

Risto K Kostiainen

List of Publications by Year in descending order

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239
papers

10,406
citations

31976

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51608

86
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243
all docs

243
docs citations

243
times ranked

8955
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft X-ray Atmospheric Pressure Photoionization in Liquid Chromatography–Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 9309-9313.	6.5	2
2	Multiplexed analysis of amino acids in mice brain microdialysis samples using isobaric labeling and liquid chromatography-high resolution tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1656, 462537.	3.7	5
3	Mass Spectrometry Imaging of <i>Arabidopsis thaliana</i> Leaves at the Single-Cell Level by Infrared Laser Ablation Atmospheric Pressure Photoionization (LAAPPI). <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2895-2903.	2.8	8
4	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
5	Molecular profile of the rat peri-infarct region four days after stroke: Study with MANF. <i>Experimental Neurology</i> , 2020, 329, 113288.	4.1	18
6	Targeted Clinical Metabolite Profiling Platform for the Stratification of Diabetic Patients. <i>Metabolites</i> , 2019, 9, 184.	2.9	22
7	Comparison of liquid chromatography-mass spectrometry and direct infusion microchip electrospray ionization mass spectrometry in global metabolomics of cell samples. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 138, 104991.	4.0	8
8	Rapid analysis of intraperitoneally administered morphine in mouse plasma and brain by microchip electrophoresis-electrochemical detection. <i>Scientific Reports</i> , 2019, 9, 3311.	3.3	13
9	Capillary photoionization: interface for low flow rate liquid chromatography-mass spectrometry. <i>Analyst</i> , 2019, 144, 2867-2871.	3.5	3
10	Analysis of steroids in urine by gas chromatography-capillary photoionization-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1598, 175-182.	3.7	10
11	TiO ₂ Photocatalyzed Oxidation of Drugs Studied by Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 639-646.	2.8	12
12	Molecular Atlas of Postnatal Mouse Heart Development. <i>Journal of the American Heart Association</i> , 2018, 7, e010378.	3.7	65
13	P85 Combined transcriptomics, proteomics and metabolomics analysis identifies metabolic pathways associated with the loss of cardiac regeneration. <i>Cardiovascular Research</i> , 2018, 114, S22-S23.	3.8	1
14	Impact of Pore Size and Surface Chemistry of Porous Silicon Particles and Structure of Phospholipids on Their Interactions. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2308-2313.	5.2	21
15	Feasibility of ultra-performance liquid chromatography–ion mobility–time-of-flight mass spectrometry in analyzing oxysterols. <i>Journal of Chromatography A</i> , 2017, 1487, 147-152.	3.7	17
16	Ambient mass spectrometry in the analysis of compounds of low polarity. <i>Analytical Methods</i> , 2017, 9, 4936-4953.	2.7	27
17	Thiol–ene micropillar array electrospray ionization platform for zeptomole level bioanalysis. <i>Analyst</i> , 2017, 142, 2552-2557.	3.5	5
18	TiO ₂ Photocatalysis–DESI-MS Rotating Array Platform for High-Throughput Investigation of Oxidation Reactions. <i>Analytical Chemistry</i> , 2017, 89, 11214-11218.	6.5	7

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19	Thin-Layer Chromatography/Desorption Atmospheric Pressure Photoionization Orbitrap Mass Spectrometry of Lipids. <i>Analytical Chemistry</i> , 2016, 88, 12279-12286.	6.5	18
20	Oxidation of Tyrosine-Phosphopeptides by Titanium Dioxide Photocatalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 7452-7455.	13.7	23
21	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
22	Comparison of TiO ₂ 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.	4.0	29
23	Rapid separation of phosphopeptides by microchip electrophoresis–electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1440, 249-254.	3.7	15
24	Shape–anchored porous polymer monoliths for integrated online solid–phase extraction–microchip electrophoresis–electrospray ionization mass spectrometry. <i>Electrophoresis</i> , 2015, 36, 428-432.	2.4	18
25	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.	4.0	40
26	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
27	Transmission mode desorption atmospheric pressure photoionization. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 585-592.	1.5	7
28	Permeation of Dopamine Sulfate through the Blood-Brain Barrier. <i>PLoS ONE</i> , 2015, 10, e0133904.	2.5	14
29	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
30	Interfacing microchip isoelectric focusing with on-chip electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1398, 121-126.	3.7	13
31	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
32	Solvent Jet Desorption Capillary Photoionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 3280-3285.	6.5	11
33	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
34	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.	3.7	33
35	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
36	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.	3.7	31

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37	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
38	Imitation of phase I oxidative metabolism of anabolic steroids by titanium dioxide photocatalysis. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 65, 45-55.	4.0	15
39	Neurosteroid analysis by gas chromatography-atmospheric pressure photoionization-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 794, 76-81.	5.4	16
40	Steroid and steroid glucuronide profiles in urine during pregnancy determined by liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 802, 56-66.	5.4	12
41	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.	3.7	29
42	Separation of steroid isomers by ion mobility mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1310, 133-137.	3.7	81
43	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
44	Capillary Photoionization: A High Sensitivity Ionization Method for Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 5715-5719.	6.5	27
45	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. <i>PLoS ONE</i> , 2013, 8, e68007.	2.5	53
46	Infrared Laser Ablation Atmospheric Pressure Photoionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 1630-1636.	6.5	69
47	Integration of Fully Microfabricated, Three-Dimensionally Sharp Electrospray Ionization Tips with Microfluidic Glass Chips. <i>Analytical Chemistry</i> , 2012, 84, 8973-8979.	6.5	31
48	Multiphase Designer Droplets for Liquid-Liquid Extraction. <i>Advanced Materials</i> , 2012, 24, 6240-6243.	21.0	26
49	Comparison of Direct and Alternating Current Vacuum Ultraviolet Lamps in Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2012, 84, 1408-1415.	6.5	16
50	A microfabricated micropillar liquid chromatographic chip monolithically integrated with an electrospray ionization tip. <i>Lab on A Chip</i> , 2012, 12, 325-332.	6.0	42
51	Microchip capillary electrophoresis-electrospray ionization-mass spectrometry of intact proteins using uncoated Ormocomp microchips. <i>Analytica Chimica Acta</i> , 2012, 711, 69-76.	5.4	42
52	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
53	Rotating multitip micropillar array electrospray ionization-mass spectrometry for rapid analysis and high-throughput screening. <i>International Journal of Mass Spectrometry</i> , 2012, 310, 65-71.	1.5	6
54	Integrated photocatalytic micropillar nanoreactor electrospray ionization chip for mimicking phase I metabolic reactions. <i>Lab on A Chip</i> , 2011, 11, 1470.	6.0	25

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55	A microfabricated silicon platform with 60 microfluidic chips for rapid mass spectrometric analysis. <i>Lab on A Chip</i> , 2011, 11, 3011.	6.0	16
56	Desorption atmospheric pressure photoionization mass spectrometry in routine analysis of confiscated drugs. <i>Forensic Science International</i> , 2011, 210, 206-212.	2.2	49
57	Rapid and sensitive drug metabolism studies by SU-8 microchip capillary electrophoresis-electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 739-745.	3.7	48
58	Feasibility of capillary liquid chromatography microchip-atmospheric pressure photoionization mass spectrometry for pesticide analysis in tomato. <i>Analytica Chimica Acta</i> , 2011, 696, 77-83.	5.4	22
59	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
60	Microfabricated electrospray ionization platform with 60 tips for high throughput mass spectrometric analyses. , 2011, , .		0
61	Spatial Distribution of Glycerophospholipids in the Ocular Lens. <i>PLoS ONE</i> , 2011, 6, e19441.	2.5	23
62	Integrated liquid chromatography heated nebulizer microchip for mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 662, 163-169.	5.4	28
63	Glucuronidation of racemic O-desmethyltramadol, the active metabolite of tramadol. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 523-530.	4.0	27
64	Dynamic coating of SU-8 microfluidic chips with phospholipid disks. <i>Electrophoresis</i> , 2010, 31, 2566-2574.	2.4	11
65	Feasibility of SU-8 based capillary electrophoresis electro-spray ionization mass spectrometry microfluidic chips for the analysis of human cell lysates. <i>Electrophoresis</i> , 2010, 31, 3745-3753.	2.4	27
66	Analysis of selective androgen receptor modulators by gas chromatography-microchip atmospheric pressure photoionization-mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 310-316.	2.8	21
67	Implementation of droplet-membrane-droplet liquid-phase microextraction under stagnant conditions for lab-on-a-chip applications. <i>Analytica Chimica Acta</i> , 2010, 658, 133-140.	5.4	47
68	Desorption atmospheric pressure photoionization with polydimethylsiloxane as extraction phase and sample plate material. <i>Analytica Chimica Acta</i> , 2010, 682, 1-8.	5.4	13
69	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.	3.7	28
70	Feasibility of capillary liquid chromatography/microchip atmospheric pressure photoionization mass spectrometry in analyzing anabolic steroids in urine samples. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 958-964.	1.5	22
71	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
72	lonspray microchip. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2584-2590.	1.5	6

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73	A high-resolution mass spectrometer to measure atmospheric ion composition. Atmospheric Measurement Techniques, 2010, 3, 1039-1053.	3.1	436
74	Fabrication of nanocluster silicon surface with electric discharge and the application in desorption/ionization on silicon-mass spectrometry. Lab on A Chip, 2010, 10, 1689.	6.0	0
75	Determination of Steroids and Their Intact Glucuronide Conjugates in Mouse Brain by Capillary Liquid Chromatography-Tandem Mass Spectrometry. Analytical Chemistry, 2010, 82, 3168-3175.	6.5	40
76	Hybrid Ceramic Polymers: New, Nonbiofouling, and Optically Transparent Materials for Microfluidics. Analytical Chemistry, 2010, 82, 3874-3882.	6.5	30
77	Drosophila FoxO Regulates Organism Size and Stress Resistance through an Adenylate Cyclase. Molecular and Cellular Biology, 2009, 29, 5357-5365.	2.3	47
78	Dopamine Is a Low-Affinity and High-Specificity Substrate for the Human UDP-Glucuronosyltransferase 1A10. Drug Metabolism and Disposition, 2009, 37, 768-775.	3.3	50
79	Microfluidic heated gas jet shape analysis by temperature scanning. Journal of Micromechanics and Microengineering, 2009, 19, 055001.	2.6	14
80	Synthesis, structure characterization, and enzyme screening of clenbuterol glucuronides. European Journal of Pharmaceutical Sciences, 2009, 37, 581-587.	4.0	14
81	Microchip technology in mass spectrometry. Mass Spectrometry Reviews, 2009, 29, n/a-n/a.	5.4	94
82	Discovery of neurosteroid glucuronides in mouse brain. Analytica Chimica Acta, 2009, 651, 69-74.	5.4	10
83	Characterization of metabolites of sibutramine in primary cultures of rat hepatocytes by liquid chromatography-ion trap mass spectrometry. Analytical and Bioanalytical Chemistry, 2009, 393, 1327-1336.	3.7	17
84	Analysis of street market confiscated drugs by desorption atmospheric pressure photoionization and desorption electrospray ionization coupled with mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1401-1404.	1.5	37
85	Atmospheric pressure thermospray ionization using a heated microchip nebulizer. Rapid Communications in Mass Spectrometry, 2009, 23, 3313-3322.	1.5	10
86	Electrospray Encapsulation of Hydrophilic and Hydrophobic Drugs in Poly(L-lactic acid) Nanoparticles. Small, 2009, 5, 1791-1798.	10.0	134
87	Effect of eluent on the ionization process in liquid chromatography-ion trap mass spectrometry. Journal of Chromatography A, 2009, 1216, 685-699.	3.7	339
88	Comparison of different amino acid derivatives and analysis of rat brain microdialysates by liquid chromatography tandem mass spectrometry. Analytica Chimica Acta, 2009, 633, 223-231.	5.4	64
89	Automated Ambient Desorption-Ionization Platform for Surface Imaging Integrated with a Commercial Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. Analytical Chemistry, 2009, 81, 8479-8487.	6.5	67
90	Analysis of Intact Glucuronides and Sulfates of Serotonin, Dopamine, and Their Phase I Metabolites in Rat Brain Microdialysates by Liquid Chromatography-Tandem Mass Spectrometry. Analytical Chemistry, 2009, 81, 8417-8425.	6.5	69

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91	Microchip Atmospheric Pressure Photoionization for Analysis of Petroleum by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 2799-2803.	6.5	27
92	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.	6.5	67
93	LC-MS-MS identification of albendazole and flubendazole metabolites formed ex vivo by <i>Haemonchus contortus</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 337-343.	3.7	46
94	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
95	Direct analysis of illicit drugs by desorption atmospheric pressure photoionization. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 979-985.	1.5	58
96	Analytical characterization of microfabricated SU-8 emitters for electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2008, 43, 726-735.	1.6	18
97	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.	1.6	55
98	Selective Surface Patterning with an Electric Discharge in the Fabrication of Microfluidic Structures. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7442-7445.	13.8	9
99	Fabrication and fluidic characterization of silicon micropillar array electrospray ionization chip. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 380-387.	7.8	44
100	Enzyme-assisted synthesis and structure characterization of glucuronic acid conjugates of losartan, candesartan, and zolarsartan. <i>Bioorganic Chemistry</i> , 2008, 36, 148-155.	4.1	27
101	The human UDP-glucuronosyltransferase UGT1A3 is highly selective towards N2 in the tetrazole ring of losartan, candesartan, and zolarsartan. <i>Biochemical Pharmacology</i> , 2008, 76, 763-772.	4.4	50
102	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.	4.0	44
103	Desorption atmospheric pressure photoionization-mass spectrometry in drug analysis. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 34, S29.	4.0	4
104	Enzyme-assisted synthesis and structure characterization of glucuronide conjugates of eleven anabolic steroid metabolites. <i>Steroids</i> , 2008, 73, 257-265.	1.8	46
105	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.	3.3	71
106	Carbohydrate and steroid analysis by desorption electrospray ionization mass spectrometry. <i>Chemical Communications</i> , 2008, , 2674.	4.1	25
107	Desorption and Ionization Mechanisms in Desorption Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2008, 80, 7460-7466.	6.5	56
108	Simple Coupling of Gas Chromatography to Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 8334-8339.	6.5	31

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109	Application of Silicon Nanowires and Indium Tin Oxide Surfaces in Desorption Electrospray Ionization. <i>European Journal of Mass Spectrometry</i> , 2008, 14, 391-399.	1.0	15
110	Screening of In Vitro Synthesised Metabolites of 4,9,11-Trien-3-One Steroids by Liquid Chromatography-Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2008, 14, 181-189.	1.0	22
111	Interfacing an aspiration ion mobility spectrometer to a triple quadrupole mass spectrometer. <i>Review of Scientific Instruments</i> , 2007, 78, 044101.	1.3	20
112	High Sensitivity Micropillar Electrospray Ionization Chip Fabricated of Silicon. , 2007, , .		1
113	Enzyme-assisted synthesis and characterization of glucuronide conjugates of neuroactive steroids. <i>Steroids</i> , 2007, 72, 287-296.	1.8	32
114	Two-Dimensional Ultra-Thin-Layer Chromatography and Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry in Bioanalysis. <i>Analytical Chemistry</i> , 2007, 79, 2101-2108.	6.5	50
115	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
116	Glass microfabricated nebulizer chip for mass spectrometry. <i>Lab on A Chip</i> , 2007, 7, 644.	6.0	55
117	Microchip Sonic Spray Ionization. <i>Analytical Chemistry</i> , 2007, 79, 3519-3523.	6.5	19
118	Performance of SU-8 Microchips as Separation Devices and Comparison with Glass Microchips. <i>Analytical Chemistry</i> , 2007, 79, 6255-6263.	6.5	36
119	Microchip for Combining Gas Chromatography or Capillary Liquid Chromatography with Atmospheric Pressure Photoionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 4994-4999.	6.5	44
120	Fully Microfabricated and Integrated SU-8-Based Capillary Electrophoresis-Electrospray Ionization Microchips for Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 9135-9144.	6.5	56
121	Desorption Atmospheric Pressure Photoionization. <i>Analytical Chemistry</i> , 2007, 79, 7867-7872.	6.5	224
122	Silicon micropillar array electrospray chip for drug and biomolecule analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3677-3682.	1.5	43
123	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.	4.4	24
124	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.	4.2	54
125	Prominent but Reverse Stereoselectivity in Propranolol Glucuronidation by Human UDP-Glucuronosyltransferases 1A9 and 1A10. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1488-1494.	3.3	51
126	A Microfabricated Nebulizer for Liquid Vaporization in Chemical Analysis. <i>Journal of Microelectromechanical Systems</i> , 2006, 15, 1251-1259.	2.5	28

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127	Capillary liquid chromatography-“microchip atmospheric pressure chemical ionization”-mass spectrometry. Lab on A Chip, 2006, 6, 948-953.	6.0	31
128	Gas Chromatography-Microchip Atmospheric Pressure Chemical Ionization-Mass Spectrometry. Analytical Chemistry, 2006, 78, 3027-3031.	6.5	36
129	Evaluation of cocktail approach to standardise Caco-2 permeability experiments. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 64, 379-387.	4.3	35
130	HPTLC, with UV and MS detection, and preparative-layer chromatography for analysis and purification of synthesis products. Journal of Planar Chromatography - Modern TLC, 2006, 19, 371-377.	1.2	4
131	Desorption electrospray ionization mass spectrometry for the analysis of pharmaceuticals and metabolites. Rapid Communications in Mass Spectrometry, 2006, 20, 387-392.	1.5	147
132	Feasibility of different mass spectrometric techniques and programs for automated metabolite profiling of tramadol in human urine. Rapid Communications in Mass Spectrometry, 2006, 20, 2081-2090.	1.5	39
133	New surfaces for desorption electrospray ionization mass spectrometry: porous silicon and ultra-thin layer chromatography plates. Rapid Communications in Mass Spectrometry, 2006, 20, 2143-2150.	1.5	94
134	Minimum proton affinity for efficient ionization with atmospheric pressure desorption/ionization on silicon mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 3669-3673.	1.5	23
135	Liquid-phase microextraction for sample preparation in analysis of unconjugated anabolic steroids in urine. Analytica Chimica Acta, 2006, 559, 166-172.	5.4	49
136	Fractionation of polyphenols in hawthorn into polymeric procyanidins, phenolic acids and flavonoids prior to high-performance liquid chromatographic analysis. Journal of Chromatography A, 2006, 1112, 103-111.	3.7	63
137	Re-usable multi-inlet PDMS fluidic connector. Sensors and Actuators B: Chemical, 2006, 114, 552-557.	7.8	50
138	Atmospheric pressure photoionization-mass spectrometry and atmospheric pressure chemical ionization-mass spectrometry of neurotransmitters. Journal of Mass Spectrometry, 2006, 41, 781-789.	1.6	50
139	Metabolite profile of sibutramine in human urine: a liquid chromatography-electrospray ionization mass spectrometric study. Journal of Mass Spectrometry, 2006, 41, 1171-1178.	1.6	24
140	Analysis of Steroids by Liquid Chromatography-“ Atmospheric Pressure Photoionization Mass Spectrometry. , 2005, , .		1
141	Analysis of small molecules by ultra thin-layer chromatography-atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 906-915.	2.8	61
142	Effect of the Solvent Flow Rate on the Ionization Efficiency in Atmospheric Pressure Photoionization-Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 1399-1407.	2.8	65
143	Rapid simultaneous determination of metabolic clearance of multiple compounds catalyzed in vitro by recombinant human UDP-glucuronosyltransferases. Analytical Biochemistry, 2005, 341, 105-112.	2.4	7
144	Fabrication of enclosed SU-8 tips for electrospray ionization-mass spectrometry. Electrophoresis, 2005, 26, 4691-4702.	2.4	42

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145	Analysis of amphetamines and fentanyl 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.	1.6	43
146	Fabrication of porous membrane filter from p-type silicon. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 1624-1628.	1.8	19
147	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.	1.5	100
148	KINETIC CHARACTERIZATION OF THE 1A SUBFAMILY OF RECOMBINANT HUMAN UDP-GLUCURONOSYLTRANSFERASES. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1017-1026.	3.3	85
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