

Liang Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

929
citations

471371

17
h-index

677027

22
g-index

22
all docs

22
docs citations

22
times ranked

1478
citing authors

#	ARTICLE	IF	CITATIONS
1	Nature-Inspired DNA Nanosensor for Real-Time <i>in Situ</i> Detection of mRNA in Living Cells. ACS Nano, 2015, 9, 5609-5617.	7.3	159
2	Selective collection and detection of MCF-7 breast cancer cells using aptamer-functionalized magnetic beads and quantum dots based nano-bio-probes. Analytica Chimica Acta, 2013, 788, 135-140.	2.6	127
3	Polymer-Functionalized Silica Nanosphere Labels for Ultrasensitive Detection of Tumor Necrosis Factor-alpha. Analytical Chemistry, 2011, 83, 6800-6809.	3.2	100
4	Integrated Tyramide and Polymerization-Assisted Signal Amplification for a Highly-Sensitive Immunoassay. Analytical Chemistry, 2012, 84, 10737-10744.	3.2	70
5	Label-free electrochemical immunosensors based on surface-initiated atom radical polymerization. Biosensors and Bioelectronics, 2012, 38, 79-85.	5.3	62
6	Ultrasensitive IgG quantification using DNA nano-pyramids. NPG Asia Materials, 2014, 6, e112-e112.	3.8	56
7	Peptide-based electrochemical biosensing. Sensors and Actuators B: Chemical, 2021, 344, 130232.	4.0	43
8	A novel electrochemiluminescence immunosensor via polymerization-assisted amplification. Chemical Communications, 2010, 46, 7763.	2.2	40
9	Colorimetric immunosensing via protein functionalized gold nanoparticle probe combined with atom transfer radical polymerization. Biosensors and Bioelectronics, 2011, 26, 3788-3793.	5.3	38
10	Signal amplification strategies for DNA and protein detection based on polymeric nanocomposites and polymerization: A review. Analytica Chimica Acta, 2015, 877, 19-32.	2.6	35
11	Collision and Oxidation of Single LiCoO ₂ Nanoparticles Studied by Correlated Optical Imaging and Electrochemical Recording. Analytical Chemistry, 2017, 89, 6050-6055.	3.2	31
12	Plasmonic Imaging of Electrochemical Impedance. Annual Review of Analytical Chemistry, 2017, 10, 183-200.	2.8	30
13	Digitizing Gold Nanoparticle-Based Colorimetric Assay by Imaging and Counting Single Nanoparticles. Analytical Chemistry, 2016, 88, 2321-2326.	3.2	23
14	Nitrogen-Doped Carbon Hollow Spheres for Immobilization, Direct Electrochemistry, and Biosensing of Protein. Electroanalysis, 2012, 24, 1424-1430.	1.5	19
15	Sugar-Grafted Cyclodextrin Nanocarrier as a "Trojan Horse" for Potentiating Antibiotic Activity. Pharmaceutical Research, 2016, 33, 1161-1174.	1.7	19
16	Surface-Initiated Atom Transfer Radical Polymerization of 4-Acetoxy styrene for Immunosensing. Chemistry - A European Journal, 2011, 17, 976-983.	1.7	18
17	A signal amplification strategy based on peptide self-assembly for the identification of amyloid- β^2 oligomer. Sensors and Actuators B: Chemical, 2021, 335, 129697.	4.0	17
18	Macroinitiator triggered polymerization for versatile immunoassay. RSC Advances, 2014, 4, 140-146.	1.7	10

#	ARTICLE	IF	CITATIONS
19	A dynamic electrochemical cell sensor for selective capture, rapid detection and noninvasive release of tumor cells. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129345.	4.0	9
20	Application of Atom Transfer Radical Polymerization in Biosensing. <i>Chinese Journal of Analytical Chemistry</i> , 2012, 40, 1797-1802.	0.9	8
21	Deformation of stable and toxic hIAPP oligomers by liposomes with distinct nanomechanical features and reduced cytotoxicity. <i>Chemical Communications</i> , 2019, 55, 14359-14362.	2.2	8
22	<i>In operando</i> imaging of self-catalyzed formaldehyde burst in methanol oxidation reactions under open circuit conditions. <i>Chemical Science</i> , 2018, 9, 3318-3323.	3.7	7