

Zhenli Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,565
citations

430874

18
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

2830
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioresponsive Release System for Visual Fluorescence Detection of Carcinoembryonic Antigen from Mesoporous Silica Nanocontainers Mediated Optical Color on Quantum Dot-Enzyme-Impregnated Paper. <i>Analytical Chemistry</i> , 2017, 89, 5152-5160.	6.5	405
2	Near-Infrared-to-Ultraviolet Light-Mediated Photoelectrochemical Aptasensing Platform for Cancer Biomarker Based on Core-Shell NaYF ₄ :Yb,Tm@TiO ₂ Upconversion Microrods. <i>Analytical Chemistry</i> , 2018, 90, 1021-1028.	6.5	321
3	Dual-Channel Photoelectrochemical Ratiometric Aptasensor with up-Converting Nanocrystals Using Spatial-Resolved Technique on Homemade 3D Printed Device. <i>Analytical Chemistry</i> , 2019, 91, 1260-1268.	6.5	250
4	Plasmonic Enhancement Coupling with Defect-Engineered TiO ₂ : A Mode for Sensitive Photoelectrochemical Biosensing. <i>Analytical Chemistry</i> , 2018, 90, 2425-2429.	6.5	208
5	Enzymatic Oxidate-Triggered Self-Illuminated Photoelectrochemical Sensing Platform for Portable Immunoassay Using Digital Multimeter. <i>Analytical Chemistry</i> , 2016, 88, 2958-2966.	6.5	138
6	CdTe/CdSe quantum dot-based fluorescent aptasensor with hemin/G-quadruplex DNzyme for sensitive detection of lysozyme using rolling circle amplification and strand hybridization. <i>Biosensors and Bioelectronics</i> , 2017, 87, 18-24.	10.1	133
7	Self-Referenced Smartphone Imaging for Visual Screening of H ₂ S Using Cu ₂ O-Polypyrrole Conductive Aerogel Doped with Graphene Oxide Framework. <i>Analytical Chemistry</i> , 2018, 90, 9691-9694.	6.5	125
8	Cu ²⁺ -Doped SnO ₂ Nanograin/Polypyrrole Nanospheres with Synergic Enhanced Properties for Ultrasensitive Room-Temperature H ₂ S Gas Sensing. <i>Analytical Chemistry</i> , 2017, 89, 11135-11142.	6.5	122
9	NaYF ₄ :Yb,Er Upconversion Nanotransducer with in Situ Fabrication of Ag ₂ S for Near-Infrared Light Responsive Photoelectrochemical Biosensor. <i>Analytical Chemistry</i> , 2018, 90, 12214-12220.	6.5	116
10	Semiautomated Support Photoelectrochemical Immunosensing Platform for Portable and High-Throughput Immunoassay Based on Au Nanocrystal Decorated Specific Crystal Facets BiVO ₄ Photoanode. <i>Analytical Chemistry</i> , 2016, 88, 12539-12546.	6.5	107
11	Nanostructure-based photoelectrochemical sensing platforms for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2541-2561.	5.8	103
12	Hybridization chain reaction-based colorimetric aptasensor of adenosine 5â€²-triphosphate on unmodified gold nanoparticles and two label-free hairpin probes. <i>Biosensors and Bioelectronics</i> , 2017, 89, 1006-1012.	10.1	100
13	Magnetic Graphene Nanosheet-Based Microfluidic Device for Homogeneous Real-Time Electronic Monitoring of Pyrophosphatase Activity Using Enzymatic Hydrolysate-Induced Release of Copper Ion. <i>Analytical Chemistry</i> , 2016, 88, 1030-1038.	6.5	92
14	Enzyme-triggered formation of enzyme-tyramine concatamers on nanogold-functionalized dendrimer for impedimetric detection of Hg(II) with sensitivity enhancement. <i>Biosensors and Bioelectronics</i> , 2016, 75, 108-115.	10.1	85
15	In Situ Generation of Electron Donor to Assist Signal Amplification on Porphyrin-Sensitized Titanium Dioxide Nanostructures for Ultrasensitive Photoelectrochemical Immunoassay. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23812-23818.	8.0	78
16	Plasmonic resonance enhanced photoelectrochemical aptasensors based on g-C ₃ N ₄ /Bi ₂ MoO ₆ . <i>Chemical Communications</i> , 2018, 54, 7199-7202.	4.1	62
17	Invertase-labeling gold-dendrimer for in situ amplified detection mercury(II) with glucometer readout and thymineâ€“Hg 2+ â€“thymine coordination chemistry. <i>Biosensors and Bioelectronics</i> , 2016, 77, 681-686.	10.1	59
18	Cobalt-Porphyrin-Platinum-Functionalized Reduced Graphene Oxide Hybrid Nanostructures: A Novel Peroxidase Mimetic System For Improved Electrochemical Immunoassay. <i>Scientific Reports</i> , 2015, 5, 15113.	3.3	51

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19	Ti ₃ C ₂ MXene-anchored photoelectrochemical detection of exosomes by <i>in situ</i> fabrication of CdS nanoparticles with enzyme-assisted hybridization chain reaction. RSC Advances, 2022, 12, 14260-14267.	3.6	10