpha Fetal Protein Utilizing Immunohybridization Chain Reaction and Metal-Enhanced Fluorescence of Carbon Nanodots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37606-37614.	8.0	34
16	One-to-one quantum dot-labeled single long DNA probes. <i>Biomaterials</i> , 2011, 32, 5471-5477.	11.4	32
17	One-Step Monitoring of Multiple Enterovirus 71 Infection-Related MicroRNAs Using Core-Satellite Structure of Magnetic Nanobeads and Multicolor Quantum Dots. <i>Analytical Chemistry</i> , 2020, 92, 830-837.	6.5	26
18	Fluorescence Detection of H5N1 Virus Gene Sequences Based on Optical Tweezers with Two-Photon Excitation Using a Single Near Infrared Nanosecond Pulse Laser. <i>Analytical Chemistry</i> , 2016, 88, 4432-4439.	6.5	23

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19	Transformation of Viral Light Particles into Near-Infrared Fluorescence Quantum Dot-Labeled Active Tumor-Targeting Nanovectors for Drug Delivery. <i>Nano Letters</i> , 2019, 19, 7035-7042.	9.1	23
20	Breaking Through Bead-Supported Assay: Integration of Optical Tweezers Assisted Fluorescence Imaging and Luminescence Confined Upconversion Nanoparticles Triggered Luminescent Resonance Energy Transfer (LRET). <i>Analytical Chemistry</i> , 2019, 91, 7950-7957.	6.5	21
21	Measuring radial Young's modulus of DNA by tapping mode AFM. <i>Science Bulletin</i> , 2007, 52, 3189-3192.	1.7	19
22	An electrochemical and surface plasmon resonance study of adsorption actions of DNA by <i>Escherichia coli</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 68-74.	5.0	17
23	Intracellular self-assembly based multi-labeling of key viral components: Envelope, capsid and nucleic acids. <i>Biomaterials</i> , 2016, 99, 24-33.	11.4	17
24	Preparation of Monodisperse Hydrophilic Quantum Dots with Amphiphilic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39901-39906.	8.0	17
25	One-step separation-free detection of carcinoembryonic antigen in whole serum: Combination of two-photon excitation fluorescence and optical trapping. <i>Biosensors and Bioelectronics</i> , 2017, 90, 146-152.	10.1	17
26	Multifunctional Cellular Beacons with in Situ Synthesized Quantum Dots Make Pathogen Detectable with the Naked Eye. <i>Analytical Chemistry</i> , 2019, 91, 7280-7287.	6.5	16
27	Thermoreversible organogels formed in a polyol system for the preparation of Sn nanoparticles encapsulated in carbon. <i>Journal of Materials Chemistry</i> , 2008, 18, 5445.	6.7	13
28	Dual-component gene detection for H7N9 virus – The combination of optical trapping and bead-based fluorescence assay. <i>Biosensors and Bioelectronics</i> , 2016, 86, 1031-1037.	10.1	13
29	Internalization of the pseudorabies virus via macropinocytosis analyzed by quantum dot-based single-virus tracking. <i>Chemical Communications</i> , 2018, 54, 11184-11187.	4.1	13
30	Incorporating luminescence-concentrating upconversion nanoparticles and DNA walkers into optical tweezers assisted imaging: a highly stable and ultrasensitive bead supported assay. <i>Chemical Communications</i> , 2020, 56, 6997-7000.	4.1	12
31	Tracking single baculovirus retrograde transportation in host cell via quantum dot-labeling of virus internal component. <i>Journal of Nanobiotechnology</i> , 2017, 15, 37.	9.1	11
32	Zinc Fingers Function Cooperatively with KRAB Domain for Nuclear Localization of KRAB-Containing Zinc Finger Proteins. <i>PLoS ONE</i> , 2014, 9, e92155.	2.5	9
33	Chlorophyll-Based Near-Infrared Fluorescent Nanocomposites: Preparation and Optical Properties. <i>ACS Omega</i> , 2020, 5, 14261-14266.	3.5	3
34	A salt-out strategy for purification of amphiphilic polymer-coated quantum dots. <i>New Journal of Chemistry</i> , 2020, 44, 15341-15344.	2.8	1