

# Risto K Kostiainen

## List of Publications by Year in descending order

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239  
papers

10,406  
citations

31902

53  
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51492

86  
g-index

243  
all docs

243  
docs citations

243  
times ranked

8955  
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-resolution mass spectrometer to measure atmospheric ion composition. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1039-1053.	1.2	436
2	Quantitative determination of phospholipid compositions by ESI-MS: effects of acyl chain length, unsaturation, and lipid concentration on instrument response. <i>Journal of Lipid Research</i> , 2001, 42, 663-672.	2.0	371
3	Effect of eluent on the ionization process in liquid chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 685-699.	1.8	339
4	Liquid chromatography/atmospheric pressure ionization-mass spectrometry in drug metabolism studies. <i>Journal of Mass Spectrometry</i> , 2003, 38, 357-372.	0.7	320
5	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.	3.2	273
6	Desorption Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2007, 79, 7867-7872.	3.2	224
7	Liquid chromatography/mass spectrometry in anabolic steroid analysis? optimization and comparison of three ionization techniques: electrospray ionization, atmospheric pressure chemical ionization and atmospheric pressure photoionization. <i>Journal of Mass Spectrometry</i> , 2002, 37, 693-698.	0.7	176
8	Effect of eluent on the ionization efficiency of flavonoids by ion spray, atmospheric pressure chemical ionization, and atmospheric pressure photoionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1269-1280.	0.7	159
9	Desorption electrospray ionization mass spectrometry for the analysis of pharmaceuticals and metabolites. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 387-392.	0.7	147
10	Negative ion-atmospheric pressure photoionization-mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 203-211.	1.2	138
11	Introduction to micro-analytical systems: bioanalytical and pharmaceutical applications. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 20, 149-171.	1.9	137
12	Expression and Characterization of Recombinant Human UDP-glucuronosyltransferases (UGTs). <i>Journal of Biological Chemistry</i> , 2003, 278, 3536-3544.	1.6	134
13	Electrospray Encapsulation of Hydrophilic and Hydrophobic Drugs in Poly(L-lactic acid) Nanoparticles. <i>Small</i> , 2009, 5, 1791-1798.	5.2	134
14	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.	0.7	131
15	Rapid analysis of metabolites and drugs of abuse from urine samples by desorption electrospray ionization-mass spectrometry. <i>Analyst</i> , 2007, 132, 868.	1.7	115
16	Electrospray mass and tandem mass spectrometry identification of ozone oxidation products of amino acids and small peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 526-535.	1.2	110
17	Comparison of Electrospray, Atmospheric Pressure Chemical Ionization, and Atmospheric Pressure Photoionization in the Identification of Apomorphine, Dobutamine, and Entacapone Phase II Metabolites in Biological Samples. <i>Analytical Chemistry</i> , 2002, 74, 3449-3457.	3.2	104
18	Analysis of acetylcholine and choline in microdialysis samples by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2950-2956.	0.7	100

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19	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.	0.7	94
20	Microchip technology in mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2009, 29, n/a-n/a.	2.8	94
21	Electrospray and atmospheric pressure chemical ionization tandem mass spectrometric behavior of eight anabolic steroid glucuronides. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 722-730.	1.2	93
22	Characterization of SU-8 for electrokinetic microfluidic applications. <i>Lab on A Chip</i> , 2005, 5, 888.	3.1	93
23	Screening of free 17-alkyl-substituted anabolic steroids in human urine by liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Steroids</i> , 2004, 69, 101-109.	0.8	92
24	GLUCURONIDATION OF ANABOLIC ANDROGENIC STEROIDS BY RECOMBINANT HUMAN UDP-GLUCURONOSYLTRANSFERASES. <i>Drug Metabolism and Disposition</i> , 2003, 31, 1117-1124.	1.7	90
25	Feasibility of a liquid-phase microextraction sample clean-up and liquid chromatographic/mass spectrometric screening method for selected anabolic steroid glucuronides in biological samples. <i>Journal of Mass Spectrometry</i> , 2003, 38, 16-26.	0.7	88
26	Development of LC/MS/MS Methods for Cocktail Dosed Caco-2 Samples Using Atmospheric Pressure Photoionization and Electrospray Ionization. <i>Analytical Chemistry</i> , 2003, 75, 5969-5977.	3.2	87
27	KINETIC CHARACTERIZATION OF THE 1A SUBFAMILY OF RECOMBINANT HUMAN UDP-GLUCURONOSYLTRANSFERASES. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1017-1026.	1.7	85
28	Poly(dimethylsiloxane) electrospray devices fabricated with diamond-like carbon-poly(dimethylsiloxane) coated SU-8 masters. <i>Lab on A Chip</i> , 2003, 3, 67-72.	3.1	83
29	Separation of steroid isomers by ion mobility mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1310, 133-137.	1.8	81
30	Aryl-Propionamide-Derived Selective Androgen Receptor Modulators: Liquid Chromatography-Tandem Mass Spectrometry Characterization of the in Vitro Synthesized Metabolites for Doping Control Purposes. <i>Drug Metabolism and Disposition</i> , 2008, 36, 571-581.	1.7	71
31	Identification of degradation products of some chemical warfare agents by capillary electrophoresis-ion spray mass spectrometry. <i>Journal of Chromatography A</i> , 1993, 634, 113-118.	1.8	70
32	Mass Spectrometric Analysis Reveals an Increase in Plasma Membrane Polyunsaturated Phospholipid Species upon Cellular Cholesterol Loading. <i>Biochemistry</i> , 2001, 40, 14635-14644.	1.2	70
33	Analysis of Intact Glucuronides and Sulfates of Serotonin, Dopamine, and Their Phase I Metabolites in Rat Brain Microdialysates by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 8417-8425.	3.2	69
34	Infrared Laser Ablation Atmospheric Pressure Photoionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 1630-1636.	3.2	69
35	Effects of nebulizing and drying gas flow on capillary electrophoresis/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1562-1568.	0.7	68
36	Automated Ambient Desorption-Ionization Platform for Surface Imaging Integrated with a Commercial Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. <i>Analytical Chemistry</i> , 2009, 81, 8479-8487.	3.2	67

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37	Discovery of Dopamine Glucuronide in Rat and Mouse Brain Microdialysis Samples Using Liquid Chromatography Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 427-434.	3.2	67
38	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.	1.2	65
39	Molecular Atlas of Postnatal Mouse Heart Development. <i>Journal of the American Heart Association</i> , 2018, 7, e010378.	1.6	65
40	Comparison of different amino acid derivatives and analysis of rat brain microdialysates by liquid chromatography tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2009, 633, 223-231.	2.6	64
41	High-performance liquid chromatographic determination of oligomeric procyanidins from dimers up to the hexamer in hawthorn. <i>Journal of Chromatography A</i> , 2002, 968, 53-60.	1.8	63
42	Fractionation of polyphenols in hawthorn into polymeric procyanidins, phenolic acids and flavonoids prior to high-performance liquid chromatographic analysis. <i>Journal of Chromatography A</i> , 2006, 1112, 103-111.	1.8	63
43	Analysis of small molecules by ultra thin-layer chromatography-atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 906-915.	1.2	61
44	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.	0.7	61
45	Effect of Solvent on Dynamic Range and Sensitivity in Pneumatically-assisted Electrospray (Ion Spray) Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1393-1399.	0.7	58
46	Direct analysis of illicit drugs by desorption atmospheric pressure photoionization. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 979-985.	0.7	58
47	Microchip Atmospheric Pressure Chemical Ionization Source for Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 6659-6664.	3.2	57
48	Fully Microfabricated and Integrated SU-8-Based Capillary Electrophoresis-Electrospray Ionization Microchips for Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 9135-9144.	3.2	56
49	Desorption and Ionization Mechanisms in Desorption Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2008, 80, 7460-7466.	3.2	56
50	Glass microfabricated nebulizer chip for mass spectrometry. <i>Lab on A Chip</i> , 2007, 7, 644.	3.1	55
51	Liquid chromatographic-mass spectrometric analysis of glucuronide-conjugated anabolic steroid metabolites: method validation and interlaboratory comparison. <i>Journal of Mass Spectrometry</i> , 2008, 43, 965-973.	0.7	55
52	Analysis of catecholamines by capillary electrophoresis and capillary electrophoresis-nanospray mass spectrometry. <i>Journal of Chromatography A</i> , 2002, 979, 179-189.	1.8	54
53	Polycyclic aromatic hydrocarbon (PAH) metabolizing enzyme activities in human lung, and their inducibility by exposure to naphthalene, phenanthrene, pyrene, chrysene, and benzo(a)pyrene as shown in the rat lung and liver. <i>Archives of Toxicology</i> , 2007, 81, 169-182.	1.9	54
54	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.	2.6	53

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55	Determination of Serotonin and Dopamine Metabolites in Human Brain Microdialysis and Cerebrospinal Fluid Samples by UPLC-MS/MS: Discovery of Intact Glucuronide and Sulfate Conjugates. PLoS ONE, 2013, 8, e68007.	1.1	53
56	Delivery and stability of LHRH and Nafarelin in human skin: the effect of constant/pulsed iontophoresis. European Journal of Pharmaceutical Sciences, 2004, 21, 371-377.	1.9	51
57	Prominent but Reverse Stereoselectivity in Propranolol Glucuronidation by Human UDP-Glucuronosyltransferases 1A9 and 1A10. Drug Metabolism and Disposition, 2006, 34, 1488-1494.	1.7	51
58	Atmospheric Pressure Photoionization-Mass Spectrometry with a Microchip Heated Nebulizer. Analytical Chemistry, 2004, 76, 6797-6801.	3.2	50
59	Re-usable multi-inlet PDMS fluidic connector. Sensors and Actuators B: Chemical, 2006, 114, 552-557.	4.0	50
60	Atmospheric pressure photoionization-mass spectrometry and atmospheric pressure chemical ionization-mass spectrometry of neurotransmitters. Journal of Mass Spectrometry, 2006, 41, 781-789.	0.7	50
61	Two-Dimensional Ultra-Thin-Layer Chromatography and Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry in Bioanalysis. Analytical Chemistry, 2007, 79, 2101-2108.	3.2	50
62	The human UDP-glucuronosyltransferase UGT1A3 is highly selective towards N2 in the tetrazole ring of losartan, candesartan, and zolarsartan. Biochemical Pharmacology, 2008, 76, 763-772.	2.0	50
63	Dopamine Is a Low-Affinity and High-Specificity Substrate for the Human UDP-Glucuronosyltransferase 1A10. Drug Metabolism and Disposition, 2009, 37, 768-775.	1.7	50
64	Liquid-phase microextraction for sample preparation in analysis of unconjugated anabolic steroids in urine. Analytica Chimica Acta, 2006, 559, 166-172.	2.6	49
65	Environmental and food analysis by desorption atmospheric pressure photoionization-mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 1343-1350.	0.7	49
66	Desorption atmospheric pressure photoionization-mass spectrometry in routine analysis of confiscated drugs. Forensic Science International, 2011, 210, 206-212.	1.3	49
67	DNA damage induced by the environmental carcinogen butadiene: identification of a diepoxybutane-adenine adduct and its detection by 32P-postlabelling. Carcinogenesis, 1994, 15, 1903-1910.	1.3	48
68	Isolation and identification of oligomeric procyanidins from Crataegus leaves and flowers. Phytochemistry, 2002, 60, 821-825.	1.4	48
69	Rapid and sensitive drug metabolism studies by SU-8 microchip capillary electrophoresis-electrospray ionization mass spectrometry. Journal of Chromatography A, 2011, 1218, 739-745.	1.8	48
70	Drosophila FoxO Regulates Organism Size and Stress Resistance through an Adenylate Cyclase. Molecular and Cellular Biology, 2009, 29, 5357-5365.	1.1	47
71	Implementation of droplet-membrane-droplet liquid-phase microextraction under stagnant conditions for lab-on-a-chip applications. Analytica Chimica Acta, 2010, 658, 133-140.	2.6	47
72	LC-MS-MS identification of albendazole and flubendazole metabolites formed ex vivo by Haemonchus contortus. Analytical and Bioanalytical Chemistry, 2008, 391, 337-343.	1.9	46

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73	Enzyme-assisted synthesis and structure characterization of glucuronide conjugates of eleven anabolic steroid metabolites. <i>Steroids</i> , 2008, 73, 257-265.	0.8	46
74	Analysis of Volatile Organic Compounds in Water and Soil Samples by Purge-and-Membrane Mass Spectrometry. <i>Analytical Chemistry</i> , 1998, 70, 3028-3032.	3.2	45
75	Microchip for Combining Gas Chromatography or Capillary Liquid Chromatography with Atmospheric Pressure Photoionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 4994-4999.	3.2	44
76	Fabrication and fluidic characterization of silicon micropillar array electrospray ionization chip. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 380-387.	4.0	44
77	Characterization of the in vitro metabolic profile of amlodipine in rat using liquid chromatography-mass spectrometry. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 33, 91-99.	1.9	44
78	Feasibility of atmospheric pressure desorption/ionization on silicon mass spectrometry in analysis of drugs. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1339-1343.	0.7	43
79	Analysis of amphetamines and fentanyls by atmospheric pressure desorption/ionization on silicon mass spectrometry and matrix-assisted laser desorption/ionization mass spectrometry and its application to forensic analysis of drug seizures. <i>Journal of Mass Spectrometry</i> , 2005, 40, 539-545.	0.7	43
80	Silicon micropillar array electrospray chip for drug and biomolecule analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3677-3682.	0.7	43
81	Effect of multiple sprayers on dynamic range and flow rate limitations in electrospray and ionspray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 549-558.	0.7	42
82	The interactions between the N-terminal and C-terminal domains of the human UDP-glucuronosyltransferases are partly isoform-specific, and may involve both monomers. <i>Biochemical Pharmacology</i> , 2004, 68, 2443-2450.	2.0	42
83	Development of an ion mobility spectrometer for use in an atmospheric pressure ionization ion mobility spectrometer/mass spectrometer instrument for fast screening analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 3131-3139.	0.7	42
84	Fabrication of enclosed SU-8 tips for electrospray ionization-mass spectrometry. <i>Electrophoresis</i> , 2005, 26, 4691-4702.	1.3	42
85	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.	0.7	42
86	A microfabricated micropillar liquid chromatographic chip monolithically integrated with an electrospray ionization tip. <i>Lab on A Chip</i> , 2012, 12, 325-332.	3.1	42
87	Microchip capillary electrophoresis-electrospray ionization-mass spectrometry of intact proteins using uncoated Ormocomp microchips. <i>Analytica Chimica Acta</i> , 2012, 711, 69-76.	2.6	42
88	Rapid identification and quantitation of compounds with forensic interest using fast liquid chromatography-ion trap mass spectrometry and library searching. <i>Journal of Chromatography A</i> , 2003, 994, 93-102.	1.8	41
89	Preparation of porous n-type silicon sample plates for desorption/ionization on silicon mass spectrometry (DIOS-MS). <i>Lab on A Chip</i> , 2002, 2, 247-253.	3.1	40
90	Determination of Steroids and Their Intact Glucuronide Conjugates in Mouse Brain by Capillary Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 3168-3175.	3.2	40

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91	BluB/CobT2 fusion enzyme activity reveals mechanisms responsible for production of active form of vitamin B12 by <i>Propionibacterium freudenreichii</i> . <i>Microbial Cell Factories</i> , 2015, 14, 186.	1.9	40
92	Feasibility of different mass spectrometric techniques and programs for automated metabolite profiling of tramadol in human urine. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2081-2090.	0.7	39
93	Preparation, characterization and <sup>32</sup> P-postlabeling of butadiene monoepoxide N6-adenine adducts. <i>Carcinogenesis</i> , 1995, 16, 2999-3007.	1.3	38
94	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.	1.2	38
95	Enzyme-Assisted Synthesis and Structure Characterization of Glucuronide Conjugates of Methyltestosterone (17 $\beta$ -methylandrosta-4-en-17 $\beta$ -ol-3-one) and Nandrolone (estr-4-en-17 $\beta$ -ol-3-one) Metabolites. <i>Bioconjugate Chemistry</i> , 2002, 13, 194-199.	1.8	37
96	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.	0.7	37
97	Butadiene monoxide and deoxyguanosine alkylation products at the N7-position. <i>Carcinogenesis</i> , 1995, 16, 1809-1813.	1.3	36
98	Analysis of bisphosphonates by capillary electrophoresis-electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 872, 289-298.	1.8	36
99	N-in-one permeability studies of heterogeneous sets of compounds across Caco-2 cell monolayers. <i>Pharmaceutical Research</i> , 2003, 20, 187-197.	1.7	36
100	Gas Chromatography-Microchip Atmospheric Pressure Chemical Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 3027-3031.	3.2	36
101	Performance of SU-8 Microchips as Separation Devices and Comparison with Glass Microchips. <i>Analytical Chemistry</i> , 2007, 79, 6255-6263.	3.2	36
102	Evaluation of cocktail approach to standardise Caco-2 permeability experiments. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006, 64, 379-387.	2.0	35
103	Analysis of (dichloromethylene) bisphosphonate in urine by capillary gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1989, 7, 1623-1629.	1.4	33
104	Analysis of Volatile Organic Sulfur Compounds in Air by Membrane Inlet Mass Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 4536-4539.	3.2	33
105	Effect of the eluent on enantiomer separation of controlled drugs by liquid chromatography-ultraviolet absorbance detection-electrospray ionisation tandem mass spectrometry using vancomycin and native $\beta$ -cyclodextrin chiral stationary phases. <i>Journal of Chromatography A</i> , 2004, 1033, 91-99.	1.8	33
106	Separation of nucleobases, nucleosides, and nucleotides using two zwitterionic silica-based monolithic capillary columns coupled with tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1373, 90-96.	1.8	33
107	Enzyme-assisted synthesis and characterization of glucuronide conjugates of neuroactive steroids. <i>Steroids</i> , 2007, 72, 287-296.	0.8	32
108	Capillary liquid chromatography-microchip atmospheric pressure chemical ionization-mass spectrometry. <i>Lab on A Chip</i> , 2006, 6, 948-953.	3.1	31

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109	Simple Coupling of Gas Chromatography to Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 8334-8339.	3.2	31
110	Integration of Fully Microfabricated, Three-Dimensionally Sharp Electrospray Ionization Tips with Microfluidic Glass Chips. <i>Analytical Chemistry</i> , 2012, 84, 8973-8979.	3.2	31
111	Analysis of oxysterols and vitamin D metabolites in mouse brain and cell line samples by ultra-high-performance liquid chromatography-atmospheric pressure photoionization-mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1364, 214-222.	1.8	31
112	Hybrid Ceramic Polymers: New, Nonbiofouling, and Optically Transparent Materials for Microfluidics. <i>Analytical Chemistry</i> , 2010, 82, 3874-3882.	3.2	30
113	Identification of trichothecenes by thermospray, plasmaspray and dynamic fast-atom bombardment liquid chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1991, 562, 555-562.	1.7	29
114	Analysis of anabolic steroids in urine by gas chromatography-microchip atmospheric pressure photoionization-mass spectrometry with chlorobenzene as dopant. <i>Journal of Chromatography A</i> , 2013, 1312, 111-117.	1.8	29
115	Comparison of TiO <sub>2</sub> photocatalysis, electrochemically assisted Fenton reaction and direct electrochemistry for simulation of phase I metabolism reactions of drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 83, 36-44.	1.9	29
116	A Microfabricated Nebulizer for Liquid Vaporization in Chemical Analysis. <i>Journal of Microelectromechanical Systems</i> , 2006, 15, 1251-1259.	1.7	28
117	Integrated liquid chromatography-heated nebulizer microchip for mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 662, 163-169.	2.6	28
118	Feasibility of gas chromatography-microchip atmospheric pressure photoionization-mass spectrometry in analysis of anabolic steroids. <i>Journal of Chromatography A</i> , 2010, 1217, 8290-8297.	1.8	28
119	Enzyme-assisted synthesis and structure characterization of glucuronic acid conjugates of losartan, candesartan, and zolarsartan. <i>Bioorganic Chemistry</i> , 2008, 36, 148-155.	2.0	27
120	Microchip Atmospheric Pressure Photoionization for Analysis of Petroleum by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 2799-2803.	3.2	27
121	Glucuronidation of racemic O-desmethyltramadol, the active metabolite of tramadol. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 523-530.	1.9	27
122	Feasibility of SU <sub>8</sub> -based capillary electrophoresis-electrospray ionization mass spectrometry microfluidic chips for the analysis of human cell lysates. <i>Electrophoresis</i> , 2010, 31, 3745-3753.	1.3	27
123	Simultaneous Detection of Nonpolar and Polar Compounds by Heat-Assisted Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 177-184.	3.2	27
124	Capillary Photoionization: A High Sensitivity Ionization Method for Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 5715-5719.	3.2	27
125	Ambient mass spectrometry in the analysis of compounds of low polarity. <i>Analytical Methods</i> , 2017, 9, 4936-4953.	1.3	27
126	Direct analysis of nitrocatechol-type glucuronides in urine by capillary electrophoresis-electrospray ionisation mass spectrometry and tandem mass spectrometry. <i>Biomedical Applications</i> , 2000, 749, 253-263.	1.7	26



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127	Quantitation of entacapone glucuronide in rat plasma by on-line coupled restricted access media column and liquid chromatography-tandem mass spectrometry. <i>Biomedical Applications</i> , 2001, 759, 227-236.	1.7	26
128	Multiphase Designer Droplets for Liquid-Liquid Extraction. <i>Advanced Materials</i> , 2012, 24, 6240-6243.	11.1	26
129	Laser ablation atmospheric pressure photoionization mass spectrometry imaging of phytochemicals from sage leaves. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2490-2496.	0.7	26
130	Detection of volatile organic sulfur compounds in water by headspace gas chromatography and membrane inlet mass spectrometry. <i>Journal of High Resolution Chromatography</i> , 1997, 20, 165-169.	2.0	25
131	Purge-and-Membrane Mass Spectrometry, A Screening Method for Analysis of VOCs from Soil Samples. <i>Analytical Chemistry</i> , 2001, 73, 3624-3631.	3.2	25
132	Carbohydrate and steroid analysis by desorption electrospray ionization mass spectrometry. <i>Chemical Communications</i> , 2008, , 2674.	2.2	25
133	Integrated photocatalytic micropillar nanoreactor electrospray ionization chip for mimicking phase I metabolic reactions. <i>Lab on A Chip</i> , 2011, 11, 1470.	3.1	25
134	Metabolite profile of sibutramine in human urine: a liquid chromatography-electrospray ionization mass spectrometric study. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1171-1178.	0.7	24
135	Regioselective sulfonation of dopamine by SULT1A3 in vitro provides a molecular explanation for the preponderance of dopamine-3-O-sulfate in human blood circulation. <i>Biochemical Pharmacology</i> , 2007, 74, 504-510.	2.0	24
136	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.	1.2	24
137	Identification of trichothecenes by frit-fast atom bombardment liquid chromatography-high-resolution mass spectrometry. <i>Journal of Chromatography A</i> , 1991, 538, 323-330.	1.8	23
138	Minimum proton affinity for efficient ionization with atmospheric pressure desorption/ionization on silicon mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3669-3673.	0.7	23
139	Oxidation of Tyrosine-Phosphopeptides by Titanium Dioxide Photocatalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 7452-7455.	6.6	23
140	Spatial Distribution of Glycerophospholipids in the Ocular Lens. <i>PLoS ONE</i> , 2011, 6, e19441.	1.1	23
141	Capillary zone electrophoresis-ion spray mass spectrometry of a synthetic drug-protein conjugate mixture. <i>Journal of Chromatography A</i> , 1993, 647, 361-365.	1.8	22
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