

Yimin Fang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,274
citations

393982

19
h-index

360668

35
g-index

41
all docs

41
docs citations

41
times ranked

1606
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic Imaging of Electrochemical Oxidation of Single Nanoparticles. Journal of the American Chemical Society, 2014, 136, 12584-12587.	6.6	133
2	Electrogenerated chemiluminescence from Au nanoclusters. Chemical Communications, 2011, 47, 2369-2371.	2.2	125
3	Optical Imaging of Phase Transition and Li-Ion Diffusion Kinetics of Single LiCoO ₂ Nanoparticles During Electrochemical Cycling. Journal of the American Chemical Society, 2017, 139, 186-192.	6.6	117
4	Plasmonic Imaging of Electrochemical Reactions of Single Nanoparticles. Accounts of Chemical Research, 2016, 49, 2614-2624.	7.6	91
5	Rapid visual detection of aluminium ion using citrate capped gold nanoparticles. Analyst, The, 2012, 137, 2021.	1.7	78
6	Intermittent photocatalytic activity of single CdS nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10566-10571.	3.3	73
7	Monitoring the dynamic photocatalytic activity of single CdS nanoparticles by lighting up H ₂ nanobubbles with fluorescent dyes. Chemical Science, 2018, 9, 1448-1453.	3.7	54
8	Detection of Charges and Molecules with Self-Assembled Nano-Oscillators. Nano Letters, 2014, 14, 4151-4157.	4.5	51
9	Catalytic Electrogenerated Chemiluminescence and Nitrate Reduction at CdS Nanotubes Modified Glassy Carbon Electrode. Langmuir, 2009, 25, 555-560.	1.6	48
10	A dissolved oxygen sensor based on hot electron induced cathodic electrochemiluminescence at a disposable CdS modified screen-printed carbon electrode. Sensors and Actuators B: Chemical, 2011, 157, 488-493.	4.0	48
11	Real-time Monitoring of Phosphorylation Kinetics with Self-Assembled Nano-Oscillators. Angewandte Chemie - International Edition, 2015, 54, 2538-2542.	7.2	43
12	Gold nanoparticles for highly sensitive and selective copper ions sensing old materials with new tricks. Journal of Materials Chemistry, 2011, 21, 7898.	6.7	39
13	Electrogenerated Chemiluminescence Emissions from CdS Nanoparticles for Probing of Surface Oxidation. Journal of Physical Chemistry C, 2011, 115, 9117-9121.	1.5	33
14	Plasmonic Imaging of the Interfacial Potential Distribution on Bipolar Electrodes. Angewandte Chemie - International Edition, 2017, 56, 1629-1633.	7.2	33
15	Study on the electrochemical catalytic properties of the topological insulator Bi ₂ Se ₃ . Biosensors and Bioelectronics, 2013, 46, 171-174.	5.3	25
16	Digitizing Gold Nanoparticle-Based Colorimetric Assay by Imaging and Counting Single Nanoparticles. Analytical Chemistry, 2016, 88, 2321-2326.	3.2	23
17	Simultaneous optical and electrochemical recording of single nanoparticle electrochemistry. Nano Research, 2017, 10, 1740-1748.	5.8	22
18	Electrodeposition of bright gold a green path using hypoxanthine as a complexing agent. Green Chemistry, 2011, 13, 2339.	4.6	21

#	ARTICLE	IF	CITATIONS
19	Facile Electrochemical Preparation of Ag Nanothorns and Their Growth Mechanism. Chemistry - A European Journal, 2010, 16, 6766-6770.	1.7	20
20	An extremely stable and sensitive end-column electrochemical detector based on heated copper microdisk electrode with direct current for CE and CE-Chip. Analyst, The, 2010, 135, 1124.	1.7	20
21	Electrochemical impedance spectroscopy of single Au nanorods. Chemical Science, 2018, 9, 4424-4429.	3.7	18
22	A Simple Approach to the Solution of the Diffusion Equation at the Microcylinder Electrode—An Inspiration from the Film Projector. ChemPhysChem, 2009, 10, 2393-2396.	1.0	16
23	Visualizing the bidirectional electron transfer in a Schottky junction consisting of single CdS nanoparticles and a planar gold film. Chemical Science, 2017, 8, 5019-5023.	3.7	13
24	Nanomolar detection of chlorogenic acid at the cross-section surface of the pencil lead electrode. Sensors and Actuators B: Chemical, 2020, 321, 128550.	4.0	13
25	Electrogenerated chemiluminescence at bare glassy carbon electrode in basic media. Electrochemistry Communications, 2008, 10, 1344-1346.	2.3	11
26	Electrogenerated chemiluminescence of bis[4-(dimethylamino)phenyl]squaraine. Chemical Communications, 2011, 47, 3855.	2.2	11
27	Fast and Ultrasensitive Visual Detection of Exosomes in Body Fluids for Point-of-Care Disease Diagnosis. Analytical Chemistry, 2021, 93, 10372-10377.	3.2	11
28	Ligand-Free Fabrication of Ag Nanoassemblies for Highly Sensitive and Reproducible Surface-Enhanced Raman Scattering Sensing of Antibiotics. ACS Applied Materials & Interfaces, 2021, 13, 1766-1772.	4.0	11
29	Hot electron induced cathodic electrochemiluminescence at AuSb alloy electrode for fabricating immunosensor with self-assembled monolayers. Talanta, 2010, 82, 1455-1461.	2.9	10
30	Label free imaging and deep tracking of single biological nanoparticles in free solution by reflection enhanced dark field scattering microscopy. Sensors and Actuators B: Chemical, 2022, 355, 131317.	4.0	10
31	Hot Electron Induced Cathodic Electrochemiluminescence at Disposable Screen Printed Carbon Electrodes. Electroanalysis, 2010, 22, 2702-2707.	1.5	9
32	Plasmonic Imaging of the Interfacial Potential Distribution on Bipolar Electrodes. Angewandte Chemie, 2017, 129, 1651-1655.	1.6	8
33	Mechanism of electro-catalytic oxidation of shikimic acid on Cu electrode based on in situ FTIRS and theoretical calculations. Electrochimica Acta, 2011, 58, 165-171.	2.6	7
34	<i>In operando</i> imaging of self-catalyzed formaldehyde burst in methanol oxidation reactions under open circuit conditions. Chemical Science, 2018, 9, 3318-3323.	3.7	7
35	Sustainable removal of nano/microplastics in water by solar energy. Chemical Engineering Journal, 2022, 428, 131196.	6.6	6
36	Real-Time Monitoring of Phosphorylation Kinetics with Self-Assembled Nano-Oscillators. Angewandte Chemie, 2015, 127, 2568-2572.	1.6	5

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37	Triethylamine as a complexing reagent for highly efficient naked-eyes copper ions sensing – A new catalytic pathway for ultrasensitive detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127373.	4.0	5
38	Self-Reference Analysis Based on Temperature Difference Absorption Spectra. <i>Analytical Chemistry</i> , 2019, 91, 15791-15797.	3.2	4
39	Electrogenerated chemiluminescence emission from cadmium germanate nanoparticles. <i>RSC Advances</i> , 2015, 5, 78841-78844.	1.7	1
40	Plasmonic imaging the catalysis of single graphene sheets – The edge effect. <i>Carbon</i> , 2022, 191, 333-339.	5.4	1
41	Monitoring colorless electroactive chemicals in complex background based on electrochemical difference absorption spectroscopy with twin flow cells. <i>Analytica Chimica Acta</i> , 2021, 1164, 338521.	2.6	0