Yimin Fang

List of Publications by Year
in descending order

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	Sustainable removal of nano/microplastics in water by solar energy. Chemical Engineering Journal, 2022, 428, 131196.	6.6	6
2	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
3	Plasmonic imaging the catalysis of single graphene sheets â€“ The edge effect. Carbon, 2022, 191, 333-339.	5.4	1
4	Monitoring colorless electroactive chemicals in complex background based on electrochemical difference absorption spectroscopy with twin flow cells. Analytica Chimica Acta, 2021, 1164, 338521.	2.6	0
5	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
6	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
7	Triethylamine as a complexing reagent for highly efficient naked-eyes copper ions sensing â€“ A new catalytic pathway for ultrasensitive detection. Sensors and Actuators B: Chemical, 2020, 305, 127373.	4.0	5
8	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
9	Self-Reference Analysis Based on Temperature Difference Absorption Spectra. Analytical Chemistry, 2019, 91, 15791-15797.	3.2	4
10	In operando imaging of self-catalyzed formaldehyde burst in methanol oxidation reactions under open circuit conditions. Chemical Science, 2018, 9, 3318-3323.	3.7	7
11	Monitoring the dynamic photocatalytic activity of single CdS nanoparticles by lighting up H₂ nanobubbles with fluorescent dyes. Chemical Science, 2018, 9, 1448-1453.	3.7	54
12	Electrochemical impedance spectroscopy of single Au nanorods. Chemical Science, 2018, 9, 4424-4429.	3.7	18
13	Plasmonic Imaging of the Interfacial Potential Distribution on Bipolar Electrodes. Angewandte Chemie - International Edition, 2017, 56, 1629-1633.	7.2	33
14	Plasmonic Imaging of the Interfacial Potential Distribution on Bipolar Electrodes. Angewandte Chemie, 2017, 129, 1651-1655.	1.6	8
15	Simultaneous optical and electrochemical recording of single nanoparticle electrochemistry. Nano Research, 2017, 10, 1740-1748.	5.8	22
16	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
17	Optical Imaging of Phase Transition and Li-Ion Diffusion Kinetics of Single LiCoO₂ Nanoparticles During Electrochemical Cycling. Journal of the American Chemical Society, 2017, 139, 186-192.	6.6	117
18	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

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19	Plasmonic Imaging of Electrochemical Reactions of Single Nanoparticles. Accounts of Chemical Research, 2016, 49, 2614-2624.	7.6	91
20	Digitizing Gold Nanoparticle-Based Colorimetric Assay by Imaging and Counting Single Nanoparticles. Analytical Chemistry, 2016, 88, 2321-2326.	3.2	23
21	Realâ€Time Monitoring of Phosphorylation Kinetics with Selfâ€Assembled Nanoâ€oscillators. Angewandte Chemie, 2015, 127, 2568-2572.	1.6	5
22	Electrogenerated chemiluminescence emission from cadmium germanate nanoparticles. RSC Advances, 2015, 5, 78841-78844.	1.7	1
23	Realâ€Time Monitoring of Phosphorylation Kinetics with Selfâ€Assembled Nanoâ€oscillators. Angewandte Chemie - International Edition, 2015, 54, 2538-2542.	7.2	43
24	Plasmonic Imaging of Electrochemical Oxidation of Single Nanoparticles. Journal of the American Chemical Society, 2014, 136, 12584-12587.	6.6	133
25	Detection of Charges and Molecules with Self-Assembled Nano-Oscillators. Nano Letters, 2014, 14, 4151-4157.	4.5	51
26	Study on the electrochemical catalytic properties of the topological insulator Bi2Se3. Biosensors and Bioelectronics, 2013, 46, 171-174.	5.3	25
27	Rapid visual detection of aluminium ion using citrate capped gold nanoparticles. Analyst, The, 2012, 137, 2021.	1.7	78
28	Electrodeposition of bright goldâ€"a green path using hypoxanthine as a complexing agent. Green Chemistry, 2011, 13, 2339.	4.6	21
29	Gold nanoparticles for highly sensitive and selective copper ions sensingâ€"old materials with new tricks. Journal of Materials Chemistry, 2011, 21, 7898.	6.7	39
30	Electrogenerated Chemiluminescence Emissions from CdS Nanoparticles for Probing of Surface Oxidation. Journal of Physical Chemistry C, 2011, 115, 9117-9121.	1.5	33
31	Electrogenerated chemiluminescence from Au nanoclusters. Chemical Communications, 2011, 47, 2369-2371.	2.2	125
32	Electrogenerated chemiluminescence of bis[4-(dimethylamino)phenyl]squaraine. Chemical Communications, 2011, 47, 3855.	2.2	11
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	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
35	Hot Electron Induced Cathodic Electrochemiluminescence at Disposable Screen Printed Carbon Electrodes. Electroanalysis, 2010, 22, 2702-2707.	1.5	9
36	Facile Electrochemical Preparation of Ag Nanothorns and Their Growth Mechanism. Chemistry - A European Journal, 2010, 16, 6766-6770.	1.7	20

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37	Hot electron induced cathodic electrochemiluminescence at AuSb alloy electrode for fabricating immunosensor with self-assembled monolayers. Talanta, 2010, 82, 1455-1461.	2.9	10
38	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
39	A Simple Approach to the Solution of the Diffusion Equation at the Microcylinder Electrodeâ€"an Inspiration from the Film Projector. ChemPhysChem, 2009, 10, 2393-2396.	1.0	16
40	Catalytic Electrogenerated Chemiluminescence and Nitrate Reduction at CdS Nanotubes Modified Glassy Carbon Electrode. Langmuir, 2009, 25, 555-560.	1.6	48
41	Electrogenerated chemiluminescence at bare glassy carbon electrode in basic media. Electrochemistry Communications, 2008, 10, 1344-1346.	2.3	11