Liqiang Luo

List of Publications by Year
in descending order

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77	2,784	147801	189892
papers	citations	31 h-index	50 g-index

77	77	77	3826
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonenzymatic amperometric determination of glucose by CuO nanocubesâ€“graphene nanocomposite modified electrode. Bioelectrochemistry, 2012, 88, 156-163.	4.6	205
2	DNA electrochemical biosensor based on thionine-graphene nanocomposite. Biosensors and Bioelectronics, 2012, 35, 507-511.	10.1	147
3	Rotational Paper-Based Microfluidic-Chip Device for Multiplexed and Simultaneous Fluorescence Detection of Phenolic Pollutants Based on a Molecular-Imprinting Technique. Analytical Chemistry, 2018, 90, 11827-11834.	6.5	140
4	The strategy of antibody-free biomarker analysis by in-situ synthesized molecularly imprinted polymers on movable valve paper-based device. Biosensors and Bioelectronics, 2019, 142, 111533.	10.1	120
5	Amperometric glucose biosensor based on NiFe2O4 nanoparticles and chitosan. Sensors and Actuators B: Chemical, 2010, 145, 293-298.	7.8	98
6	Electrospun graphene decorated MnCo2O4 composite nanofibers for glucose biosensing. Biosensors and Bioelectronics, 2015, 66, 308-315.	10.1	94
7	Synthesis of MnCo₂O₄nanofibers by electrospinning and calcination: application for a highly sensitive non-enzymatic glucose sensor. Journal of Materials Chemistry B, 2014, 2, 529-535.	5.8	93
8	Solution-Processed MoO₃:PEDOT:PSS Hybrid Hole Transporting Layer for Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 7170-7179.	8.0	83
9	Facile Synthesis of ZnMn₂O₄@rGO Microspheres for Ultrasensitive Electrochemical Detection of Hydrogen Peroxide from Human Breast Cancer Cells. ACS Applied Materials & Interfaces, 2020, 12, 3430-3437.	8.0	83
10	Non-enzymatic hydrogen peroxide sensor based on MnO2-ordered mesoporous carbon composite modified electrode. Electrochimica Acta, 2012, 77, 179-183.	5.2	81
11	Hydrogel-embedded tight ultrafiltration membrane with superior anti-dye-fouling property for low-pressure driven molecule separation. Journal of Materials Chemistry A, 2018, 6, 2927-2934.	10.3	80
12	Effective immobilization of Au nanoparticles on TiO2 loaded graphene for a novel sandwich-type immunosensor. Biosensors and Bioelectronics, 2018, 102, 301-306.	10.1	67
13	Microsphere-Fiber Interpenetrated Superhydrophobic PVDF Microporous Membranes with Improved Waterproof and Breathable Performance. ACS Applied Materials & Interfaces, 2018, 10, 28210-28218.	8.0	65
14	Facile Fabrication of NiO-Decorated Double-Layer Single-Walled Carbon Nanotube Buckypaper for Glucose Detection. ACS Applied Materials & Interfaces, 2019, 11, 10856-10861.	8.0	65
15	4-mercaptobenzoic acid modified silver nanoparticles-enhanced electrochemical sensor for highly sensitive detection of Cu2+. Sensors and Actuators B: Chemical, 2019, 291, 164-169.	7.8	55
16	High performance Cu/Cu₂O nanohybrid electrocatalyst for nonenzymatic glucose detection. Journal of Materials Chemistry B, 2016, 4, 4652-4656.	5.8	54
17	Electrospun bimetallic Au-Ag/Co3O4 nanofibers for sensitive detection of hydrogen peroxide released from human cancer cells. Analytica Chimica Acta, 2018, 1042, 20-28.	5.4	50
18	Electroless deposition of silver nanoparticles on cellulose nanofibrils for electromagnetic interference shielding films. Carbohydrate Polymers, 2020, 250, 116915.	10.2	50

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19	Highly sensitive determination of methotrexate at poly (l-lysine) modified electrode in the presence of sodium dodecyl benzene sulfonate. Bioelectrochemistry, 2014, 98, 70-75.	4.6	47
20	Glucose sensor based on Pd nanosheets deposited on Cu/Cu2O nanocomposites by galvanic replacement. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110797.	5.0	43
21	Well-aligned Cu@C nanocubes for highly efficient nonenzymatic glucose detection in human serum. Sensors and Actuators B: Chemical, 2020, 305, 127473.	7.8	42
22	Graphene oxideâ€“silver nanocomposites modulate biofilm formation and extracellular polymeric substance (EPS) production. Nanoscale, 2018, 10, 19603-19611.	5.6	41
23	A highly sensitive method for determination of paracetamol by adsorptive stripping voltammetry using a carbon paste electrode modified with nanogold and glutamic acid. Mikrochimica Acta, 2010, 171, 133-138.	5.0	38
24	Composite-controlled electrospinning of CuSn bimetallic nanoparticles/carbon nanofibers for electrochemical glucose sensor. Applied Surface Science, 2022, 573, 151528.	6.1	38
25	A glassy carbon electrode modified with poly(eriochrome black T) for sensitive determination of adenine and guanine. Mikrochimica Acta, 2013, 180, 887-893.	5.0	36
26	Facile synthesis of a boronate affinity sorbent from mesoporous nanomagnetic polyhedral oligomeric silsesquioxanes composite and its application for enrichment of catecholamines in human urine. Analytica Chimica Acta, 2016, 944, 1-13.	5.4	36
27	Applications of magnetic materials separation in biological nanomedicine. Electrophoresis, 2019, 40, 2011-2028.	2.4	35
28	LaNi0.5Ti0.5O3/CoFe2O4-based sensor for sensitive determination of paracetamol. Journal of Solid State Electrochemistry, 2012, 16, 1635-1642.	2.5	34
29	Nitidine chloride-assisted bio-functionalization of reduced graphene oxide by bovine serum albumin for impedimetric immunosensing. Biosensors and Bioelectronics, 2016, 79, 536-542.	10.1	34
30	Silver nanoparticles exert concentrationâ€dependent influences on biofilm development and architecture. Cell Proliferation, 2019, 52, e12616.	5.3	34
31	Highly sensitive determination of epinephrine by a MnO2/Nafion modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2012, 665, 1-5.	3.8	32
32	Tryptamine functionalized reduced graphene oxide for label-free DNA impedimetric biosensing. Biosensors and Bioelectronics, 2014, 60, 161-166.	10.1	31
33	A novel non-enzymatic H2O2 sensor using ZnMn2O4 microspheres modified glassy carbon electrode. Colloids and Surfaces B: Biointerfaces, 2019, 179, 293-298.	5.0	31
34	Hetero-structured MnO-Mn3O4@rGO composites: Synthesis and nonenzymatic detection of H2O2. Materials Science and Engineering C, 2021, 118, 111443.	7.3	30
35	Electrochemical determination of nitrite in water samples using a glassy carbon electrode modified with didodecyldimethylammonium bromide. Mikrochimica Acta, 2009, 167, 123-128.	5.0	28
36	Controlled synthesis of Cu-Sn alloy nanosheet arrays on carbon fiber paper for self-supported nonenzymatic glucose sensing. Analytica Chimica Acta, 2022, 1190, 339249.	5.4	27

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37	Enzyme mimics of spinel-type CoxNi1â^'xFe2O4 magnetic nanomaterial for eletroctrocatalytic oxidation of hydrogen peroxide. Analytica Chimica Acta, 2013, 788, 46-51.	5.4	26
38	Functional Hyperbranched Polylysine as Potential Contrast Agent Probes for Magnetic Resonance Imaging. Biomacromolecules, 2016, 17, 2302-2308.	5.4	25
39	Precisely Tuning the Contrast Properties of Zn_xFe_{3â€“x}O₄ Nanoparticles in Magnetic Resonance Imaging by Controlling Their Doping Content and Size. Chemistry of Materials, 2019, 31, 7255-7264.	6.7	25
40	Simultaneous determination of uric acid and ascorbic acid at the film of chitosan incorporating cetylpyridine bromide modified glassy carbon electrode. Journal of Solid State Electrochemistry, 2010, 14, 829-834.	2.5	24
41	Nanomagnetic polyhedral oligomeric silsesquioxanes composite derived sulfur-containing adsorbents for effective elimination of hexavalent chromium and organic cationic dyes from water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 550, 1-8.	4.7	24
42	NiO-Coated CuCo₂O₄ Nanoneedle Arrays on Carbon Cloth for Non-enzymatic Glucose Sensing. ACS Applied Nano Materials, 2021, 4, 9821-9830.	5.0	24
43	Chitosan Incorporating Cetyltrimethylammonium Bromide Modified Glassy Carbon Electrode for Simultaneous Determination of Ascorbic Acid and Dopamine. Electroanalysis, 2007, 19, 1840-1844.	2.9	23
44	A novel hydrogen peroxide sensor based on electrodeposited copper/cuprous oxide nanocomposites. Analyst, The, 2019, 144, 685-690.	3.5	23
45	Green fabrication of Cu/rGO decorated SWCNT buckypaper as a flexible electrode for glucose detection. Materials Science and Engineering C, 2021, 120, 111757.	7.3	23
46	Electrochemical oxidation and determination of antiretroviral drug nevirapine based on uracil-modified carbon paste electrode. Journal of Applied Electrochemistry, 2013, 43, 263-269.	2.9	22
47	A sensitive amperometric immunosensor for the detection of carcinoembryonic antigen using ZnMn2O4@reduced graphene oxide composites as signal amplifier. Sensors and Actuators B: Chemical, 2021, 339, 129852.	7.8	20
48	Sensitive electrochemical detection of glucose based on electrospun La0.88Sr0.12MnO3 naonofibers modified electrode. Analytical Biochemistry, 2015, 489, 38-43.	2.4	16
49	Photo-reduction assisted synthesis of MnO₂/reduced graphene oxide/P25 for electrochemical detection of hydrogen peroxide. RSC Advances, 2016, 6, 2632-2640.	3.6	15
50	Simultaneous determination of dopamine and uric acid on nafion/sodium dodecylbenzenesulfonate composite film modified glassy carbon electrode. Journal of Applied Electrochemistry, 2009, 39, 1603-1608.	2.9	14
51	A label-free electrochemical aptasensor based on graphene oxide/double-stranded DNA nanocomposite. Colloids and Surfaces B: Biointerfaces, 2016, 145, 160-166.	5.0	14
52	An investigation of template anchoring strategy for molecularly imprinting materials based on nanomagnetic polyhedral oligomeric silsesquioxanes composites. Journal of Chromatography A, 2019, 1597, 28-38.	3.7	14
53	Facile synthesis of novel Roe-like TiO₂ hollow nanospheres with mesoporous cavity for improved photocatalytic activity. Functional Materials Letters, 2017, 10, 1750028.	1.2	13
54	Absorption, distribution, metabolism, and excretion of [14C]NBP (3-n-butylphthalide) in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1181, 122915.	2.3	13

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55	Silver ions involved fluorescence â€œonâ€“offâ€•responses of gold nanoclusters system for determination of carbendazim residues in fruit samples. Food Chemistry, 2022, 386, 132836.	8.2	12
56	Anchoring zinc-doped carbon dots on a paper-based chip for highly sensitive fluorescence detection of copper ions. Analyst, The, 2021, 146, 6297-6305.	3.5	11
57	A multicolor colorimetric assay for sensitive detection of sulfide ions based on anti-etching of triangular gold nanoplates. Microchemical Journal, 2020, 159, 105429.	4.5	10
58	Boronate affinity directing adenosine imprinted nanomagnetic polyhedral oligomeric silsesquioxanes for selective extraction of nucleosides in urine sample. Microchemical Journal, 2021, 169, 106575.	4.5	10
59	Cuâ€“Pd Alloy Nanoparticles on Carbon Paper as a Self-Supporting Electrode for Glucose Sensing. ACS Applied Nano Materials, 2021, 4, 14077-14085.	5.0	10
60	An ultrasensitive immunosensor based on cellulose nanofibrils/polydopamine/Cu-Ag nanocomposite for the detection of AFP. Bioelectrochemistry, 2022, 147, 108200.	4.6	10
61	Cu(â…¡) triggering redox-regulated anti-aggregation of gold nanoparticles for ultrasensitive visual sensing of iodide. Analytica Chimica Acta, 2018, 1036, 147-152.	5.4	9
62	Sequential colorimetric sensing of cupric and mercuric ions by regulating the etching process of triangular gold nanoplates. Mikrochimica Acta, 2020, 187, 205.	5.0	9
63	Controllable synthesis and enhanced photocatalytic activity of Bâ€TiO ₂ nanospheres. Micro and Nano Letters, 2019, 14, 740-743.	1.3	9
64	Determination of zinc in acacia honey by square wave stripping voltammetry with a bismuth-film-modified montmorillonite doped carbon paste electrode. Monatshefte FÃ¼r Chemie, 2014, 145, 161-166.	1.8	8
65	PEGylated chitosan grafted with polyamidoamine-dendron as tumor-targeted magnetic resonance imaging contrast agent. New Journal of Chemistry, 2017, 41, 7689-7696.	2.8	8
66	Modular Introduction of endoâ€Binding Sites in a Macrocyclic Cavity towards Selective Recognition of Neutral Azacycles. Angewandte Chemie - International Edition, 2022, 61, .	13.8	8
67	Gadolinium(III)-based Polymeric Magnetic Resonance Imaging Agents for Tumor Imaging. Current Medicinal Chemistry, 2018, 25, 2910-2937.	2.4	7
68	Nanoscale zero-valent iron incorporated with nanomagnetic diatomite for catalytic degradation of methylene blue in heterogeneous Fenton system. Water Science and Technology, 2016, 73, 2815-2823.	2.5	6
69	Au Nanoparticles Loaded on Hollow TiO2 Microspheres with (001) Exposed Facets: a Strategy for Promoting Photocatalytic Performance. Chemical Research in Chinese Universities, 2018, 34, 705-710.	2.6	6
70	Facile synthesis of TiO ₂ hollow spheres via aerosolâ€assisted spray drying for photocatalysis. Micro and Nano Letters, 2018, 13, 907-910.	1.3	6
71	Sensitive and Selective Determination of Cu2+ Using Self-Assembly of 4-Mercaptobenzoic Acid on Gold Nanoparticles. Journal of Analysis and Testing, 2019, 3, 306-312.	5.1	6
72	A Two-step Electrodeposition of Pd-Cu/Cu2O Nanocomposite on FTO Substrate for Non-enzymatic Hydrogen Peroxide Sensor. Current Analytical Chemistry, 2021, 17, 1373-1381.	1.2	6

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73	A Novel Electrochemical Sensor Based on Au-rGO Nanocomposite Decorated with Poly(L-cysteine) for Determination of Paracetamol. Current Analytical Chemistry, 2020, 16, 1063-1070.	1.2	4
74	Gold nanorods assisted silver mirror reaction for consecutive color change based on-site visual semi-quantification of indoor formaldehyde. Atmospheric Environment, 2021, 246, 118101.	4.1	2
75	Studying Effect of Typical Nonplanar Cyclic Alcohols (n = 5â€7) on Micellization of Sodium Dodecyl Sulfate (SDS) in Aqueous Solution and Locating Their Solubilization Site in SDS Micelles. Journal of the Chinese Chemical Society, 2014, 61, 391-396.	1.4	1
76	Silver Nanocatalyst Based Clock Reaction for Multiâ€mode Detection of Tetracycline Antibiotics. ChemistrySelect, 2022, 7, .	1.5	1
77	Modular Introduction of endoâ€Binding Sites in a Macrocyclic Cavity towards Selective Recognition of Neutral Azacycles. Angewandte Chemie, 2022, 134, .	2.0	0