

Wenyue Gao

List of Publications by Year in descending order

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37
papers

1,557
citations

331670

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330143

37
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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Stainless Steel Electrode for Sensitive Luminol Electrochemiluminescent Detection of H_2O_2 , Glucose, and Glucose Oxidase Activity. <i>Analytical Chemistry</i> , 2017, 89, 9864-9869.	6.5	165
2	Ultrasensitive Glutathione Detection Based on Lucigenin Cathodic Electrochemiluminescence in the Presence of MnO_2 Nanosheets. <i>Analytical Chemistry</i> , 2016, 88, 7654-7659.	6.5	146
3	Sensitive detection of alkaline phosphatase by switching on gold nanoclusters fluorescence quenched by pyridoxal phosphate. <i>Biosensors and Bioelectronics</i> , 2017, 95, 8-14.	10.1	120
4	Rational Design of Electrochemiluminescent Devices. <i>Accounts of Chemical Research</i> , 2021, 54, 2936-2945.	15.6	109
5	Recent advances in electrochemiluminescence devices for point-of-care testing. <i>Current Opinion in Electrochemistry</i> , 2017, 3, 4-10.	4.8	89
6	A single-electrode electrochemical system for multiplex electrochemiluminescence analysis based on a resistance induced potential difference. <i>Chemical Science</i> , 2018, 9, 3911-3916.	7.4	78
7	Synthesis of Convex Hexoctahedral Palladium@Gold Core-Shell Nanocrystals with {431} High-Index Facets with Remarkable Electrochemiluminescence Activities. <i>ACS Nano</i> , 2014, 8, 5953-5958.	14.6	76
8	Efficient lucigenin/thiourea dioxide chemiluminescence system and its application for selective and sensitive dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 468-472.	7.8	72
9	Facile surfactant-free synthesis and characterization of Fe_3O_4 @3-aminophenol-formaldehyde core-shell magnetic microspheres. <i>Journal of Materials Chemistry A</i> , 2015, 3, 519-524.	10.3	62
10	Artemisinin-Luminol Chemiluminescence for Forensic Bloodstain Detection Using a Smart Phone as a Detector. <i>Analytical Chemistry</i> , 2017, 89, 6160-6165.	6.5	62
11	Chemiluminescence of creatinine/ H_2O_2 / Co^{2+} and its application for selective creatinine detection. <i>Biosensors and Bioelectronics</i> , 2016, 75, 347-351.	10.1	60
12	Stainless steel electrode for simultaneous stripping analysis of Cd(II), Pb(II), Cu(II) and Hg(II). <i>Talanta</i> , 2019, 191, 485-490.	5.5	60
13	Facile Synthesis of Porous PtM (M=Cu, Ni) Nanowires and Their Application as Efficient Electrocatalysts for Methanol Electrooxidation. <i>ChemCatChem</i> , 2014, 6, 2253-2257.	3.7	41
14	Increasing Electrochemiluminescence Intensity of a Wireless Electrode Array Chip by Thousands of Times Using a Diode for Sensitive Visual Detection by a Digital Camera. <i>Analytical Chemistry</i> , 2016, 88, 1123-1127.	6.5	40
15	Simultaneous voltammetric determination of dihydroxybenzene isomers at single-walled carbon nanohorn modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 388-394.	7.8	36
16	Wireless Electrochemiluminescence with Disposable Minidevice. <i>Analytical Chemistry</i> , 2014, 86, 8927-8931.	6.5	34
17	Electrogenerated Chemiluminescence for Chronopotentiometric Sensors. <i>Analytical Chemistry</i> , 2019, 91, 4889-4895.	6.5	32
18	A portable wireless single-electrode system for electrochemiluminescent analysis. <i>Electrochimica Acta</i> , 2019, 308, 20-24.	5.2	28

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19	Facet-dependent electrocatalytic activities of Pd nanocrystals toward the electro-oxidation of hydrazine. <i>Electrochemistry Communications</i> , 2013, 37, 57-60.	4.7	26
20	A Platinum Highly Concave Cube with one Leg on each Vertex as an Advanced Nanocatalyst for Electrocatalytic Applications. <i>ChemCatChem</i> , 2015, 7, 1064-1069.	3.7	24
21	A Solid-State Reference Electrode Based on a Self-Referencing Pulstrode. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2294-2298.	13.8	24
22	Artesunate-luminol chemiluminescence system for the detection of hemin. <i>Talanta</i> , 2019, 204, 379-385.	5.5	23
23	Lucigenin fluorescent assay of tyrosinase activity and its inhibitor screening. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 41-45.	7.8	21
24	Detection of ascorbic acid based on its quenching effect on luminol- <i>artemisinin</i> chemiluminescence. <i>Analyst</i> , 2021, 146, 1981-1985.	3.5	18
25	Electrochemiluminescence of Acridines. <i>Electroanalysis</i> , 2016, 28, 2672-2679.	2.9	16
26	Electrochemiluminescence of Luminol-Tripropylamine System. <i>Electrochimica Acta</i> , 2016, 196, 245-251.	5.2	16
27	Fabrication of biomembrane-like films on carbon electrodes using alkanethiol and diazonium salt and their application for direct electrochemistry of myoglobin. <i>Biosensors and Bioelectronics</i> , 2015, 65, 159-165.	10.1	13
28	Detection of Sodium Dehydroacetate by Tris(2,2'-bipyridine)ruthenium(II) Electrochemiluminescence. <i>ChemElectroChem</i> , 2017, 4, 1702-1707.	3.4	11
29	Direct Potentiometric Sensing of Anion Concentration (Not Activity). <i>ACS Sensors</i> , 2020, 5, 313-318.	7.8	10
30	Determination of copper(II) based on its inhibitory effect on the cathodic electrochemiluminescence of lucigenin. <i>Mikrochimica Acta</i> , 2017, 184, 693-697.	5.0	9
31	Highly efficient quenching of tris(2,2'-bipyridyl)ruthenium(II) electrochemiluminescence by ozone using formaldehyde, methylglyoxal, and glyoxalate as co-reactants and its application to ozone sensing. <i>Analyst</i> , 2015, 140, 3996-4000.	3.5	8
32	N-Hydroxysuccinimide as an effective chemiluminescence coreactant for highly selective and sensitive detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8851-8857.	3.7	8
33	Detection of 1,3-dihydroxyacetone by tris(2,2'-bipyridine)ruthenium(II) electrochemiluminescence. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2315-2320.	3.7	7
34	Emulsion Doping of Ionophores and Ion-Exchangers into Ion-Selective Electrode Membranes. <i>Analytical Chemistry</i> , 2020, 92, 14319-14324.	6.5	6
35	Boric Acid-Based Dual Modulation Photoluminescent Glucose Sensor Using Thioglycolic Acid-Capped CdTe Quantum Dots. <i>Journal of Analysis and Testing</i> , 2017, 1, 291-297.	5.1	3
36	New electrochemiluminescence catalyst: Cu ₂ O semiconductor crystal and the enhanced activity of octahedra synthesized by iodide ions coordination. <i>Materials Research Express</i> , 2017, 4, 115021.	1.6	3

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37	Amperometric detection of chloramine-T based on its reaction with p-aminophenylboronic acid. <i>Mikrochimica Acta</i> , 2017, 184, 687-691.	5.0	1