

Yan-Yan Zhang

List of Publications by Citations

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43
papers

1,170
citations

16
h-index

34
g-index

59
ext. papers

1,582
ext. citations

9
avg. IF

4.48
L-index

#	Paper	IF	Citations
43	Real-time mass spectrometric characterization of the solid-electrolyte interphase of a lithium-ion battery. <i>Nature Nanotechnology</i> , 2020 , 15, 224-230	28.7	156
42	A Mechanically Robust Conducting Polymer Network Electrode for Efficient Flexible Perovskite Solar Cells. <i>Joule</i> , 2019 , 3, 2205-2218	27.8	111
41	Interfacial Passivation for Perovskite Solar Cells: The Effects of the Functional Group in Phenethylammonium Iodide. <i>ACS Energy Letters</i> , 2019 , 4, 2913-2921	20.1	97
40	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. <i>Nature Communications</i> , 2020 , 11, 3016	17.4	86
39	Advances in Toxicological Research of the Anticancer Drug Cisplatin. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1469-1486	4	80
38	Electrochemiluminescence Resonance Energy Transfer Between CdS:Eu Nanocrystals and Au Nanorods for Sensitive DNA Detection. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17773-17780	3.8	74
37	Silver Nanoclusters for High-Efficiency Quenching of CdS Nanocrystal Electrochemiluminescence and Sensitive Detection of microRNA. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26307-14	9.5	65
36	Efficient quenching of electrochemiluminescence from K-doped graphene-CdS:Eu NCs by G-quadruplex-hemin and target recycling-assisted amplification for ultrasensitive DNA biosensing. <i>Chemical Communications</i> , 2013 , 49, 2246-8	5.8	64
35	In situ activation of CdS electrochemiluminescence film and its application in HB detection. <i>Analytical Chemistry</i> , 2014 , 86, 8657-64	7.8	54
34	Controlled synthesis of highly-branched plasmonic gold nanoparticles through peptoid engineering. <i>Nature Communications</i> , 2018 , 9, 2327	17.4	47
33	Incorporating CsF into the PbI ₂ Film for Stable Mixed Cation-Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1901726	21.8	38
32	In Situ Mass Spectrometric Monitoring of the Dynamic Electrochemical Process at the Electrode-Electrolyte Interface: a SIMS Approach. <i>Analytical Chemistry</i> , 2017 , 89, 960-965	7.8	37
31	Additive-Assisted Hot-Casting Free Fabrication of DionJacobson 2D Perovskite Solar Cell with Efficiency Beyond 16%. <i>Solar Rrl</i> , 2020 , 4, 2000087	7.1	32
30	Does interfacial photochemistry play a role in the photolysis of pyruvic acid in water?. <i>Atmospheric Environment</i> , 2018 , 191, 36-45	5.3	22
29	Potential-Dynamic Surface Chemistry Controls the Electrocatalytic Processes of Ethanol Oxidation on Gold Surfaces. <i>ACS Energy Letters</i> , 2019 , 4, 215-221	20.1	20
28	Investigation of Ion-Solvent Interactions in Nonaqueous Electrolytes Using in Situ Liquid SIMS. <i>Analytical Chemistry</i> , 2018 , 90, 3341-3348	7.8	19
27	A Biomimetic Self-Shield Interface for Flexible Perovskite Solar Cells with Negligible Lead Leakage. <i>Advanced Functional Materials</i> , 2016 , 26, 2106460	15.6	16

26	Discovery of Cisplatin Binding to Thymine and Cytosine on a Single-Stranded Oligodeoxynucleotide by High Resolution FT-ICR Mass Spectrometry. <i>Molecules</i> , 2019 , 24,	4.8	15
25	In Situ Liquid Secondary Ion Mass Spectrometry: A Surprisingly Soft Ionization Process for Investigation of Halide Ion Hydration. <i>Analytical Chemistry</i> , 2019 , 91, 7039-7046	7.8	14
24	ToF-SIMS characterization of glyoxal surface oxidation products by hydrogen peroxide: A comparison between dry and liquid samples. <i>Surface and Interface Analysis</i> , 2018 , 50, 927-938	1.5	13
23	Characterization of syntrophic Geobacter communities using ToF-SIMS. <i>Biointerphases</i> , 2017 , 12, 05G6011.8	1.8	13
22	Enhanced Anodic Electrochemiluminescence from Co ²⁺ -Doped CdSe Nanocrystals for Alkaline Phosphatase Assay. <i>Electroanalysis</i> , 2013 , 25, 951-958	3	12
21	An investigation of the beam damage effect on in situ liquid secondary ion mass spectrometry analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 2035-2042	2.2	12
20	Direct Molecular Evidence of Proton Transfer and Mass Dynamics at the Electrode-Electrolyte Interface. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 251-258	6.4	10
19	Dual-function interface engineering for efficient perovskite solar cells. <i>EcoMat</i> , 2021 , 3, e12092	9.4	9
18	Proteomic Strategy for Identification of Proteins Responding to Cisplatin-Damaged DNA. <i>Analytical Chemistry</i> , 2019 , 91, 6035-6042	7.8	7
17	A Bionic Interface to Suppressing the Coffee-ring Effect for Reliable and Flexible Perovskite Modules with a near 90% Yield Rate.. <i>Advanced Materials</i> , 2022 , e2201840	24	7
16	Reducing Open-Circuit Voltage Deficit in Perovskite Solar Cells via Surface Passivation with Phenylhydroxylammonium Halide Salts.. <i>Small Methods</i> , 2021 , 5, e2000441	12.8	6
15	Visualization of Proteins in Single Cells by Time-of-Flight-Secondary Ion Mass Spectrometry Coupled with Genetically Encoded Chemical Tags. <i>Analytical Chemistry</i> , 2020 , 92, 15517-15525	7.8	5
14	Cisplatin-induced alteration on membrane composition of A549 cells revealed by ToF-SIMS. <i>Surface and Interface Analysis</i> , 2020 , 52, 256-263	1.5	4
13	Nanoscale imaging of alteration layers of corroded international simple glass particles using ToF-SIMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 404, 45-51	1.2	3
12	Additive-Assisted Hot-Casting Free Fabrication of DionJacobson 2D Perovskite Solar Cell with Efficiency Beyond 16%. <i>Solar Rrl</i> , 2020 , 4, 2070074	7.1	3
11	Atmospheric particulate characterization by ToF-SIMS in an urban site in Beijing. <i>Atmospheric Environment</i> , 2020 , 220, 117090	5.3	3
10	Real-Time Characterization of the Fine Structure and Dynamics of an Electrical Double Layer at Electrode-Electrolyte Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5279-5285	6.4	3
9	Mechanistic Insight into Royal Protein Inhibiting the Gram-Positive Bacteria. <i>Biomolecules</i> , 2021 , 11,	5.9	3

8	Fluorescence live cell imaging revealed wogonin targets mitochondria. <i>Talanta</i> , 2021 , 230, 122328	6.2	3
7	Single cell imaging reveals cisplatin regulating interactions between transcription (co)factors and DNA. <i>Chemical Science</i> , 2021 , 12, 5419-5429	9.4	2
6	G-quadruplex inducer/stabilizer pyridostatin targets SUB1 to promote cytotoxicity of a transplatinum complex.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	2
5	Nanoscale imaging of hydrogen and sodium in alteration layers of corroded glass using ToF-SIMS: Is an auxiliary sputtering ion beam necessary?. <i>Surface and Interface Analysis</i> , 2019 , 51, 219-225	1.5	1
4	Molecular Examination of Ion-Pair Competition in Alkaline Aluminate Solutions Using In Situ Liquid SIMS. <i>Analytical Chemistry</i> , 2021 , 93, 1068-1075	7.8	1
3	ToF-SIMS analysis of chemical composition of atmospheric aerosols in Beijing. <i>Surface and Interface Analysis</i> , 2020 , 52, 272-282	1.5	0
2	LA-ICP-MS bioimaging demonstrated disturbance of metal ions in the brain of Parkinson disease model mouse undergoing manganese-enhanced MRI.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	0
1	ToF-SIMS characterization of surface chemical evolution on electrode surfaces educed by electrochemical activation. <i>Journal of Analytical Atomic Spectrometry</i> , 2022 , 37, 890-897	3.7	