Liang Yuan

List of Publications by Year
in descending order

22	929	471371 17	677027 22
papers	citations	h-index	g-index

22	22	22	1478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A dynamic electrochemical cell sensor for selective capture, rapid detection and noninvasive release of tumor cells. Sensors and Actuators B: Chemical, 2021, 330, 129345.	4.0	9
2	A signal amplification strategy based on peptide self-assembly for the identification of amyloid-Î² oligomer. Sensors and Actuators B: Chemical, 2021, 335, 129697.	4.0	17
3	Peptide-based electrochemical biosensing. Sensors and Actuators B: Chemical, 2021, 344, 130232.	4.0	43
4	Deformation of stable and toxic hIAPP oligomers by liposomes with distinct nanomechanical features and reduced cytotoxicity. Chemical Communications, 2019, 55, 14359-14362.	2.2	8
5	In operando imaging of self-catalyzed formaldehyde burst in methanol oxidation reactions under open circuit conditions. Chemical Science, 2018, 9, 3318-3323.	3.7	7
6	Collision and Oxidation of Single LiCoO2 Nanoparticles Studied by Correlated Optical Imaging and Electrochemical Recording. Analytical Chemistry, 2017, 89, 6050-6055.	3.2	31
7	Plasmonic Imaging of Electrochemical Impedance. Annual Review of Analytical Chemistry, 2017, 10, 183-200.	2.8	30
8	Digitizing Gold Nanoparticle-Based Colorimetric Assay by Imaging and Counting Single Nanoparticles. Analytical Chemistry, 2016, 88, 2321-2326.	3.2	23
9	Sugar-Grafted Cyclodextrin Nanocarrier as a â€œTrojan Horseâ€•for Potentiating Antibiotic Activity. Pharmaceutical Research, 2016, 33, 1161-1174.	1.7	19
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	Nature-Inspired DNA Nanosensor for Real-Time in Situ Detection of mRNA in Living Cells. ACS Nano, 2015, 9, 5609-5617.	7.3	159
12	Macroinitiator triggered polymerization for versatile immunoassay. RSC Advances, 2014, 4, 140-146.	1.7	10
13	Ultrasensitive IgG quantification using DNA nano-pyramids. NPG Asia Materials, 2014, 6, e112-e112.	3.8	56
14	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
15	Application of Atom Transfer Radical Polymerization in Biosensing. Chinese Journal of Analytical Chemistry, 2012, 40, 1797-1802.	0.9	8
16	Label-free electrochemical immunosensors based on surface-initiated atom radical polymerization. Biosensors and Bioelectronics, 2012, 38, 79-85.	5.3	62
17	Integrated Tyramide and Polymerization-Assisted Signal Amplification for a Highly-Sensitive Immunoassay. Analytical Chemistry, 2012, 84, 10737-10744.	3.2	70
18	Nitrogenâ€Doped Carbon Hollow Spheres for Immobilization, Direct Electrochemistry, and Biosensing of Protein. Electroanalysis, 2012, 24, 1424-1430.	1.5	19

#	Article	IF	Citations
19	Polymer-Functionalized Silica Nanosphere Labels for Ultrasensitive Detection of Tumor Necrosis Factor-alpha. Analytical Chemistry, 2011, 83, 6800-6809.	3.2	100
20	Surfaceâ€Initiated Atomâ€Transfer Radical Polymerization of 4â€Acetoxystyrene for Immunosensing. Chemistry - A European Journal, 2011, 17, 976-983.	1.7	18
21	Colorimetric immunosensing via protein functionalized gold nanoparticle probe combined with atom transfer radical polymerization. Biosensors and Bioelectronics, 2011, 26, 3788-3793.	5.3	38
22	A novel electrochemiluminescence immunosensor via polymerization-assisted amplification. Chemical Communications, 2010, 46, 7763.	2.2	40