Chi Yang

List of Publications by Year
in descending order

43	1,492	304602	315616
papers	citations	22 h-index	38 g-index

43	43	43	2419
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of Gold Nanorods with Tunable Longitudinal Surface Plasmon Resonance Peaks by Reductive Dopamine. Langmuir, 2015, 31, 817-823.	1.6	134
2	A review on nanomaterial-based electrochemical sensors for H2O2, H2S and NO inside cells or released by cells. Mikrochimica Acta, 2017, 184, 1267-1283.	2.5	130
3	Controllable Rh(III)-Catalyzed Annulation between Salicylaldehydes and Diazo Compounds: Divergent Synthesis of Chromones and Benzofurans. Organic Letters, 2016, 18, 6464-6467.	2.4	105
4	ZnO quantum dot labeled immunosensor for carbohydrate antigen 19-9. Biosensors and Bioelectronics, 2011, 26, 2720-2723.	5.3	104
5	A nanoporous MgO based nonenzymatic electrochemical sensor for rapid screening of hydrogen peroxide in milk. RSC Advances, 2015, 5, 86485-86489.	1.7	83
6	ZnO/Cu Nanocomposite: A Platform for Direct Electrochemistry of Enzymes and Biosensing Applications. Langmuir, 2012, 28, 4580-4585.	1.6	72
7	Chemical characteristics of dicarboxylic acids and related organic compounds in PM2.5 during biomass-burning and non-biomass-burning seasons at a rural site of Northeast China. Environmental Pollution, 2017, 231, 654-662.	3.7	72
8	[3 + 2] Cycloaddition Reaction of in Situ Formed Azaoxyallyl Cations with Aldehydes: An Approach to Oxazolidin-4-ones. Organic Letters, 2016, 18, 4618-4621.	2.4	67
9	CdS quantum dots/Au nanoparticles/ZnO nanowire array for self-powered photoelectrochemical detection of Escherichia coli O157:H7. Biosensors and Bioelectronics, 2020, 149, 111843.	5.3	66
10	Cooperative Palladium/Proline-Catalyzed Direct Î±-Allylic Alkylation of Ketones with Alkynes. Organic Letters, 2016, 18, 5332-5335.	2.4	53
11	Rapid Synthesis of ZIF-8 Nanocrystals for Electrochemical Detection of Dopamine. Journal of the Electrochemical Society, 2017, 164, H952-H957.	1.3	51
12	Trash to treasure: A novel chemical route to synthesis of NiO/C for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 16144-16153.	3.8	48
13	UPLC-Q-TOF/MS-based screening and identification of two major bioactive components and their metabolites in normal and CKD rat plasma, urine and feces after oral administration of Rehmannia glutinosa Libosch extract. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1001, 98-106.	1.2	43
14	rGO quantum dots/ZnO hybrid nanofibers fabricated using electrospun polymer templates and applications in drug screening involving an intracellular H₂O₂ sensor. Journal of Materials Chemistry B, 2015, 3, 2651-2659.	2.9	42
15	Nanostructured ZnO for biosensing applications. Science Bulletin, 2013, 58, 2563-2566.	1.7	41
16	Identification of visible emission from ZnO quantum dots: Excitation-dependence and size-dependence. Journal of Applied Physics, 2012, 111, 083521.	1.1	40
17	Synthesis of ZnO nanorods-Au nanoparticles hybrids via in-situ plasma sputtering-assisted method for simultaneous electrochemical sensing of ascorbic acid and uric acid. Journal of Alloys and Compounds, 2016, 666, 178-184.	2.8	38
18	Hydrothermal synthesized urchin-like nickel-cobalt carbonate hollow spheres for sensitive amperometric detection of nitrite. Journal of Alloys and Compounds, 2017, 708, 780-786.	2.8	31

#	Article	IF	Citations
19	Quantum-dot-based biosensor for simultaneous detection of biomarker and therapeutic drug: first steps toward an assay for quantitative pharmacology. Analyst, The, 2012, 137, 1205.	1.7	29
20	Accessing 1,3-Dienes via Palladium-Catalyzed Allylic Alkylation of Pronucleophiles with Skipped Enynes. Organic Letters, 2017, 19, 4710-4713.	2.4	29
21	Self-assembled ZnO quantum dot bioconjugates for direct electrochemical determination of allergen. Journal of Electroanalytical Chemistry, 2011, 660, 97-100.	1.9	24
22	Biotransformation and metabolic profile of catalpol with human intestinal microflora by ultra-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1009-1010, 163-169.	1.2	24
23	Photoelectrochemical response to glutathione in Au-decorated ZnO nanorod array. Journal of Materials Chemistry C, 2019, 7, 5624-5629.	2.7	24
24	Engineering Interfaces to Steer Hole Dynamics of BiVO₄ Photoanodes for Solar Water Oxidation. Solar Rrl, 2019, 3, 1900115.	3.1	23
25	Coaxial carbon fiber/ZnO nanorods as electrodes for the electrochemical determination of dopamine. Analytical Methods, 2016, 8, 650-655.	1.3	18
26	Ultra-long ZnO/carbon nanofiber as free-standing electrochemical sensor for dopamine in the presence of uric acid. Journal of Materials Science, 2019, 54, 14897-14904.	1.7	17
27	Application of nickel cobalt oxide nanoflakes for electrochemical sensing of estriol in milk. RSC Advances, 2016, 6, 65588-65593.	1.7	12
28	Green synthesis of Co-Ni hollow spheres for its electrochemical detection of dopamine. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	9
29	Biotransformation of luteoloside by a newly isolated human intestinal bacterium using UHPLC-Q-TOF/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 991, 1-8.	1.2	7
30	In situ Magnesiothermal Synthesis of Mesoporous MgO/OMC Composite for Sensitive Detection of Lead Ions. Electroanalysis, 2016, 28, 2939-2946.	1.5	7
31	In situ growth of microporous ZnO nanorods on ITO for dopamine oxidization. Materials Letters, 2016, 162, 246-249.	1.3	7
32	Isomerization and Degradation of Levoglucosan via the Photo-Fenton Process: Insights from Aqueous-Phase Experiments and Atmospheric Particulate Matter. Environmental Science & Technology, 2020, 54, 11789-11797.	4.6	7
33	Insight into the photochemistry of atmospheric oxalate through hourly measurements in the northern suburbs of Nanjing, China. Science of the Total Environment, 2020, 719, 137416.	3.9	7
34	A displacement assay for the sensing of carbohydrate using zinc oxide biotracers. Electrochimica Acta, 2012, 60, 50-54.	2.6	6
35	In situplasma sputtering synthesis of ZnO nanorodsâ€“Ag nanoparticles hybrids and their application in non-enzymatic hydrogen peroxide sensing. Nanotechnology, 2015, 26, 335502.	1.3	4
36	Electrodeposition of Biocomposite Film Onto ZnO Nanoparticles Modified Electrode for Closed-Loop Insulin Delivery. Journal of Nanoscience and Nanotechnology, 2016, 16, 2307-2312.	0.9	4

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37	First Principle Calculation of Polar and Nonpolar Molecule Adsorption on ZnO (0001) and (1010) Surface. Nanoscience and Nanotechnology Letters, 2013, 5, 110-115.	0.4	3
38	Millepora sp. fossil-like nickel-cobalt microsphere and its neurotransmitter electrochemical activity. Journal of Alloys and Compounds, 2020, 826, 154087.	2.8	3
39	Atmospheric Chemistry of Oxalate: Insight Into the Role of Relative Humidity and Aerosol Acidity From Highâ€Resolution Observation. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	3
40	Development, characterization, and application of an improved online reactive oxygen species analyzer based on the Monitor for AeRosols and Gases in ambient Air (MARGA). Atmospheric Measurement Techniques, 2022, 15, 2623-2633.	1.2	3
41	Growth mechanism and optical property of ZnO nanocrystals synthesized by corrosion of Cuâ€“Zn alloy. Materials Letters, 2014, 117, 231-233.	1.3	2
42	Reduced Graphene Oxide-Based Assay for Real-Time Monitoring of Cancer Cell Viability. Nano, 2015, 10, 1550094.	0.5	0
43	Millepore species-like ultra-long carbon fiber/cobalt nickel and its electrochemical activity. Materials Research Express, 2019, 6, 115621.	0.8	0