

Tiina J Kauppila

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,760
citations

218677

26
h-index

189892

50
g-index

52
all docs

52
docs citations

52
times ranked

2252
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of eluent on the ionization process in liquid chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 685-699.	3.7	339
2	Atmospheric Pressure Photoionization Mass Spectrometry. Ionization Mechanism and the Effect of Solvent on the Ionization of Naphthalenes. <i>Analytical Chemistry</i> , 2002, 74, 5470-5479.	6.5	273
3	Desorption Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2007, 79, 7867-7872.	6.5	224
4	Desorption electrospray ionization mass spectrometry for the analysis of pharmaceuticals and metabolites. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 387-392.	1.5	147
5	Negative ion-atmospheric pressure photoionization-mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 203-211.	2.8	138
6	Anisole, a new dopant for atmospheric pressure photoionization mass spectrometry of low proton affinity, low ionization energy compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 808-815.	1.5	131
7	Rapid analysis of metabolites and drugs of abuse from urine samples by desorption electrospray ionization-mass spectrometry. <i>Analyst</i> , 2007, 132, 868.	3.5	115
8	Recent developments in atmospheric pressure photoionization–mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2017, 36, 423-449.	5.4	95
9	New surfaces for desorption electrospray ionization mass spectrometry: porous silicon and ultra-thin layer chromatography plates. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2143-2150.	1.5	94
10	Microchip technology in mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2009, 29, n/a-n/a.	5.4	94
11	Infrared Laser Ablation Atmospheric Pressure Photoionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 1630-1636.	6.5	69
12	Effect of the Solvent Flow Rate on the Ionization Efficiency in Atmospheric Pressure Photoionization-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1399-1407.	2.8	65
13	Analysis of lipids with desorption atmospheric pressure photoionization–mass spectrometry (DAPPI–MS) and desorption electrospray ionization–mass spectrometry (DESI–MS). <i>Journal of Mass Spectrometry</i> , 2012, 47, 611-619.	1.6	61
14	Direct analysis of illicit drugs by desorption atmospheric pressure photoionization. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 979-985.	1.5	58
15	Desorption and Ionization Mechanisms in Desorption Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2008, 80, 7460-7466.	6.5	56
16	Tissue–specific study across the stem reveals the chemistry and transcriptome dynamics of birch bark. <i>New Phytologist</i> , 2019, 222, 1816-1831.	7.3	56
17	Matrix effect in the analysis of drugs of abuse from urine with desorption atmospheric pressure photoionization-mass spectrometry (DAPPI-MS) and desorption electrospray ionization-mass spectrometry (DESI-MS). <i>Analytica Chimica Acta</i> , 2011, 699, 73-80.	5.4	53
18	Atmospheric Pressure Photoionization-Mass Spectrometry with a Microchip Heated Nebulizer. <i>Analytical Chemistry</i> , 2004, 76, 6797-6801.	6.5	50

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19	Environmental and food analysis by desorption atmospheric pressure photoionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1343-1350.	1.5	49
20	Desorption atmospheric pressure photoionization mass spectrometry in routine analysis of confiscated drugs. <i>Forensic Science International</i> , 2011, 210, 206-212.	2.2	49
21	The Ionization Mechanisms in Direct and Dopant-Assisted Atmospheric Pressure Photoionization and Atmospheric Pressure Laser Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1870-1881.	2.8	43
22	Gas chromatography/mass spectrometry of polychlorinated biphenyls using atmospheric pressure chemical ionization and atmospheric pressure photoionization microchips. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 425-431.	1.5	42
23	Are Clusters Important in Understanding the Mechanisms in Atmospheric Pressure Ionization? Part 1: Reagent Ion Generation and Chemical Control of Ion Populations. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1310-1321.	2.8	38
24	Analysis of street market confiscated drugs by desorption atmospheric pressure photoionization and desorption electrospray ionization coupled with mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1401-1404.	1.5	37
25	Desorption atmospheric pressure photoionization and direct analysis in real time coupled with travelling wave ion mobility mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2325-2336.	1.5	33
26	Simultaneous Detection of Nonpolar and Polar Compounds by Heat-Assisted Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 177-184.	6.5	27
27	Ambient mass spectrometry in the analysis of compounds of low polarity. <i>Analytical Methods</i> , 2017, 9, 4936-4953.	2.7	27
28	Laser ablation atmospheric pressure photoionization mass spectrometry imaging of phytochemicals from sage leaves. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2490-2496.	1.5	26
29	Carbohydrate and steroid analysis by desorption electrospray ionization mass spectrometry. <i>Chemical Communications</i> , 2008, , 2674.	4.1	25
30	Charge Exchange Reaction in Dopant-Assisted Atmospheric Pressure Chemical Ionization and Atmospheric Pressure Photoionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1291-1300.	2.8	24
31	Ionization of EPA Contaminants in Direct and Dopant-Assisted Atmospheric Pressure Photoionization and Atmospheric Pressure Laser Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1036-1045.	2.8	20
32	Direct analysis of cannabis samples by desorption atmospheric pressure photoionization mass spectrometry. <i>Drug Testing and Analysis</i> , 2013, 5, 186-190.	2.6	18
33	Thin-Layer Chromatography/Desorption Atmospheric Pressure Photoionization Orbitrap Mass Spectrometry of Lipids. <i>Analytical Chemistry</i> , 2016, 88, 12279-12286.	6.5	18
34	Comparison of Direct and Alternating Current Vacuum Ultraviolet Lamps in Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2012, 84, 1408-1415.	6.5	16
35	The detection and mapping of the spatial distribution of insect defense compounds by desorption atmospheric pressure photoionization Orbitrap mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 886, 91-97.	5.4	16
36	A Simple Method for Improving the Spatial Resolution in Infrared Laser Ablation Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1060-1065.	2.8	15

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37	Sub-100 nm Spatial Resolution Ambient Mass Spectrometry Imaging of Rodent Brain with Laser Ablation Atmospheric Pressure Photoionization (LAAPPI) and Laser Ablation Electrospray Ionization (LAESI). <i>Analytical Chemistry</i> , 2020, 92, 13734-13741.	6.5	15
38	Analysis of neonicotinoids from plant material by desorption atmospheric pressure photoionization-mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 424-430.	1.5	13
39	Feasibility of desorption atmospheric pressure photoionization and desorption electrospray ionization mass spectrometry to monitor urinary steroid metabolites during pregnancy. <i>Analytica Chimica Acta</i> , 2015, 880, 84-92.	5.4	12
40	Profiling of Coumarins in <i>Peucedanum palustre</i> (L.) Moench Populations Growing in Finland. <i>Chemistry and Biodiversity</i> , 2016, 13, 700-709.	2.1	12
41	Solvent Jet Desorption Capillary Photoionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 3280-3285.	6.5	11
42	Solid Sampling with a Diode Laser for Portable Ambient Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 7297-7301.	6.5	11
43	Chemical profiles of birch and alder bark by ambient mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7573-7583.	3.7	10
44	Desorption atmospheric pressure photoionization high-resolution mass spectrometry: a complementary approach for the chemical analysis of atmospheric aerosols. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1233-1241.	1.5	8
45	Transmission mode desorption atmospheric pressure photoionization. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 585-592.	1.5	7
46	Separation of isomeric amines with ion mobility spectrometry. <i>Talanta</i> , 2015, 132, 889-893.	5.5	7
47	Ionspray microchip. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2584-2590.	1.5	6
48	Nucleophilic Aromatic Substitution Between Halogenated Benzene Dopants and Nucleophiles in Atmospheric Pressure Photoionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 422-431.	2.8	3
49	Desorption Atmospheric Pressure Photoionization Coupled with Ion Mobility-Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2020, 2084, 223-233.	0.9	2
50	Direct analysis of <i>Peucedanum palustre</i> samples by desorption atmospheric pressure photoionization-mass spectrometry. <i>Phytochemistry Letters</i> , 2017, 20, 49-53.	1.2	1
51	Ambient Mass Spectrometry: Food and Environmental Applications. , 2015, , 271-323.		0