Yuqing Lin

List of Publications by Year in descending order

76 papers	3,488 citations	134610 34 h-index	162838 57 g-index
78 all docs	78 docs citations	78 times ranked	5117 citing authors

#	Article	IF	Citations
1	Amorphous Feâ€“Moâ€“O Nanostructures for Catalytic Water Oxidation. ACS Applied Nano Materials, 2022, 5, 9427-9434.	2.4	2
2	In Situ Observation of Glucose Metabolism Dynamics of Endothelial Cells in Hyperglycemia with a Stretchable Biosensor: Research Tool for Bridging Diabetes and Atherosclerosis. Analytical Chemistry, 2021, 93, 1043-1049.	3.2	14
3	Role of rare-earth elements in enhancing bioelectrocatalysis for biosensing with NAD⁺-dependent glutamate dehydrogenase. Chemical Science, 2021, 12, 13434-13441.	3.7	2
4	Structure Defect Tuning of Metalâ€“Organic Frameworks as a Nanozyme Regulatory Strategy for Selective Online Electrochemical Analysis of Uric Acid. ACS Applied Materials & Interfaces, 2021, 13, 52987-52997.	4.0	35
5	Single-Atom Fe-N₄ on a Carbon Substrate for Nitrogen Reduction Reaction. ACS Applied Nano Materials, 2021, 4, 13001-13009.	2.4	19
6	Auâ€“Ag Nanoclusters/3,3â€²,5,5â€² Tetramethylbenzidine Complex as a Sensitive â€œTurn-Onâ€•Fluorescent Nanoplatform for Mercury (II) Ions Sensing. Journal of Nanoscience and Nanotechnology, 2020, 20, 692-700.	0.9	2
7	Integrating Prussian Blue Analog-Based Nanozyme and Online Visible Light Absorption Approach for Continuous Hydrogen Sulfide Monitoring in Brains of Living Rats. Analytical Chemistry, 2020, 92, 662-667.	3.2	24
8	Oxygen Vacancy Regulation Strategy Promotes Electrocatalytic Nitrogen Fixation by Doping Bi into Ce-MOF-Derived CeO₂ Nanorods. Journal of Physical Chemistry C, 2020, 124, 18003-18009.	1.5	33
9	ATP-responsive laccase@ZIF-90 as a signal amplification platform to achieve indirect highly sensitive online detection of ATP in rat brain. Chemical Communications, 2020, 56, 6436-6439.	2.2	16
10	ZIF-67 as a Template Generating and Tuning â€œRaisin Puddingâ€•Type Nanozymes with Multiple Enzyme-like Activities: Toward Online Electrochemical Detection of 3,4-Dihydroxyphenylacetic Acid in Living Brains. ACS Applied Materials & Interfaces, 2020, 12, 29631-29640.	4.0	13
11	Enhancing Enzyme-like Activities of Prussian Blue Analog Nanocages by Molybdenum Doping: Toward Cytoprotecting and Online Optical Hydrogen Sulfide Monitoring. Analytical Chemistry, 2020, 92, 7822-7830.	3.2	48
12	Understanding coordination modification strategy on metal organic framework-based system for efficient water oxidation. Chemical Engineering Journal, 2020, 400, 125884.	6.6	11
13	Single-atom Ni-N4 provides a robust cellular NO sensor. Nature Communications, 2020, 11, 3188.	5.8	153
14	V₂O₅ Nanobelts Mimick Tandem Enzymes To Achieve Nonenzymatic Online Monitoring of Glucose in Living Rat Brain. Analytical Chemistry, 2020, 92, 4583-4591.	3.2	55
15	Prussian blue analog nanocubes tuning synthesis of coral-like Ni3S2@MIL-53(NiFeCo) core-shell nanowires array and boosting oxygen evolution reaction. Journal of Power Sources, 2020, 451, 227295.	4.0	22
16	Carbon-Shielded Three-Dimensional Coâ€“Mn Nanowire Array Anchored on Ni Foam with Dual-Enzyme Mimic Performance for Selective Detection of Ascorbic Acid. ACS Sustainable Chemistry and Engineering, 2019, 7, 15471-15478.	3.2	19
17	3D Coâ€“Ni Nanocone Array Shielded with Conducting Amorphous Carbon Used as Fused, Separable, and Stable Mimicking Peroxidases for RGB-Color Intensiometric pH Indication. ACS Applied Materials & Interfaces, 2019, 11, 40382-40392.	4.0	6
18	In Vivo and Online Optical Ascorbic Acid Monitoring in Living Rat Brains Using a Brightfield Microscope-Based Online Detection Platform. ACS Sustainable Chemistry and Engineering, 2019, 7, 3715-3721.	3.2	13

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19	Fabrication of Cobalt Nanocomposites as Enzyme Mimetic with Excellent Electrocatalytic Activity for Superoxide Oxidation and Cellular Release Detection. ACS Sustainable Chemistry and Engineering, 2019, 7, 10227-10233.	3.2	19
20	FeNi-Based Coordination Crystal Directly Serving as Efficient Oxygen Evolution Reaction Catalyst and Its Density Functional Theory Insight on the Active Site Change Mechanism. ACS Applied Materials & Interfaces, 2019, 11, 20778-20787.	4.0	35
21	Nanocubic bimetallic organic framework self-templated from Ni precursor as efficient electrocatalysts for oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 11705-11716.	3.8	11
22	Formation of Prussian blue analog on Ni foam via in-situ electrodeposition method and conversion into Ni-Fe-mixed phosphates as efficient oxygen evolution electrode. Electrochimica Acta, 2019, 313, 91-98.	2.6	35
23	Binding Energy Optimization Strategy Inducing Enhanced Catalytic Performance on MIL-100(FeNi) To Catalyze Water Oxidation Directly. ACS Sustainable Chemistry and Engineering, 2019, 7, 7496-7501.	3.2	29
24	Dual-Channel Online Optical Detection Platform Integrated with a Visible Light Absorption Approach for Continuous and Simultaneous in Vivo Monitoring of Ascorbic Acid and Copper(II) Ions in a Living Rat Brain. Analytical Chemistry, 2019, 91, 16010-16016.	3.2	16
25	Feâ€“N/C single-atom catalysts exhibiting multienzyme activity and ROS scavenging ability in cells. Chemical Communications, 2019, 55, 14534-14537.	2.2	69
26	A non-enzymatic electrochemical biosensor based on Au@PBA(Niâ€“Fe):MoS₂ nanocubes for stable and sensitive detection of hydrogen peroxide released from living cells. Journal of Materials Chemistry B, 2019, 7, 7704-7712.	2.9	41
27	Sensitive Sulfide Monitoring in Live Cells by Dark-Field Microscopy Based on the Formation of Ag₂S on Au@AgI Coreâ€“Shell Nanoparticles. ACS Sustainable Chemistry and Engineering, 2019, 7, 19338-19343.	3.2	8
28	Carbon quantum dots-Ag nanoparticle complex as a highly sensitive â€œturn-onâ€•fluorescent probe for hydrogen sulfide: A DFT/TD-DFT study of electronic transitions and mechanism of sensing. Sensors and Actuators B: Chemical, 2018, 264, 404-409.	4.0	30
29	Online Electrochemical Monitoring of Glucose in Rat Brain with Acanthosphereâ€like CuOOH Nanospheresâ€based Electrochemical Sensor as Nonâ€enzymatic and O₂â€independent Detector. Electroanalysis, 2018, 30, 1033-1040.	1.5	9
30	Refining cocoon to prepare (N, S, and Fe) ternary-doped porous carbon aerogel as efficient catalyst for the oxygen reduction reaction in alkaline medium. Journal of Power Sources, 2018, 384, 48-57.	4.0	69
31	The CoOOH-TMB oxidative system for use in colorimetric and test strip based determination of ascorbic acid. Mikrochimica Acta, 2018, 185, 131.	2.5	38
32	Incorporation of Fe₃C and Pyridinic N Active Sites with a Moderate N/C Ratio in Feâ€“N Mesoporous Carbon Materials for Enhanced Oxygen Reduction Reaction Activity. ACS Applied Nano Materials, 2018, 1, 1801-1810.	2.4	48
33	Fluorophore-free luminescent double-shelled hollow mesoporous silica nanoparticles as pesticide delivery vehicles. Nanoscale, 2018, 10, 20354-20365.	2.8	74
34	Enhanced Visible Light Photocatalytic Decolorization of Methylene Blue by Hierarchical Ternary Nanocomposites Cuâ€“TiO₂-Mesoporous-Silica Microsphere. Journal of Nanoscience and Nanotechnology, 2018, 18, 8269-8275.	0.9	7
35	One-Step Pyrolysis Transformation of Mulberry Leaves Followed by Electrochemical Treatment: Preparing of M (M = Pt, Au) Nanoparticles Incorporated Nitrogen-Doped Carbon Nanoporous Structures as Efficient Electrocatalyst for Hydrogen Evolution Reaction. Journal of Nanoscience and Nanotechnology, 2018, 18, 8289-8295.	0.9	0
36	Heterogeneous Nanostructure Design Based on the Epitaxial Growth of Spongy MoS_x on 2D Co(OH)₂ Nanoflakes for Triple-Enzyme Mimetic Activity: Experimental and Density Functional Theory Studies on the Dramatic Activation Mechanism. ACS Applied Materials & Interfaces, 2018, 10, 32567-32578.	4.0	32

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37	Fabrication of a Flexible and Stretchable Nanostructured Gold Electrode Using a Facile Ultraviolet-Irradiation Approach for the Detection of Nitric Oxide Released from Cells. Analytical Chemistry, 2018, 90, 7158-7163.	3.2	59
38	3D Ni-Co sulfoxide nanosheet arrays electrodeposited on Ni foam: A bifunctional electrocatalyst towards efficient and stable water splitting. Electrochimica Acta, 2018, 292, 347-356.	2.6	40
39	Loading controlled magnetic carbon dots for microwaveâ€assisted solidâ€phase extraction: Preparation, extraction evaluation and applications in environmental aqueous samples. Journal of Separation Science, 2018, 41, 3622-3630.	1.3	15
40	NiFeâ€Based Metalâ€“Organic Framework Nanosheets Directly Supported on Nickel Foam Acting as Robust Electrodes for Electrochemical Oxygen Evolution Reaction. Advanced Energy Materials, 2018, 8, 1800584.	10.2	442
41	Cost-Effective and Facile Preparation of Fe2O3 Nanoparticles Decorated N-Doped Mesoporous Carbon Materials: Transforming Mulberry Leaf into a Highly Active Electrocatalyst for Oxygen Reduction Reactions. Catalysts, 2018, 8, 101.	1.6	11
42	Co3O4 nanoparticles anchored on nitrogen-doped reduced graphene oxide as a multifunctional catalyst for H2O2 reduction, oxygen reduction and evolution reaction. Scientific Reports, 2017, 7, 43638.	1.6	104
43	Iron incorporation affecting the structure and boosting catalytic activity of Î²-Co(OH)₂: exploring the reaction mechanism of ultrathin two-dimensional carbon-free Fe₃O₄-decorated Î²-Co(OH)₂nanosheets as efficient oxygen evolution electrocatalysts. Journal of Materials Chemistry A, 2017, 5, 6849-6859.	5.2	67
44	Photochemical synthesis of glutathione-stabilized silver nanoclusters for fluorometric determination of hydrogen peroxide. Mikrochimica Acta, 2017, 184, 2497-2503.	2.5	26
45	Amorphous MoS_x developed on Co(OH)₂ nanosheets generating efficient oxygen evolution catalysts. Journal of Materials Chemistry A, 2017, 5, 23103-23114.	5.2	81
46	Ultrasonic-Aided Fabrication of Nanostructured Au-Ring Microelectrodes for Monitoring Transmitters Released from Single Cells. Analytical Chemistry, 2017, 89, 8683-8688.	3.2	22
47	Ultrasensitive and facile electrochemical detection of hydrogen sulfide in rat brain microdialysate based on competitive binding reaction. Analytical and Bioanalytical Chemistry, 2017, 409, 1101-1107.	1.9	18
48	Amino-Functionalized Carbon Nanotubes Decorated with MoS2 Nanoparticles: A Highly Active Non-Noble Metal Nanohybrid Electrocatalyst for Efficient Hydrogen Evolution. Journal of Nanoscience and Nanotechnology, 2017, 17, 9343-9346.	0.9	1
49	Shape transformation of Ag nanospheres to triangular Ag nanoplates: Hydrogen peroxide is a magic reagent. Integrated Ferroelectrics, 2016, 169, 22-28.	0.3	9
50	Preparation of nitrogen-doped carbon nanoblocks with high electrocatalytic activity for oxygen reduction reaction in alkaline solution. Chinese Journal of Catalysis, 2016, 37, 1275-1282.	6.9	9
51	Nitrogen-doped amorphous carbon with effective electrocatalytic activity toward oxygen reduction reaction. Materials Research Bulletin, 2016, 84, 118-123.	2.7	12
52	An Online Electrochemical System for Continuously Monitoring Uric Acid Change following Rabbit Kidney following Ischemia-reperfusion Injury. Electrochimica Acta, 2016, 209, 132-137.	2.6	7
53	Silver nanoparticles with different morphologies: growth mechanism and stability. Materials Research Innovations, 2016, 20, 58-66.	1.0	4
54	Facile development of Au-ring microelectrode for in vivo analysis using non-toxic polydopamine as multifunctional material. Biosensors and Bioelectronics, 2016, 78, 274-280.	5.3	17

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55	Aptasensor for electrochemical sensing of angiogenin based on electrode modified by cationic polyelectrolyte-functionalized graphene/gold nanoparticles composites. Biosensors and Bioelectronics, 2015, 65, 232-237.	5.3	48
56	Hexagonal Cobalt Oxyhydroxideâ€“Carbon Dots Hybridized Surface: High Sensitive Fluorescence Turn-on Probe for Monitoring of Ascorbic Acid in Rat Brain Following Brain Ischemia. Analytical Chemistry, 2015, 87, 3404-3411.	3.2	168
57	Electrochemical determination of pyrophosphate at nanomolar levels using a gold electrode covered with a cysteine nanofilm and based on competitive coordination of Cu(II) ion to cysteine and pyrophosphate. Mikrochimica Acta, 2015, 182, 2069-2075.	2.5	18
58	Fe3+-functionalized carbon quantum dots: A facile preparation strategy and detection for ascorbic acid in rat brain microdialysates. Talanta, 2015, 144, 1301-1307.	2.9	56
59	Electrochemical Immunosensor for Detection of Epidermal Growth Factor Reaching Lower Detection Limit: Toward Oxidized Glutathione as a More Efficient Blocking Reagent for the Antibody Functionalized Silver Nanoparticles and Antigen Interaction. Analytical Chemistry, 2015, 87, 8047-8051.	3.2	43
60	A multi-enzyme microreactor-based online electrochemical system for selective and continuous monitoring of acetylcholine. Analyst, The, 2015, 140, 3781-3787.	1.7	32
61	Tunable Fluorescent Silica-Coated Carbon Dots: A Synergistic Effect for Enhancing the Fluorescence Sensing of Extracellular Cu²⁺ in Rat Brain. ACS Applied Materials & Interfaces, 2015, 7, 27262-27270.	4.0	74
62	Chitosan-functionalized gold nanoparticles for colorimetric detection of mercury ions based on chelation-induced aggregation. Mikrochimica Acta, 2015, 182, 611-616.	2.5	40
63	Synthesis of nitrogen-doped and amino acid-functionalized graphene quantum dots from glycine, and theirÂapplication to the fluorometric determination of ferric ion. Mikrochimica Acta, 2015, 182, 763-770.	2.5	108
64	Facile synthesis of nickel hydroxideâ€“graphene nanocomposites for insulin detection with enhanced electro-oxidation properties. RSC Advances, 2014, 4, 46208-46213.	1.7	24
65	A colorimetric aptamer biosensor based on cationic polymer and gold nanoparticles for the ultrasensitive detection of thrombin. Biosensors and Bioelectronics, 2014, 56, 46-50.	5.3	75
66	Aptasensor for label-free square-wave voltammetry detection of potassium ions based on gold nanoparticle amplification. RSC Advances, 2014, 4, 48671-48675.	1.7	10
67	Continuous and Simultaneous Electrochemical Measurements of Glucose, Lactate, and Ascorbate in Rat Brain Following Brain Ischemia. Analytical Chemistry, 2014, 86, 3895-3901.	3.2	97
68	Online Electrochemical Monitoring of Dynamic Change of Hippocampal Ascorbate: Toward a Platform for In Vivo Evaluation of Antioxidant Neuroprotective Efficiency against Cerebral Ischemia Injury. Analytical Chemistry, 2013, 85, 9947-9954.	3.2	87
69	A New Microfluidic Chipâ€Based Online Electrochemical Platform for Extracellular Neurochemicals Monitoring in Rat Brain. Electroanalysis, 2013, 25, 1010-1016.	1.5	12
70	A non-oxidative electrochemical approach to online measurements of dopamine release through laccase-catalyzed oxidation and intramolecular cyclization of dopamine. Biosensors and Bioelectronics, 2010, 25, 1350-1355.	5.3	57
71	Online Electrochemical Measurements of Ca2+and Mg2+in Rat Brain Based on Divalent Cation Enhancement toward Electrocatalytic NADH Oxidation. Analytical Chemistry, 2010, 82, 9885-9891.	3.2	32
72	Dynamic regional changes of extracellular ascorbic acid during global cerebral ischemia: Studied with in vivo microdialysis coupled with on-line electrochemical detection. Brain Research, 2009, 1253, 161-168.	1.1	75

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73	On-line electrochemical measurements of cerebral hypoxanthine of freely moving rats. Science in China Series B: Chemistry, 2009, 52, 1677-1682.	0.8	3
74	Physiologically Relevant Online Electrochemical Method for Continuous and Simultaneous Monitoring of Striatum Glucose and Lactate Following Global Cerebral Ischemia/Reperfusion. Analytical Chemistry, 2009, 81, 2067-2074.	3.2	108
75	Comparative study of change in extracellular ascorbic acid in different brain ischemia/reperfusion models with in vivo microdialysis combined with on-line electrochemical detection. Neurochemistry International, 2008, 52, 1247-1255.	1.9	51
76	A Facile Electrochemical Method for Simultaneous and On-Line Measurements of Glucose and Lactate in Brain Microdialysate with Prussian Blue as the Electrocatalyst for Reduction of Hydrogen Peroxide. Analytical Chemistry, 2007, 79, 9577-9583.	3.2	113