

# Yang Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

3,263  
citations

201674

27  
h-index

182427

51  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4039  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Carbon nanofiber based electrochemical biosensors: A review. <i>Analytical Methods</i> , 2010, 2, 202.	2.7	233
5	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
6	Simultaneous determination of catechol and hydroquinone using electrospun carbon nanofibers modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2012, 163, 179-185.	7.8	175
7	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
8	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
9	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
10	A Novel Electrochemiluminescence Immunosensor for the Analysis of HIV-1 p24 Antigen Based on P-RGO@Au@Ru-SiO <sub>2</sub> Composite. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24438-24445.	8.0	69
11	Electrochemical determination of oxalic acid using palladium nanoparticle-loaded carbon nanofiber modified electrode. <i>Analytical Methods</i> , 2010, 2, 855.	2.7	62
12	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
13	A nonenzymatic sensor for xanthine based on electrospun carbon nanofibers modified electrode. <i>Talanta</i> , 2011, 83, 1410-1414.	5.5	58
14	Ratiometric electrochemical, electrochemiluminescent, and photoelectrochemical strategies for environmental contaminant detection. <i>Current Opinion in Electrochemistry</i> , 2019, 17, 47-55.	4.8	53
15	In situ synthesis of Pt/carbon nanofiber nanocomposites with enhanced electrocatalytic activity toward methanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 199-203.	9.4	50
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	Highly sensitive detection of hydrogen peroxide at a carbon nanotube fiber microelectrode coated with palladium nanoparticles. <i>Mikrochimica Acta</i> , 2014, 181, 63-70.	5.0	46
18	Highly sensitive composite electrode based on electrospun carbon nanofibers and ionic liquid. <i>Electrochemistry Communications</i> , 2010, 12, 1108-1111.	4.7	41

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19	Direct Electrochemistry Based Biosensors and Biofuel Cells Enabled with Nanostructured Materials. <i>Electroanalysis</i> , 2013, 25, 815-831.	2.9	41
20	Recent advances in sensors for electrochemical analysis of nitrate in food and environmental matrices. <i>Analyst</i> , 2020, 145, 5400-5413.	3.5	41
21	An Electrochemical Sensor Based on Nitrogen-doped Carbon Nanofiber for Bisphenol A Determination. <i>Electroanalysis</i> , 2016, 28, 439-444.	2.9	36
22	Facile synthesis of iron phthalocyanine functionalized N-doped reduced graphene oxide nanocomposites and sensitive electrochemical detection for glutathione. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126756.	7.8	36
23	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
24	Ion-Transfer Voltammetric Behavior of Propranolol at Nanoscale Liquid-Liquid Interface Arrays. <i>Analytical Chemistry</i> , 2015, 87, 4487-4494.	6.5	32
25	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
26	Synthesis of Carbon Nanofibers for Mediatorless Sensitive Detection of NADH. <i>Electroanalysis</i> , 2008, 20, 1708-1713.	2.9	30
27	Achievement of Diffusional Independence at Nanoscale Liquid-Liquid Interfaces within Arrays. <i>Analytical Chemistry</i> , 2015, 87, 5486-5490.	6.5	30
28	On-off-on-detection of Fe <sup>3+</sup> and FAD, 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
29	An Electrochemical Sensing Platform Based on Liquid-Liquid Microinterface Arrays Formed in Laser-Ablated Glass Membranes. <i>Analytical Chemistry</i> , 2016, 88, 2596-2604.	6.5	26
30	Design of long-wavelength emission carbon dots for hypochlorous detection and cellular imaging. <i>Talanta</i> , 2020, 219, 121170.	5.5	26
31	Novel strategy of electrochemical analysis of DNA bases with enhanced performance based on copper-nickel nanosphere decorated N-doped reduced graphene oxide. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111735.	10.1	23
32	Photoelectrochemical and electrochemical ratiometric aptasensing: A case study of streptomycin. <i>Electrochemistry Communications</i> , 2020, 110, 106637.	4.7	22
33	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
34	Protein-Directed In Situ Synthesis of Gold Nanoparticles on Reduced Graphene Oxide Modified Electrode for Nonenzymatic Glucose Sensing. <i>Electroanalysis</i> , 2012, 24, 2348-2353.	2.9	20
35	Visualization of Diffusion within Nanoarrays. <i>Analytical Chemistry</i> , 2016, 88, 6689-6695.	6.5	20
36	Single-Step Synthesis of Nitrogen-Doped Graphene Oxide from Aniline at Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5797-5806.	8.0	19

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37	Electroanalytical Ventures at Nanoscale Interfaces Between Immiscible Liquids. <i>Annual Review of Analytical Chemistry</i> , 2016, 9, 145-161.	5.4	16
38	Collisional electrochemistry of laser-ablated gold nanoparticles by electrocatalytic oxidation of glucose. <i>Electrochemistry Communications</i> , 2017, 77, 24-27.	4.7	16
39	A new shape of gold nanocrystals: singly twinned squashed dodecahedron. <i>CrystEngComm</i> , 2010, 12, 4028.	2.6	15
40	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
41	Nanomaterial-Based Label-Free Electrochemical Aptasensors for the Detection of Thrombin. <i>Biosensors</i> , 2022, 12, 253.	4.7	13
42	Electroanalytical Opportunities Derived from Ion Transfer at Interfaces between Immiscible Electrolyte Solutions. <i>Australian Journal of Chemistry</i> , 2016, 69, 1016.	0.9	12
43	Recognition and sensitive detection of CTCs using a controllable label-free electrochemical cytosensor. <i>Mikrochimica Acta</i> , 2020, 187, 487.	5.0	10
44	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
45	Facile synthesis and electrochemical properties of octahedral gold nanocrystals. <i>Journal of Nanoparticle Research</i> , 2011, 13, 157-163.	1.9	7
46	Membrane-Based Portable Colorimetric Gaseous Chlorine Sensing Probe. <i>Analytical Chemistry</i> , 2021, 93, 769-776.	6.5	7
47	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
48	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
49	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
50	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
51	Nanomaterials at Interfaces between Immiscible Electrolyte Solutions. <i>Australian Journal of Chemistry</i> , 2020, , .	0.9	1