

Anyin Li

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,099
citations

471509

17
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	Triboelectric nanogenerators for sensitive nano-coulomb molecular mass spectrometry. <i>Nature Nanotechnology</i> , 2017, 12, 481-487.	31.5	254
2	Paper spray ionization of polar analytes using non-polar solvents. <i>Chemical Communications</i> , 2011, 47, 2811.	4.1	99
3	Synthesis and Catalytic Reactions of Nanoparticles formed by Electrospray Ionization of Coinage Metals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3147-3150.	13.8	88
4	Direct analysis of 4-methylimidazole in foods using paper spray mass spectrometry. <i>Analyst, The</i> , 2013, 138, 4624.	3.5	62
5	Analysis of Polycyclic Aromatic Hydrocarbons Using Desorption Atmospheric Pressure Chemical Ionization Coupled to a Portable Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 271-280.	2.8	57
6	A paradigm shift fully self-powered long-distance wireless sensing solution enabled by discharge-induced displacement current. <i>Science Advances</i> , 2021, 7, eabi6751.	10.3	50
7	On-Demand Ambient Ionization of Picoliter Samples Using Charge Pulses. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6893-6895.	13.8	49
8	Using Ambient Ion Beams to Write Nanostructured Patterns for Surface Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12528-12531.	13.8	45
9	Hand-Held Portable Desorption Atmospheric Pressure Chemical Ionization Ion Source for <i>in Situ</i> Analysis of Nitroaromatic Explosives. <i>Analytical Chemistry</i> , 2015, 87, 10047-10055.	6.5	42
10	In situ analysis of corrosion inhibitors using a portable mass spectrometer with paper spray ionization. <i>Analyst, The</i> , 2013, 138, 3740.	3.5	40
11	Peptide Cross-Linking at Ambient Surfaces by Reactions of Nanosprayed Molecular Cations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9417-9421.	13.8	38
12	Atmospheric Pressure Drift Tube Ion Mobility-Orbitrap Mass Spectrometry: Initial Performance Characterization. <i>Analytical Chemistry</i> , 2017, 89, 11301-11309.	6.5	30
13	Metallic Nanobrushes Made using Ambient Droplet Sprays. <i>Advanced Materials</i> , 2016, 28, 2223-2228.	21.0	27
14	Hydrocarbon analysis using desorption atmospheric pressure chemical ionization. <i>International Journal of Mass Spectrometry</i> , 2013, 345-347, 80-88.	1.5	21
15	Robotic Surface Analysis Mass Spectrometry (RoSA-MS) of Three-Dimensional Objects. <i>Analytical Chemistry</i> , 2018, 90, 3981-3986.	6.5	21
16	Triboelectric nanogenerator (TENG) mass spectrometry of falsified antimalarials. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1585-1590.	1.5	19
17	Nucleophilic Addition of Nitrogen to Aryl Cations: Mimicking Titan Chemistry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1745-1754.	2.8	18
18	Conversion of Ethanol via C-C Splitting on Noble Metal Surfaces in Room-Temperature Liquid-Phase. <i>Journal of the American Chemical Society</i> , 2019, 141, 9444-9447.	13.7	15

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19	Sizing sub-diffraction limit electrosprayed droplets by structured illumination microscopy. <i>Analyst, The</i> , 2018, 143, 232-240.	3.5	13
20	Nested-channel for on-demand alternation between electrospray ionization regimes. <i>Chemical Science</i> , 2021, 12, 1907-1914.	7.4	10
21	Measurement of the Proton Affinities of a Series of Mono- and Biradicals of Pyridine. <i>Journal of the American Chemical Society</i> , 2020, 142, 8679-8687.	13.7	9
22	Density of Surface States: Another Key Contributing Factor in Triboelectric Charge Generation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5355-5362.	8.0	9
23	Conducting and characterizing femto flow electrospray ionization. <i>Analyst, The</i> , 2022, 147, 1071-1075.	3.5	9
24	Compositional characterization of complex proteopeptide libraries via triboelectric nanogenerator Orbitrap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1293-1300.	1.5	8
25	Femtoamp and picoamp modes of electrospray and paper spray ionization. <i>International Journal of Mass Spectrometry</i> , 2021, 469, 116696.	1.5	6
26	Aerosol Vacuum-Assisted Plasma Ionization (Aero-VaPI) Coupled to Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 635-639.	2.8	4