Yi Lin

List of Publications by Year in descending order

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	Detection of SARS-CoV-2 by CRISPR/Cas12a-Enhanced Colorimetry. ACS Sensors, 2021, 6, 1086-1093.	7.8	108
2	One-Step Monitoring of Multiple Enterovirus 71 Infection-Related MicroRNAs Using Coreâ€“Satellite Structure of Magnetic Nanobeads and Multicolor Quantum Dots. Analytical Chemistry, 2020, 92, 830-837.	6.5	26
3	A salt-out strategy for purification of amphiphilic polymer-coated quantum dots. New Journal of Chemistry, 2020, 44, 15341-15344.	2.8	1
4	Chlorophyll-Based Near-Infrared Fluorescent Nanocomposites: Preparation and Optical Properties. ACS Omega, 2020, 5, 14261-14266.	3.5	3
5	Incorporating luminescence-concentrating upconversion nanoparticles and DNA walkers into optical tweezers assisted imaging: a highly stable and ultrasensitive bead supported assay. Chemical Communications, 2020, 56, 6997-7000.	4.1	12
6	Rational Design of a Multifunctional Molecular Dye with Single Dose and Laser for Efficiency NIR-II Fluorescence/Photoacoustic Imaging Guided Photothermal Therapy. Analytical Chemistry, 2019, 91, 12476-12483.	6.5	62
7	Transformation of Viral Light Particles into Near-Infrared Fluorescence Quantum Dot-Labeled Active Tumor-Targeting Nanovectors for Drug Delivery. Nano Letters, 2019, 19, 7035-7042.	9.1	23
8	Cell Membraneâ€Camouflaged NIR II Fluorescent Ag₂Te Quantum Dotsâ€Based Nanobioprobes for Enhanced In Vivo Homotypic Tumor Imaging. Advanced Healthcare Materials, 2019, 8, e1900341.	7.6	68
9	Breaking Through Bead-Supported Assay: Integration of Optical Tweezers Assisted Fluorescence Imaging and Luminescence Confined Upconversion Nanoparticles Triggered Luminescent Resonance Energy Transfer (LRET). Analytical Chemistry, 2019, 91, 7950-7957.	6.5	21
10	Multifunctional Cellular Beacons with in Situ Synthesized Quantum Dots Make Pathogen Detectable with the Naked Eye. Analytical Chemistry, 2019, 91, 7280-7287.	6.5	16
11	Ultrasmall Pb:Ag₂S Quantum Dots with Uniform Particle Size and Bright Tunable Fluorescence in the NIRâ€II Window. Small, 2018, 14, e1703296.	10.0	78
12	A colorimetric and electrochemical immunosensor for point-of-care detection of enterovirus 71. Biosensors and Bioelectronics, 2018, 99, 186-192.	10.1	94
13	Internalization of the pseudorabies virusviamacropinocytosis analyzed by quantum dot-based single-virus tracking. Chemical Communications, 2018, 54, 11184-11187.	4.1	13
14	Tracking single baculovirus retrograde transportation in host cell via quantum dot-labeling of virus internal component. Journal of Nanobiotechnology, 2017, 15, 37.	9.1	11
15	Dual Amplification Fluorescence Assay for Alpha Fetal Protein Utilizing Immunohybridization Chain Reaction and Metal-Enhanced Fluorescence of Carbon Nanodots. ACS Applied Materials & Interfaces, 2017, 9, 37606-37614.	8.0	34
16	Preparation of Monodisperse Hydrophilic Quantum Dots with Amphiphilic Polymers. ACS Applied Materials & Interfaces, 2017, 9, 39901-39906.	8.0	17
17	One-step separation-free detection of carcinoembryonic antigen in whole serum: Combination of two-photon excitation fluorescence and optical trapping. Biosensors and Bioelectronics, 2017, 90, 146-152.	10.1	17
18	Metal-enhanced fluorescent dye-doped silica nanoparticles and magnetic separation: A sensitive platform for one-step fluorescence detection of prostate specific antigen. Biosensors and Bioelectronics, 2017, 87, 881-887.	10.1	84

#	Article	IF	Citations
19	Fluorescence Detection of H5N1 Virus Gene Sequences Based on Optical Tweezers with Two-Photon Excitation Using a Single Near Infrared Nanosecond Pulse Laser. Analytical Chemistry, 2016, 88, 4432-4439.	6.5	23
20	Intracellular self-assembly based multi-labeling of key viral components: Envelope, capsid and nucleic acids. Biomaterials, 2016, 99, 24-33.	11.4	17
21	Dual-component gene detection for H7N9 virus â€“ The combination of optical trapping and bead-based fluorescence assay. Biosensors and Bioelectronics, 2016, 86, 1031-1037.	10.1	13
22	Labeling viral envelope lipids with quantum dots by harnessing the biotinylated lipid-self-inserted cellular membrane. Biomaterials, 2016, 106, 69-77.	11.4	40
23	Simultaneous Point-of-Care Detection of Enterovirus 71 and Coxsackievirus B3. Analytical Chemistry, 2015, 87, 11105-11112.	6.5	43
24	Indirect immunofluorescence detection of E. coli O157:H7 with fluorescent silica nanoparticles. Biosensors and Bioelectronics, 2015, 66, 95-102.	10.1	44
25	Zinc Fingers Function Cooperatively with KRAB Domain for Nuclear Localization of KRAB-Containing Zinc Finger Proteins. PLoS ONE, 2014, 9, e92155.	2.5	9
26	An electrochemical and surface plasmon resonance study of adsorption actions of DNA by Escherichia coli. Colloids and Surfaces B: Biointerfaces, 2014, 117, 68-74.	5.0	17
27	Labeling the nucleocapsid of enveloped baculovirus with quantum dots for single-virus tracking. Biomaterials, 2014, 35, 2295-2301.	11.4	48
28	Construction of high strength hollow fibers by self-assembly of a stiff polysaccharide with short branches in water. Journal of Materials Chemistry A, 2013, 1, 4198.	10.3	69
29	Shifting and non-shifting fluorescence emitted by carbon nanodots. Journal of Materials Chemistry, 2012, 22, 5917.	6.7	177
30	Robust and Highly Sensitive Fluorescence Approach for Point-of-Care Virus Detection Based on Immunomagnetic Separation. Analytical Chemistry, 2012, 84, 2358-2365.	6.5	73
31	Functionalization of Graphene Sheets by Polyacetylene: Convenient Synthesis and Enhanced Emission. Macromolecular Chemistry and Physics, 2011, 212, 768-773.	2.2	54
32	One-to-one quantum dot-labeled single long DNA probes. Biomaterials, 2011, 32, 5471-5477.	11.4	32
33	Thermoreversible organogels formed in a polyol system for the preparation of Sn nanoparticles encapsulated in carbon. Journal of Materials Chemistry, 2008, 18, 5445.	6.7	13
34	Measuring radial Youngâ€™s modulus of DNA by tapping mode AFM. Science Bulletin, 2007, 52, 3189-3192.	1.7	19