

# Liqiang Luo

## List of Publications by Year in descending order

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77  
papers

2,784  
citations

147801

31  
h-index

189892

50  
g-index

77  
all docs

77  
docs citations

77  
times ranked

3826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composite-controlled electrospinning of CuSn bimetallic nanoparticles/carbon nanofibers for electrochemical glucose sensor. <i>Applied Surface Science</i> , 2022, 573, 151528.	6.1	38
2	Controlled synthesis of Cu-Sn alloy nanosheet arrays on carbon fiber paper for self-supported nonenzymatic glucose sensing. <i>Analytica Chimica Acta</i> , 2022, 1190, 339249.	5.4	27
3	Silver Nanocatalyst Based Clock Reaction for Multi-mode Detection of Tetracycline Antibiotics. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
4	Silver ions involved fluorescence "on-off" responses of gold nanoclusters system for determination of carbendazim residues in fruit samples. <i>Food Chemistry</i> , 2022, 386, 132836.	8.2	12
5	Modular Introduction of Binding Sites in a Macrocyclic Cavity towards Selective Recognition of Neutral Azacycles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
6	Modular Introduction of Binding Sites in a Macrocyclic Cavity towards Selective Recognition of Neutral Azacycles. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
7	An ultrasensitive immunosensor based on cellulose nanofibrils/polydopamine/Cu-Ag nanocomposite for the detection of AFP. <i>Bioelectrochemistry</i> , 2022, 147, 108200.	4.6	10
8	Hetero-structured MnO-Mn <sub>3</sub> O <sub>4</sub> @rGO composites: Synthesis and nonenzymatic detection of H <sub>2</sub> O <sub>2</sub> . <i>Materials Science and Engineering C</i> , 2021, 118, 111443.	7.3	30
9	Green fabrication of Cu/rGO decorated SWCNT buckypaper as a flexible electrode for glucose detection. <i>Materials Science and Engineering C</i> , 2021, 120, 111757.	7.3	23
10	Anchoring zinc-doped carbon dots on a paper-based chip for highly sensitive fluorescence detection of copper ions. <i>Analyst</i> , 2021, 146, 6297-6305.	3.5	11
11	Gold nanorods assisted silver mirror reaction for consecutive color change based on-site visual semi-quantification of indoor formaldehyde. <i>Atmospheric Environment</i> , 2021, 246, 118101.	4.1	2
12	A Two-step Electrodeposition of Pd-Cu/Cu <sub>2</sub> O Nanocomposite on FTO Substrate for Non-enzymatic Hydrogen Peroxide Sensor. <i>Current Analytical Chemistry</i> , 2021, 17, 1373-1381.	1.2	6
13	A sensitive amperometric immunosensor for the detection of carcinoembryonic antigen using ZnMn <sub>2</sub> O <sub>4</sub> @reduced graphene oxide composites as signal amplifier. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129852.	7.8	20
14	Absorption, distribution, metabolism, and excretion of [ <sup>14</sup> C]NBP (3-n-butylphthalide) in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1181, 122915.	2.3	13
15	NiO-Coated CuCo <sub>2</sub> O <sub>4</sub> Nanoneedle Arrays on Carbon Cloth for Non-enzymatic Glucose Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 9821-9830.	5.0	24
16	Boronate affinity directing adenosine imprinted nanomagnetic polyhedral oligomeric silsesquioxanes for selective extraction of nucleosides in urine sample. <i>Microchemical Journal</i> , 2021, 169, 106575.	4.5	10
17	Cu-Pd Alloy Nanoparticles on Carbon Paper as a Self-Supporting Electrode for Glucose Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 14077-14085.	5.0	10
18	Facile Synthesis of ZnMn <sub>2</sub> O <sub>4</sub> @rGO Microspheres for Ultrasensitive Electrochemical Detection of Hydrogen Peroxide from Human Breast Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 3430-3437.	8.0	83

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19	Well-aligned Cu@C nanocubes for highly efficient nonenzymatic glucose detection in human serum. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127473.	7.8	42
20	A multicolor colorimetric assay for sensitive detection of sulfide ions based on anti-etching of triangular gold nanoplates. <i>Microchemical Journal</i> , 2020, 159, 105429.	4.5	10
21	Electroless deposition of silver nanoparticles on cellulose nanofibrils for electromagnetic interference shielding films. <i>Carbohydrate Polymers</i> , 2020, 250, 116915.	10.2	50
22	Sequential colorimetric sensing of cupric and mercuric ions by regulating the etching process of triangular gold nanoplates. <i>Mikrochimica Acta</i> , 2020, 187, 205.	5.0	9
23	Glucose sensor based on Pd nanosheets deposited on Cu/Cu <sub>2</sub> O nanocomposites by galvanic replacement. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110797.	5.0	43
24	A Novel Electrochemical Sensor Based on Au-rGO Nanocomposite Decorated with Poly(L-cysteine) for Determination of Paracetamol. <i>Current Analytical Chemistry</i> , 2020, 16, 1063-1070.	1.2	4
25	Precisely Tuning the Contrast Properties of Zn <sub>x</sub> Fe <sub>3-3x</sub> O <sub>4</sub> Nanoparticles in Magnetic Resonance Imaging by Controlling Their Doping Content and Size. <i>Chemistry of Materials</i> , 2019, 31, 7255-7264.	6.7	25
26	The strategy of antibody-free biomarker analysis by in-situ synthesized molecularly imprinted polymers on movable valve paper-based device. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111533.	10.1	120
27	A novel hydrogen peroxide sensor based on electrodeposited copper/cuprous oxide nanocomposites. <i>Analyst</i> , 2019, 144, 685-690.	3.5	23
28	Sensitive and Selective Determination of Cu <sup>2+</sup> Using Self-Assembly of 4-Mercaptobenzoic Acid on Gold Nanoparticles. <i>Journal of Analysis and Testing</i> , 2019, 3, 306-312.	5.1	6
29	Silver nanoparticles exert concentration-dependent influences on biofilm development and architecture. <i>Cell Proliferation</i> , 2019, 52, e12616.	5.3	34
30	Facile Fabrication of NiO-Decorated Double-Layer Single-Walled Carbon Nanotube Buckypaper for Glucose Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10856-10861.	8.0	65
31	An investigation of template anchoring strategy for molecularly imprinting materials based on nanomagnetic polyhedral oligomeric silsesquioxanes composites. <i>Journal of Chromatography A</i> , 2019, 1597, 28-38.	3.7	14
32	A novel non-enzymatic H <sub>2</sub> O <sub>2</sub> sensor using ZnMn <sub>2</sub> O <sub>4</sub> microspheres modified glassy carbon electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 293-298.	5.0	31
33	4-mercaptobenzoic acid modified silver nanoparticles-enhanced electrochemical sensor for highly sensitive detection of Cu <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 164-169.	7.8	55
34	Applications of magnetic materials separation in biological nanomedicine. <i>Electrophoresis</i> , 2019, 40, 2011-2028.	2.4	35
35	Controllable synthesis and enhanced photocatalytic activity of BaTiO <sub>3</sub> nanospheres. <i>Micro and Nano Letters</i> , 2019, 14, 740-743.	1.3	9
36	Nanomagnetic polyhedral oligomeric silsesquioxanes composite derived sulfur-containing adsorbents for effective elimination of hexavalent chromium and organic cationic dyes from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 550, 1-8.	4.7	24

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37	Hydrogel-embedded tight ultrafiltration membrane with superior anti-dye-fouling property for low-pressure driven molecule separation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2927-2934.	10.3	80
38	Effective immobilization of Au nanoparticles on TiO <sub>2</sub> loaded graphene for a novel sandwich-type immunosensor. <i>Biosensors and Bioelectronics</i> , 2018, 102, 301-306.	10.1	67
39	Au Nanoparticles Loaded on Hollow TiO <sub>2</sub> Microspheres with (001) Exposed Facets: a Strategy for Promoting Photocatalytic Performance. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 705-710.	2.6	6
40	Graphene oxide-silver nanocomposites modulate biofilm formation and extracellular polymeric substance (EPS) production. <i>Nanoscale</i> , 2018, 10, 19603-19611.	5.6	41
41	Facile synthesis of TiO <sub>2</sub> hollow spheres via aerosol-assisted spray drying for photocatalysis. <i>Micro and Nano Letters</i> , 2018, 13, 907-910.	1.3	6
42	Microsphere-Fiber Interpenetrated Superhydrophobic PVDF Microporous Membranes with Improved Waterproof and Breathable Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28210-28218.	8.0	65
43	Cu(II) triggering redox-regulated anti-aggregation of gold nanoparticles for ultrasensitive visual sensing of iodide. <i>Analytica Chimica Acta</i> , 2018, 1036, 147-152.	5.4	9
44	Electrospun bimetallic Au-Ag/Co <sub>3</sub> O <sub>4</sub> nanofibers for sensitive detection of hydrogen peroxide released from human cancer cells. <i>Analytica Chimica Acta</i> , 2018, 1042, 20-28.	5.4	50
45	Rotational Paper-Based Microfluidic-Chip Device for Multiplexed and Simultaneous Fluorescence Detection of Phenolic Pollutants Based on a Molecular-Imprinting Technique. <i>Analytical Chemistry</i> , 2018, 90, 11827-11834.	6.5	140
46	Gadolinium(III)-based Polymeric Magnetic Resonance Imaging Agents for Tumor Imaging. <i>Current Medicinal Chemistry</i> , 2018, 25, 2910-2937.	2.4	7
47	Facile synthesis of novel Roe-like TiO <sub>2</sub> hollow nanospheres with mesoporous cavity for improved photocatalytic activity. <i>Functional Materials Letters</i> , 2017, 10, 1750028.	1.2	13
48	PEGylated chitosan grafted with polyamidoamine-dendron as tumor-targeted magnetic resonance imaging contrast agent. <i>New Journal of Chemistry</i> , 2017, 41, 7689-7696.	2.8	8
49	Functional Hyperbranched Polylysine as Potential Contrast Agent Probes for Magnetic Resonance Imaging. <i>Biomacromolecules</i> , 2016, 17, 2302-2308.	5.4	25
50	A label-free electrochemical aptasensor based on graphene oxide/double-stranded DNA nanocomposite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 160-166.	5.0	14
51	Facile synthesis of a boronate affinity sorbent from mesoporous nanomagnetic polyhedral oligomeric silsesquioxanes composite and its application for enrichment of catecholamines in human urine. <i>Analytica Chimica Acta</i> , 2016, 944, 1-13.	5.4	36
52	Nanoscale zero-valent iron incorporated with nanomagnetic diatomite for catalytic degradation of methylene blue in heterogeneous Fenton system. <i>Water Science and Technology</i> , 2016, 73, 2815-2823.	2.5	6
53	High performance Cu/Cu <sub>2</sub> O nanohybrid electrocatalyst for nonenzymatic glucose detection. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4652-4656.	5.8	54
54	Photo-reduction assisted synthesis of MnO <sub>2</sub> /reduced graphene oxide/P25 for electrochemical detection of hydrogen peroxide. <i>RSC Advances</i> , 2016, 6, 2632-2640.	3.6	15

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55	Nitidine chloride-assisted bio-functionalization of reduced graphene oxide by bovine serum albumin for impedimetric immunosensing. <i>Biosensors and Bioelectronics</i> , 2016, 79, 536-542.	10.1	34
56	Solution-Processed MoO <sub>3</sub> :PEDOT:PSS Hybrid Hole Transporting Layer for Inverted Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7170-7179.	8.0	83
57	Sensitive electrochemical detection of glucose based on electrospun La <sub>0.88</sub> Sr <sub>0.12</sub> MnO <sub>3</sub> nanofibers modified electrode. <i>Analytical Biochemistry</i> , 2015, 489, 38-43.	2.4	16
58	Electrospun graphene decorated MnCo <sub>2</sub> O <sub>4</sub> composite nanofibers for glucose biosensing. <i>Biosensors and Bioelectronics</i> , 2015, 66, 308-315.	10.1	94
59	Studying Effect of Typical Nonplanar Cyclic Alcohols (n = 5-7) on Micellization of Sodium Dodecyl Sulfate (SDS) in Aqueous Solution and Locating Their Solubilization Site in SDS Micelles. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 391-396.	1.4	1
60	Tryptamine functionalized reduced graphene oxide for label-free DNA impedimetric biosensing. <i>Biosensors and Bioelectronics</i> , 2014, 60, 161-166.	10.1	31
61	Determination of zinc in acacia honey by square wave stripping voltammetry with a bismuth-film-modified montmorillonite doped carbon paste electrode. <i>Monatshefte für Chemie</i> , 2014, 145, 161-166.	1.8	8
62	Highly sensitive determination of methotrexate at poly (L-lysine) modified electrode in the presence of sodium dodecyl benzene sulfonate. <i>Bioelectrochemistry</i> , 2014, 98, 70-75.	4.6	47
63	Synthesis of MnCo <sub>2</sub> O <sub>4</sub> nanofibers by electrospinning and calcination: application for a highly sensitive non-enzymatic glucose sensor. <i>Journal of Materials Chemistry B</i> , 2014, 2, 529-535.	5.8	93
64	Electrochemical oxidation and determination of antiretroviral drug nevirapine based on uracil-modified carbon paste electrode. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 263-269.	2.9	22
65	Enzyme mimics of spinel-type Co <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> magnetic nanomaterial for electrocatalytic oxidation of hydrogen peroxide. <i>Analytica Chimica Acta</i> , 2013, 788, 46-51.	5.4	26
66	A glassy carbon electrode modified with poly(eriochrome black T) for sensitive determination of adenine and guanine. <i>Mikrochimica Acta</i> , 2013, 180, 887-893.	5.0	36
67	Highly sensitive determination of epinephrine by a MnO <sub>2</sub> /Nafion modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2012, 665, 1-5.	3.8	32
68	Nonenzymatic amperometric determination of glucose by CuO nanocubes/graphene nanocomposite modified electrode. <i>Bioelectrochemistry</i> , 2012, 88, 156-163.	4.6	205
69	LaNi <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> -based sensor for sensitive determination of paracetamol. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1635-1642.	2.5	34
70	Non-enzymatic hydrogen peroxide sensor based on MnO <sub>2</sub> -ordered mesoporous carbon composite modified electrode. <i>Electrochimica Acta</i> , 2012, 77, 179-183.	5.2	81
71	DNA electrochemical biosensor based on thionine-graphene nanocomposite. <i>Biosensors and Bioelectronics</i> , 2012, 35, 507-511.	10.1	147
72	Amperometric glucose biosensor based on NiFe <sub>2</sub> O <sub>4</sub> nanoparticles and chitosan. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 293-298.	7.8	98

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73	Simultaneous determination of uric acid and ascorbic acid at the film of chitosan incorporating cetylpyridine bromide modified glassy carbon electrode. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 829-834.	2.5	24
74	A highly sensitive method for determination of paracetamol by adsorptive stripping voltammetry using a carbon paste electrode modified with nanogold and glutamic acid. <i>Mikrochimica Acta</i> , 2010, 171, 133-138.	5.0	38
75	Electrochemical determination of nitrite in water samples using a glassy carbon electrode modified with didodecyldimethylammonium bromide. <i>Mikrochimica Acta</i> , 2009, 167, 123-128.	5.0	28
76	Simultaneous determination of dopamine and uric acid on nafion/sodium dodecylbenzenesulfonate composite film modified glassy carbon electrode. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1603-1608.	2.9	14
77	Chitosan Incorporating Cetyltrimethylammonium Bromide Modified Glassy Carbon Electrode for Simultaneous Determination of Ascorbic Acid and Dopamine. <i>Electroanalysis</i> , 2007, 19, 1840-1844.	2.9	23