

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	Ambient imaging mass spectrometry by electrospray ionization using solid needle as sampling probe. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1469-1477.	1.6	105
2	Characteristics of Probe Electrospray Generated from a Solid Needle. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11164-11170.	2.6	79
3	Detection of biomolecules from solutions with high concentration of salts using probe electrospray and nano-electrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2010, 2, 1905.	2.7	76
4	Application of probe electrospray to direct ambient analysis of biological samples. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2366-2374.	1.5	66
5	Sequential and Exhaustive Ionization of Analytes with Different Surface Activity by Probe Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1493-1500.	2.8	65
6	Analysis of Renal Cell Carcinoma as a First Step for Developing Mass Spectrometry-Based Diagnostics. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1741-1749.	2.8	61
7	Physical properties of the probe electrospray ionization (PESI) needle applied to the biological samples. <i>Journal of Mass Spectrometry</i> , 2009, 44, 978-985.	1.6	59
8	High Pressure (>1Åatm) Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 539-544.	2.8	43
9	Real-time analysis of living animals by electrospray ionization mass spectrometry. <i>Analytical Biochemistry</i> , 2011, 417, 195-201.	2.4	38
10	Vacuum electrospray of volatile liquids assisted by infrared laser irradiation. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 863-869.	1.5	35
11	Development of ambient sampling chemi/chemical ion source with dielectric barrier discharge. <i>Journal of Mass Spectrometry</i> , 2010, 45, 861-869.	1.6	34
12	Trace Level Detection of Explosives in Solution Using Leidenfrost Phenomenon Assisted Thermal Desorption Ambient Mass Spectrometry. <i>Mass Spectrometry</i> , 2013, 2, S0008-S0008.	0.6	30
13	Super-Atmospheric Pressure Electrospray Ion Source: Applied to Aqueous Solution. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 2108-2114.	2.8	27
14	Rapid detection of drugs in biofluids using atmospheric pressure chemi/chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 333-339.	1.5	26
15	Realizing nano electrospray ionization using disposable pipette tips under super atmospheric pressure. <i>Analyst, The</i> , 2014, 139, 610-617.	3.5	25
16	High pressure nanoelectrospray ionization mass spectrometry for analysis of aqueous solutions. <i>Analyst, The</i> , 2013, 138, 6316.	3.5	23
17	High Pressure Super-Heated Electrospray Ionization Mass Spectrometry for Sub-Critical Aqueous Solution. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1862-1869.	2.8	20
18	Probe Electrospray Ionization Mass Spectrometry with Discontinuous Atmospheric Pressure Interface. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 327-334.	1.0	20

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19	Vapor phase detection of hydrogen peroxide with ambient sampling chemi/chemical ionization mass spectrometry. <i>Analytical Methods</i> , 2010, 2, 897.	2.7	18
20	Development of high-pressure probe electrospray ionization for aqueous solution. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 68-74.	1.5	18
21	Detection of explosives using a hollow cathode discharge ion source. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 601-610.	1.5	18
22	Super-atmospheric pressure ionization mass spectrometry and its application to ultrafast online protein digestion analysis. <i>Journal of Mass Spectrometry</i> , 2016, 51, 396-411.	1.6	17
23	Low-pressure barrier discharge ion source using air as a carrier gas and its application to the analysis of drugs and explosives. <i>Journal of Mass Spectrometry</i> , 2016, 51, 132-140.	1.6	17
24	Development of a Remote-from-Plasma Dielectric Barrier Discharge Ion Source and Its Application to Explosives. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2010, 58, 215-220.	0.1	15
25	Matrix-assisted laser desorption/ionization mass spectrometry using a visible laser. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 4129-4134.	1.5	14
26	Super-atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2013, 48, 392-398.	1.6	14
27	Hyphenation of high-temperature liquid chromatography with high-pressure electrospray ionization for subcritical water LC-ESI-MS. <i>Analyst, The</i> , 2018, 143, 5552-5558.	3.5	14
28	Non-vacuum field desorption ion source implemented under super-atmospheric pressure. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1083-1089.	1.6	13
29	Rapid Online Non-Enzymatic Protein Digestion Analysis with High Pressure Superheated ESI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1085-1091.	2.8	13
30	In vivo endoscopic mass spectrometry using a moving string sampling probe. <i>Analyst, The</i> , 2017, 142, 2735-2740.	3.5	12
31	Development of Non-proximate Probe Electrospray Ionization for Real-Time Analysis of Living Animal. <i>Mass Spectrometry</i> , 2015, 3, S0048-S0048.	0.6	11
32	Development of a high-performance electrospray droplet beam source. <i>Surface and Interface Analysis</i> , 2013, 45, 126-130.	1.8	10
33	Mass spectrometric monitoring of oxidation of aliphatic C ₆ -C ₈ hydrocarbons and ethanol in low pressure oxygen and air plasmas. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1187-1195.	1.6	10
34	Relative secondary ion yields produced by vacuum-type electrospray droplet ion beams. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, 03F134.	1.2	10
35	Generation of Ions from Aqueous Taylor Cones near the Minimum Flow Rate: "True Nano-electrospray" without Narrow Capillary. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 491-498.	2.8	9
36	High-Temperature Liquid Chromatography and the Hyphenation with Mass Spectrometry Using High-Pressure Electrospray Ionization. <i>Mass Spectrometry</i> , 2019, 8, S0079-S0079.	0.6	8

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37	A Plug-and-Play High-Pressure ESI Source with an Emitter at Ground Potential and Its Application to High-Temperature Capillary LC-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1015-1018.	2.8	8
38	Characteristics of Charged Droplet Beams Produced from Vacuum Electrospray. <i>Journal of Surface Analysis (Online)</i> , 2014, 20, 171-176.	0.1	8
39	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. <i>International Journal of Mass Spectrometry</i> , 2022, 476, 116845.	1.5	8
40	Evaluation of a diode laser-assisted vacuum-type charged droplet beam source. <i>Surface and Interface Analysis</i> , 2014, 46, 364-367.	1.8	7
41	Pulsed probe electrospray and nano-electrospray: the temporal profiles of ion formation from the Taylor cone. <i>Analytical Methods</i> , 2017, 9, 4958-4963.	2.7	7
42	Electrospray ionization source with a rear extractor. <i>Journal of Mass Spectrometry</i> , 2018, 53, 400-407.	1.6	7
43	Super-Atmospheric Pressure Ion Sources: Application and Coupling to API Mass Spectrometer. <i>Mass Spectrometry</i> , 2014, 3, S0024-S0024.	0.6	6
44	Nitrogen incorporation in saturated aliphatic C6-C8 hydrocarbons and ethanol in low-pressure nitrogen plasma generated by a hollow cathode discharge ion source. <i>Journal of Mass Spectrometry</i> , 2016, 51, 446-452.	1.6	6
45	Secondary ions produced by electrospray droplet impact with m/z selection from 103 to 106. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, 03H116.	1.2	6
46	Real-time analysis of living animals and rapid screening of human fluid samples using remote sampling electrospray ionization mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 372-378.	2.8	6
47	Miniaturized String Sampling Probe and Electrospray Extraction/Ionization within the Ion Inlet Tube for Mass Spectrometric Endoscopy. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 606-610.	2.8	5
48	Analytical characteristics of nano-electrospray operated under super-atmospheric pressure. <i>Analytica Chimica Acta</i> , 2018, 1021, 78-84.	5.4	4
49	Probe electrospray ionization of mixture solutions using metal needles with different tip conditions. <i>Surface and Interface Analysis</i> , 2019, 51, 100-104.	1.8	2
50	Towards Practical Endoscopic Mass Spectrometry. <i>Mass Spectrometry</i> , 2017, 6, S0070-S0070.	0.6	2
51	High-pressure ESI-MS made easy using a plug-and-play ion source and its application to highly conductive aqueous solutions. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4583.	1.6	1
52	Electrospray Ionization Inside the Ion Inlet Tube: Multijet Mode Operation. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1821-1828.	2.8	1
53	Electrospray based Mass Spectrometry. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2021, 72, 162-168.	0.2	0