Lee Chuin Chen

List of Publications by Year
in descending order

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53 papers	1,157 citations	430874 18 h-index	414414 32 g-index
53 all docs	53 docs citations	53 times ranked	678 citing authors

#	Article	IF	Citations
1	Generation of Ions from Aqueous Taylor Cones near the Minimum Flow Rate: â€œTrue Nanoelectrosprayâ€• without Narrow Capillary. Journal of the American Society for Mass Spectrometry, 2022, 33, 491-498.	2.8	9
2	High-pressure nanoESI of highly conductive volatile and non-volatile buffer solutions from a large Taylor cone: Effect of spray current on charge state distribution. International Journal of Mass Spectrometry, 2022, 476, 116845.	1.5	8
3	Highâ€pressure ESIâ€MS made easy using a plugâ€andâ€play ion source and its application to highly conductive aqueous solutions. Journal of Mass Spectrometry, 2021, 56, e4583.	1.6	1
4	Miniaturized String Sampling Probe and Electrospray Extraction/Ionization within the Ion Inlet Tube for Mass Spectrometric Endoscopy. Journal of the American Society for Mass Spectrometry, 2021, 32, 606-610.	2.8	5
5	Electrospray based Mass Spectrometry. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2021, 72, 162-168.	0.2	0
6	Electrospray Ionization Inside the Ion Inlet Tube: Multijet Mode Operation. Journal of the American Society for Mass Spectrometry, 2021, 32, 1821-1828.	2.8	1
7	A Plug-and-Play High-Pressure ESI Source with an Emitter at Ground Potential and Its Application to High-Temperature Capillary LC-MS. Journal of the American Society for Mass Spectrometry, 2020, 31, 1015-1018.	2.8	8
8	High-Temperature Liquid Chromatography and the Hyphenation with Mass Spectrometry Using High-Pressure Electrospray Ionization. Mass Spectrometry, 2019, 8, S0079-S0079.	0.6	8
9	Real-time analysis of living animals and rapid screening of human fluid samples using remote sampling electrospray ionization mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2019, 172, 372-378.	2.8	6
10	Probe electrospray ionization of mixture solutions using metal needles with different tip conditions. Surface and Interface Analysis, 2019, 51, 100-104.	1.8	2
11	Electrospray ionization source with a rear extractor. Journal of Mass Spectrometry, 2018, 53, 400-407.	1.6	7
12	Analytical characteristics of nano-electrospray operated under super-atmospheric pressure. Analytica Chimica Acta, 2018, 1021, 78-84.	5.4	4
13	Hyphenation of high-temperature liquid chromatography with high-pressure electrospray ionization for subcritical water LC-ESI-MS. Analyst, The, 2018, 143, 5552-5558.	3.5	14
14	Relative secondary ion yields produced by vacuum-type electrospray droplet ion beams. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 03F134.	1.2	10
15	In vivo endoscopic mass spectrometry using a moving string sampling probe. Analyst, The, 2017, 142, 2735-2740.	3.5	12
16	Pulsed probe electrospray and nano-electrospray: the temporal profiles of ion formation from the Taylor cone. Analytical Methods, 2017, 9, 4958-4963.	2.7	7
17	Towards Practical Endoscopic Mass Spectrometry. Mass Spectrometry, 2017, 6, S0070-S0070.	0.6	2
18	Nitrogen incorporation in saturated aliphatic C6â€“C8 hydrocarbons and ethanol in lowâ€pressure nitrogen plasma generated by a hollow cathode discharge ion source. Journal of Mass Spectrometry, 2016, 51, 446-452.	1.6	6

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19	Superâ€atmospheric pressure ionization mass spectrometry and its application to ultrafast online protein digestion analysis. Journal of Mass Spectrometry, 2016, 51, 396-411.	1.6	17
20	Lowâ€pressure barrier discharge ion source using air as a carrier gas and its application to the analysis of drugs and explosives. Journal of Mass Spectrometry, 2016, 51, 132-140.	1.6	17
21	Secondary ions produced by electrospray droplet impact with m/z selection from 103 to 106. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, 03H116.	1.2	6
22	Mass spectrometric monitoring of oxidation of aliphatic C6â€“C8 hydrocarbons and ethanol in low pressure oxygen and air plasmas. Journal of Mass Spectrometry, 2016, 51, 1187-1195.	1.6	10
23	Probe Electrospray Ionization Mass Spectrometry with Discontinuous Atmospheric Pressure Interface. European Journal of Mass Spectrometry, 2015, 21, 327-334.	1.0	20
24	Development of Non-proximate Probe Electrospray Ionization for Real-Time Analysis of Living Animal. Mass Spectrometry, 2015, 3, S0048-S0048.	0.6	11
25	Detection of explosives using a hollow cathode discharge ion source. Rapid Communications in Mass Spectrometry, 2015, 29, 601-610.	1.5	18
26	Rapid Online Non-Enzymatic Protein Digestion Analysis with High Pressure Superheated ESI-MS. Journal of the American Society for Mass Spectrometry, 2015, 26, 1085-1091.	2.8	13
27	Super-Atmospheric Pressure Ion Sources: Application and Coupling to API Mass Spectrometer. Mass Spectrometry, 2014, 3, S0024-S0024.	0.6	6
28	High Pressure Super-Heated Electrospray Ionization Mass Spectrometry for Sub-Critical Aqueous Solution. Journal of the American Society for Mass Spectrometry, 2014, 25, 1862-1869.	2.8	20
29	Realizing nano electrospray ionization using disposable pipette tips under super atmospheric pressure. Analyst, The, 2014, 139, 610-617.	3.5	25
30	Evaluation of a diode laserâ€assisted vacuumâ€type charged droplet beam source. Surface and Interface Analysis, 2014, 46, 364-367.	1.8	7
31	Characteristics of Charged Droplet Beams Produced from Vacuum Electrospray. Journal of Surface Analysis (Online), 2014, 20, 171-176.	0.1	8
32	Development of a highâ€performance electrospray droplet beam source. Surface and Interface Analysis, 2013, 45, 126-130.	1.8	10
33	High pressure nanoelectrospray ionization mass spectrometry for analysis of aqueous solutions. Analyst, The, 2013, 138, 6316.	3.5	23
34	Development of highâ€pressure probe electrospray ionization for aqueous solution. Rapid Communications in Mass Spectrometry, 2013, 27, 68-74.	1.5	18
35	Superâ€atmospheric pressure chemical ionization mass spectrometry. Journal of Mass Spectrometry, 2013, 48, 392-398.	1.6	14
36	Trace Level Detection of Explosives in Solution Using Leidenfrost Phenomenon Assisted Thermal Desorption Ambient Mass Spectrometry. Mass Spectrometry, 2013, 2, S0008-S0008.	0.6	30

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37	Analysis of Renal Cell Carcinoma as a First Step for Developing Mass Spectrometry-Based Diagnostics. Journal of the American Society for Mass Spectrometry, 2012, 23, 1741-1749.	2.8	61
38	Nonâ€vacuum field desorption ion source implemented under superâ€atmospheric pressure. Journal of Mass Spectrometry, 2012, 47, 1083-1089.	1.6	13
39	Vacuum electrospray of volatile liquids assisted by infrared laser irradiation. Rapid Communications in Mass Spectrometry, 2012, 26, 863-869.	1.5	35
40	Real-time analysis of living animals by electrospray ionization mass spectrometry. Analytical Biochemistry, 2011, 417, 195-201.	2.4	38
41	Super-Atmospheric Pressure Electrospray Ion Source: Applied to Aqueous Solution. Journal of the American Society for Mass Spectrometry, 2011, 22, 2108-2114.	2.8	27
42	High Pressure (>1Âatm) Electrospray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2011, 22, 539-544.	2.8	43
43	Sequential and Exhaustive Ionization of Analytes with Different Surface Activity by Probe Electrospray Ionization. Journal of the American Society for Mass Spectrometry, 2011, 22, 1493-1500.	2.8	65
44	Development of ambient sampling chemi/chemical ion source with dielectric barrier discharge. Journal of Mass Spectrometry, 2010, 45, 861-869.	1.6	34
45	Development of a Remote-from-Plasma Dielectric Barrier Discharge Ion Source and Its Application to Explosives. Journal of the Mass Spectrometry Society of Japan, 2010, 58, 215-220.	0.1	15
46	Detection of biomolecules from solutions with high concentration of salts using probe electrospray and nano-electrospray ionization mass spectrometry. Analytical Methods, 2010, 2, 1905.	2.7	76
47	Vapor phase detection of hydrogen peroxide with ambient sampling chemi/chemical ionization mass spectrometry. Analytical Methods, 2010, 2, 897.	2.7	18
48	Physical properties of the probe electrospray ionization (PESI) needle applied to the biological samples. Journal of Mass Spectrometry, 2009, 44, 978-985.	1.6	59
49	Ambient imaging mass spectrometry by electrospray ionization using solid needle as sampling probe. Journal of Mass Spectrometry, 2009, 44, 1469-1477.	1.6	105
50	Rapid detection of drugs in biofluids using atmospheric pressure chemi/chemical ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 333-339.	1.5	26
51	Application of probe electrospray to direct ambient analysis of biological samples. Rapid Communications in Mass Spectrometry, 2008, 22, 2366-2374.	1.5	66
52	Characteristics of Probe Electrospray Generated from a Solid Needle. Journal of Physical Chemistry B, 2008, 112, 11164-11170.	2.6	79
53	Matrixâ€assisted laser desorption/ionization mass spectrometry using a visible laser. Rapid Communications in Mass Spectrometry, 2007, 21, 4129-4134.	1.5	14