

Yang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,263
citations

201674

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docs citations

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times ranked

4039
citing authors

#	ARTICLE	IF	CITATIONS
1	Aligned Carbon Nanotube Films for Immobilization of Glucose Oxidase and its Application in Glucose Biosensor. <i>Australian Journal of Chemistry</i> , 2022, 75, 89-93.	0.9	4
2	Gold/Palladium@Polypyrrole/Graphene Nanocomposites for Simultaneous Electrochemical Detection of DNA Bases. <i>ACS Applied Nano Materials</i> , 2022, 5, 1635-1643.	5.0	7
3	Single-Step Synthesis of Nitrogen-Doped Graphene Oxide from Aniline at Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5797-5806.	8.0	19
4	Nanomaterial-Based Label-Free Electrochemical Aptasensors for the Detection of Thrombin. <i>Biosensors</i> , 2022, 12, 253.	4.7	13
5	Membrane-based colorimetric flow-injection system for online free chlorine monitoring in drinking water. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128905.	7.8	10
6	Membrane-Based Portable Colorimetric Gaseous Chlorine Sensing Probe. <i>Analytical Chemistry</i> , 2021, 93, 769-776.	6.5	7
7	A ratiometry-induced successive reusable electrochemical aptasensing platform: Efficient monitoring of aflatoxin B1 in peanut. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129021.	7.8	31
8	Real-time on-site monitoring of soil ammonia emissions using membrane permeation-based sensing probe. <i>Environmental Pollution</i> , 2021, 289, 117850.	7.5	5
9	Novel strategy of electrochemical analysis of DNA bases with enhanced performance based on copper@nickel nanosphere decorated N,B-doped reduced graphene oxide. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111735.	10.1	23
10	Ratiometric electrochemical aptasensor for ultrasensitive detection of Ochratoxin A based on a dual signal amplification strategy: Engineering the binding of methylene blue to DNA. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111814.	10.1	73
11	Sensitivity programmable ratiometric electrochemical aptasensor based on signal engineering for the detection of aflatoxin B1 in peanut. <i>Journal of Hazardous Materials</i> , 2020, 387, 122001.	12.4	84
12	On-off-on detection of Fe ³⁺ and F ⁻ , biological imaging, and its logic gate operation based on excitation-independent blue-fluorescent carbon dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117716.	3.9	29
13	Photoelectrochemical and electrochemical ratiometric aptasensing: A case study of streptomycin. <i>Electrochemistry Communications</i> , 2020, 110, 106637.	4.7	22
14	Recognition and sensitive detection of CTCs using a controllable label-free electrochemical cytosensor. <i>Mikrochimica Acta</i> , 2020, 187, 487.	5.0	10
15	Gold nanoparticles decorated bimetallic CuNi-based hollow nanoarchitecture for the enhancement of electrochemical sensing performance of nitrite. <i>Mikrochimica Acta</i> , 2020, 187, 572.	5.0	14
16	Novel Processing for Color-Tunable Luminescence Carbon Dots and Their Advantages in Biological Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8585-8592.	6.7	49
17	Design of long-wavelength emission carbon dots for hypochlorous detection and cellular imaging. <i>Talanta</i> , 2020, 219, 121170.	5.5	26
18	Recent advances in sensors for electrochemical analysis of nitrate in food and environmental matrices. <i>Analyst</i> , The, 2020, 145, 5400-5413.	3.5	41

#	ARTICLE	IF	CITATIONS
19	Nanomaterials at Interfaces between Immiscible Electrolyte Solutions. Australian Journal of Chemistry, 2020, , .	0.9	1
20	Facile synthesis of iron phthalocyanine functionalized N,Bê“doped reduced graphene oxide nanocomposites and sensitive electrochemical detection for glutathione. Sensors and Actuators B: Chemical, 2019, 297, 126756.	7.8	36
21	Ratiometric electrochemical, electrochemiluminescent, and photoelectrochemical strategies for environmental contaminant detection. Current Opinion in Electrochemistry, 2019, 17, 47-55.	4.8	53
22	Collisional electrochemistry of laser-ablated gold nanoparticles by electrocatalytic oxidation of glucose. Electrochemistry Communications, 2017, 77, 24-27.	4.7	16
23	Electroanalytical Ventures at Nanoscale Interfaces Between Immiscible Liquids. Annual Review of Analytical Chemistry, 2016, 9, 145-161.	5.4	16
24	Electroanalytical Opportunities Derived from Ion Transfer at Interfaces between Immiscible Electrolyte Solutions. Australian Journal of Chemistry, 2016, 69, 1016.	0.9	12
25	Visualization of Diffusion within Nanoarrays. Analytical Chemistry, 2016, 88, 6689-6695.	6.5	20
26	An Electrochemical Sensor Based on Nitrogenê“doped Carbon Nanofiber for Bisphenol A Determination. Electroanalysis, 2016, 28, 439-444.	2.9	36
27	An Electrochemical Sensing Platform Based on Liquidê“Liquid Microinterface Arrays Formed in Laser-Ablated Glass Membranes. Analytical Chemistry, 2016, 88, 2596-2604.	6.5	26
28	Achievement of Diffusional Independence at Nanoscale Liquidê“Liquid Interfaces within Arrays. Analytical Chemistry, 2015, 87, 5486-5490.	6.5	30
29	Ion-Transfer Voltammetric Behavior of Propranolol at Nanoscale Liquidê“Liquid Interface Arrays. Analytical Chemistry, 2015, 87, 4487-4494.	6.5	32
30	A Novel Electrochemiluminescence Immunosensor for the Analysis of HIV-1 p24 Antigen Based on P-RGO@Au@Ru-SiO₂ Composite. ACS Applied Materials & Interfaces, 2015, 7, 24438-24445.	8.0	69
31	Highly sensitive detection of hydrogen peroxide at a carbon nanotube fiber microelectrode coated with palladium nanoparticles. Mikrochimica Acta, 2014, 181, 63-70.	5.0	46
32	Direct Electrochemistry Based Biosensors and Biofuel Cells Enabled with Nanostructured Materials. Electroanalysis, 2013, 25, 815-831.	2.9	41
33	Proteinê“Directed In Situ Synthesis of Gold Nanoparticles on Reduced Graphene Oxide Modified Electrode for Nonenzymatic Glucose Sensing. Electroanalysis, 2012, 24, 2348-2353.	2.9	20
34	In situ synthesis of Pt/carbon nanofiber nanocomposites with enhanced electrocatalytic activity toward methanol oxidation. Journal of Colloid and Interface Science, 2012, 367, 199-203.	9.4	50
35	Simultaneous determination of catechol and hydroquinone using electrospun carbon nanofibers modified electrode. Sensors and Actuators B: Chemical, 2012, 163, 179-185.	7.8	175
36	A nonenzymatic sensor for xanthine based on electrospun carbon nanofibers modified electrode. Talanta, 2011, 83, 1410-1414.	5.5	58

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37	Facile synthesis and electrochemical properties of octahedral gold nanocrystals. <i>Journal of Nanoparticle Research</i> , 2011, 13, 157-163.	1.9	7
38	A novel and simple route to prepare a Pt nanoparticle-loaded carbon nanofiber electrode for hydrogen peroxide sensing. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4585-4590.	10.1	115
39	Enzyme-free ethanol sensor based on electrospun nickel nanoparticle-loaded carbon fiber paste electrode. <i>Analytica Chimica Acta</i> , 2010, 663, 153-157.	5.4	59
40	Highly sensitive composite electrode based on electrospun carbon nanofibers and ionic liquid. <i>Electrochemistry Communications</i> , 2010, 12, 1108-1111.	4.7	41
41	A New Strategy to Pretreat Carbon Nanofiber and Its Application in Determination of Dopamine. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-6.	2.7	2
42	A new shape of gold nanocrystals: singly twinned squashed dodecahedron. <i>CrystEngComm</i> , 2010, 12, 4028.	2.6	15
43	Carbon nanofiber based electrochemical biosensors: A review. <i>Analytical Methods</i> , 2010, 2, 202.	2.7	233
44	Electrochemical determination of oxalic acid using palladium nanoparticle-loaded carbon nanofiber modified electrode. <i>Analytical Methods</i> , 2010, 2, 855.	2.7	62
45	Electrochemical determination of L-Tryptophan, L-Tyrosine and L-Cysteine using electrospun carbon nanofibers modified electrode. <i>Talanta</i> , 2010, 80, 2182-2186.	5.5	271
46	Nonenzymatic glucose sensor based on renewable electrospun Ni nanoparticle-loaded carbon nanofiber paste electrode. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3329-3334.	10.1	366
47	Large-Scale and Template-Free Growth of Free-Standing Single-Crystalline Dendritic Ag/Pd Alloy Nanostructure Arrays. <i>Crystal Growth and Design</i> , 2009, 9, 4351-4355.	3.0	35
48	Synthesis of Carbon Nanofibers for Mediatorless Sensitive Detection of NADH. <i>Electroanalysis</i> , 2008, 20, 1708-1713.	2.9	30
49	Simultaneous electrochemical determination of dopamine, uric acid and ascorbic acid using palladium nanoparticle-loaded carbon nanofibers modified electrode. <i>Biosensors and Bioelectronics</i> , 2008, 24, 632-637.	10.1	608
50	Simultaneous determination of dopamine, ascorbic acid and uric acid with electrospun carbon nanofibers modified electrode. <i>Electrochemistry Communications</i> , 2008, 10, 1431-1434.	4.7	194
51	EDTA-controlled One-pot Preparation of Novel Shaped Gold Microcrystals and Their Application in Surface-enhanced Raman Scattering. <i>Chemistry Letters</i> , 2007, 36, 924-925.	1.3	21