

Yingju Liu

List of Publications by Year in descending order

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60
papers

2,259
citations

159585

30
h-index

223800

46
g-index

60
all docs

60
docs citations

60
times ranked

2729
citing authors

#	ARTICLE	IF	CITATIONS
1	Capsulation of AuNCs with AIE Effect into Metal-Organic Framework for the Marriage of a Fluorescence and Colorimetric Biosensor to Detect Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2021, 93, 7275-7282.	6.5	177
2	Dual-Modal Split-Type Immunosensor for Sensitive Detection of Microcystin-LR: Enzyme-Induced Photoelectrochemistry and Colorimetry. <i>Analytical Chemistry</i> , 2018, 90, 9606-9613.	6.5	134
3	Strongly coupled MoS ₂ nanoflake-carbon nanotube nanocomposite as an excellent electrocatalyst for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1558-1566.	10.3	117
4	Ultra-thin SiC layer covered graphene nanosheets as advanced photocatalysts for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10999-11005.	10.3	80
5	A multi-walled carbon nanotubes-poly(L-lysine) modified enantioselective immunosensor for ofloxacin by using multi-enzyme-labeled gold nanoflower as signal enhancer. <i>Biosensors and Bioelectronics</i> , 2015, 73, 85-92.	10.1	78
6	In-situ assembly of biocompatible core-shell hierarchical nanostructures sensitized immunosensor for microcystin-LR detection. <i>Biosensors and Bioelectronics</i> , 2016, 78, 381-389.	10.1	75
7	Metal-free carbon nanotube-SiC nanowire heterostructures with enhanced photocatalytic H ₂ evolution under visible light irradiation. <i>Catalysis Science and Technology</i> , 2015, 5, 2798-2806.	4.1	74
8	Growth-Dissolution-Regrowth Transitions of Fe ₃ O ₄ Nanoparticles as Building Blocks for 3D Magnetic Nanoparticle Clusters under Hydrothermal Conditions. <i>Langmuir</i> , 2013, 29, 15433-15441.	3.5	73
9	Broad-specificity photoelectrochemical immunoassay for the simultaneous detection of ochratoxin A, ochratoxin B and ochratoxin C. <i>Biosensors and Bioelectronics</i> , 2018, 106, 219-226.	10.1	64
10	Electrochemical Sensor for Tryptophan Determination Based on Copper-cobalt Hexacyanoferrate Film Modified Graphite Electrode. <i>Sensors</i> , 2007, 7, 2446-2457.	3.8	58
11	Hierarchically nanostructured MoS ₂ with rich in-plane edges as a high-performance electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14577-14585.	10.3	58
12	Rational Construction of Strongly Coupled Metal-Metal Oxide-Graphene Nanostructure with Excellent Electrocatalytic Activity and Durability. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10258-10264.	8.0	57
13	Self-assembled nanomaterials based on aggregation-induced emission of AuNCs: Fluorescence and colorimetric dual-mode biosensing of organophosphorus pesticides. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128481.	7.8	52
14	Colorimetric detection of nucleic acid sequences in plant pathogens based on CRISPR/Cas9 triggered signal amplification. <i>Mikrochimica Acta</i> , 2019, 186, 243.	5.0	50
15	Multiple amplified enzyme-free electrochemical immunosensor based on G-quadruplex/hemin functionalized mesoporous silica with redox-active intercalators for microcystin-LR detection. <i>Biosensors and Bioelectronics</i> , 2017, 98, 126-133.	10.1	49
16	Ultradispersed and Single-Layered MoS ₂ Nanoflakes Strongly Coupled with Graphene: An Optimized Structure with High Kinetics for the Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39380-39390.	8.0	46
17	Sensitive electrochemical immunoassay for chlorpyrifos by using flake-like Fe ₃ O ₄ modified carbon nanotubes as the enhanced multienzyme label. <i>Analytica Chimica Acta</i> , 2015, 899, 91-99.	5.4	44
18	Polydopamine as a bridge to decorate monodisperse gold nanoparticles on Fe ₃ O ₄ nanoclusters for the catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2017, 7, 45545-45551.	3.6	43

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19	Construction of CdS/B-TiO ₂ nanorods photoelectrochemical immunosensor for the detection of microcystin-LR using SiO ₂ @G-quadruplex as multi-amplifier. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 727-735.	7.8	42
20	Point-of-need detection of microcystin-LR using a smartphone-controlled electrochemical analyzer. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 132-140.	7.8	40
21	Template-assisted Cu ₂ O@Fe(OH) ₃ yolk-shell nanocages as biomimetic peroxidase: A multi-colorimetry and ratiometric fluorescence separated-type immunosensor for the detection of ochratoxin A. <i>Journal of Hazardous Materials</i> , 2021, 411, 125090.	12.4	40
22	Laccase @ methacryloyl functionalized magnetic particles: Highly immobilized, reusable, and efficacious for methyl red decolourization. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 144-152.	7.5	39
23	Multifunctional Peroxidase-Encapsulated Nanoliposomes: Bioetching-Induced Photoelectrometric and Colorimetric Immunoassay for Broad-Spectrum Detection of Ochratoxins. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23832-23839.	8.0	38
24	A colorimetric immunoassay based on cobalt hydroxide nanocages as oxidase mimics for detection of ochratoxin A. <i>Analytica Chimica Acta</i> , 2020, 1132, 101-109.	5.4	37
25	A dual-signal readout enzyme-free immunosensor based on hybridization chain reaction-assisted formation of copper nanoparticles for the detection of microcystin-LR. <i>Biosensors and Bioelectronics</i> , 2019, 126, 151-159.	10.1	35
26	Visible light photoelectrochemical sulfide sensor based the use of TiO ₂ nanotube arrays loaded with Cu ₂ O. <i>Mikrochimica Acta</i> , 2017, 184, 4065-4072.	5.0	34
27	A photoelectrochemical/colorimetric immunosensor for broad-spectrum detection of ochratoxins using bifunctional copper oxide nanoflowers. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129380.	7.8	34
28	A novel visible-light driven photoelectrochemical immunosensor based on multi-amplification strategy for ultrasensitive detection of microcystin-LR. <i>Analytica Chimica Acta</i> , 2017, 994, 82-91.	5.4	33
29	“Dual-Signal-On” Integrated-Type Biosensor for Portable Detection of miRNA: Cas12a-Induced Photoelectrochemistry and Fluorescence Strategy. <i>Analytical Chemistry</i> , 2021, 93, 11816-11825.	6.5	33
30	Double-integrated mimic enzymes for the visual screening of Microcystin-LR: Copper hydroxide nanozyme and G-quadruplex/hemin DNAzyme. <i>Analytica Chimica Acta</i> , 2019, 1054, 128-136.	5.4	32
31	A facile layer-by-layer fabrication of three dimensional MoS ₂ -rGO-CNTs with high performance for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 300, 235-241.	5.2	30
32	Portable Dual-Modular Immunosensor Constructed from Bimetallic Metal-Organic Framework Heterostructure Grafted with Enzyme-Mimicking Label for Rosiglitazone Detection. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	30
33	Sensitive immunosensor for benzo[a]pyrene detection based on dual amplification strategy of PAMAM dendrimer and amino-modified methylene blue/SiO ₂ core-shell nanoparticles. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3761-3767.	10.1	29
34	Dual-function of ZnS/Ag ₂ S nanocages in ratiometric immunosensors for the discriminant analysis of ochratoxins: Photoelectrochemistry and electrochemistry. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128066.	7.8	27
35	A rolling circle amplification signal-enhanced immunosensor for ultrasensitive microcystin-LR detection based on a magnetic graphene-functionalized electrode. <i>RSC Advances</i> , 2017, 7, 39906-39913.	3.6	26
36	Ultrasensitive photoelectrochemical detection of microcystin-LR based on hybridization chain reaction assisted exciton-plasmon interaction and enzymatic biocatalytic precipitation. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 180-188.	7.8	26

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37	Multiplex optical bioassays for food safety analysis: Toward on-site detection. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 1627-1656.	11.7	25
38	A dendritic nanosilica-functionalized electrochemical immunosensor with sensitive enhancement for the rapid screening of benzo[a]pyrene. <i>Electrochimica Acta</i> , 2011, 56, 1988-1994.	5.2	22
39	Construction of portable electrochemical immunosensors based on graphene hydrogel@polydopamine for microcystin-LR detection using multi-mesoporous carbon sphere-enzyme labels. <i>RSC Advances</i> , 2016, 6, 51662-51669.	3.6	22
40	P-doped 3D graphene network supporting uniformly vertical MoS ₂ nanosheets for enhanced hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4043-4053.	7.1	22
41	Composite Films of CdS Nanoparticles, MoS ₂ Nanoflakes, Reduced Graphene Oxide, and Carbon Nanotubes for Ratiometric and Modular Immunosensing-Based Detection of Toxins in Cereals. <i>ACS Applied Nano Materials</i> , 2020, 3, 2822-2829.	5.0	21
42	Facile synthesis of Mn-doped MoS ₂ nanosheets on carbon nanotubes as efficient electrocatalyst for hydrogen evolution reaction. <i>Nanotechnology</i> , 2020, 31, 205403.	2.6	21
43	A multi-colorimetric immunosensor for visual detection of ochratoxin A by mimetic enzyme etching of gold nanopyramids. <i>Mikrochimica Acta</i> , 2021, 188, 62.	5.0	20
44	<i>In-situ</i> synthesis of monodispersed Au nanoparticles on eggshell membrane by the extract of <i>Lagerstroemia speciosa</i> leaves for the catalytic reduction of 4-nitrophenol. <i>Materials Research Express</i> , 2019, 6, 015002.	1.6	17
45	<i>In-situ</i> synthesis of hollow Co@MoS ₂ nanocomposites on the carbon nanowire arrays/carbon cloth as high-performance catalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28361-28371.	7.1	17
46	Molecular AND logic gate for multiple single-nucleotide mutations detection based on CRISPR/Cas9n system-triggered signal amplification. <i>Analytica Chimica Acta</i> , 2020, 1112, 46-53.	5.4	16
47	Magnet-actuated droplet microfluidic immunosensor coupled with gel imager for detection of microcystin-LR in aquatic products. <i>Talanta</i> , 2020, 219, 121329.	5.5	14
48	Open Surface Droplet Microfluidic Magnetosensor for Microcystin-LR Monitoring in Reservoir. <i>Analytical Chemistry</i> , 2020, 92, 3409-3416.	6.5	14
49	Machine learning: Assisted multivariate detection and visual image matching to build broad-specificity immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129872.	7.8	12
50	Handheld Platform for Sensitive Rosiglitazone Detection: Immunosensor Based on a Time-Based Readout Device. <i>Analytical Chemistry</i> , 2022, 94, 4294-4302.	6.5	12
51	Electroplated synthesis of semi-rigid MoS ₂ @rGO@Cu as efficient self-supporting electrode for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2020, 355, 136754.	5.2	11
52	Fe ³⁺ -Enhanced NIR-to-NIR upconversion nanocrystals for tumor-targeted trimodal bioimaging. <i>New Journal of Chemistry</i> , 2018, 42, 17073-17082.	2.8	9
53	Development of a highly sensitive and selective electrochemical immunosensor for controlling of rhodamine B abuse in food samples. <i>Food Control</i> , 2022, 133, 108662.	5.5	9
54	Monoclonal antibody-based homogeneous immunoassay for three banned agonists and molecular modeling insight. <i>Food and Agricultural Immunology</i> , 2017, 28, 1438-1449.	1.4	8

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55	Single-emission dual-enzyme magnetosensor for multiplex immunofluorometric assay of adulterated colorants in chili seasoning. <i>Food Chemistry</i> , 2022, 366, 130594.	8.2	8
56	Self-triggered fluorescent metal-organic framework mimic enzyme for competitive immunoassay of hypoglycemic drug in functional tea. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112527.	5.0	8
57	An ultrasensitive microfluidic chip-based immunoassay for multiplex determination of 11 PDE-5 inhibitors in adulterated health foods. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131450.	7.8	7
58	Photoelectrochemical detection of ultra-trace fluorine ion using TiO ₂ nanorod arrays as a probe. <i>RSC Advances</i> , 2019, 9, 26712-26717.	3.6	5
59	A needle-like cobalt-based bifunctional catalyst supported on carbon materials for effective overall water splitting. <i>Nanotechnology</i> , 2022, 33, 065704.	2.6	5
60	A novel self-aggregated gold nanoparticles based on sensitive immunochromatographic assays for highly detection of opium poppy in herbal teas. <i>Food Chemistry</i> , 2022, 390, 133188.	8.2	0