

Coral Barbas

List of Publications by Year in descending order

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336
papers

14,561
citations

17405

63
h-index

33814

99
g-index

345
all docs

345
docs citations

345
times ranked

20045
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut microbiota disturbance during antibiotic therapy: a multi-omic approach. <i>Gut</i> , 2013, 62, 1591-1601.	6.1	488
2	Transcription Factor NRF2 as a Therapeutic Target for Chronic Diseases: A Systems Medicine Approach. <i>Pharmacological Reviews</i> , 2018, 70, 348-383.	7.1	441
3	Imbalanced OPA1 processing and mitochondrial fragmentation cause heart failure in mice. <i>Science</i> , 2015, 350, aad0116.	6.0	403
4	Understanding the antimicrobial mechanism of TiO ₂ -based nanocomposite films in a pathogenic bacterium. <i>Scientific Reports</i> , 2014, 4, 4134.	1.6	335
5	Vitamin E: action, metabolism and perspectives. <i>Journal of Physiology and Biochemistry</i> , 2001, 57, 43-56.	1.3	300
6	Metabolomics in cancer biomarker discovery: Current trends and future perspectives. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 87, 1-11.	1.4	284
7	Method validation strategies involved in non-targeted metabolomics. <i>Journal of Chromatography A</i> , 2014, 1353, 99-105.	1.8	267
8	Quality assurance procedures for mass spectrometry untargeted metabolomics. a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 149-173.	1.4	244
9	Antibiotic use and microbiome function. <i>Biochemical Pharmacology</i> , 2017, 134, 114-126.	2.0	240
10	Chromatographic analysis of $\hat{\pm}$ -tocopherol and related compounds in various matrices. <i>Journal of Chromatography A</i> , 2001, 935, 45-69.	1.8	195
11	Bryostatin-1 for latent virus reactivation in HIV-infected patients on antiretroviral therapy. <i>Aids</i> , 2016, 30, 1385-1392.	1.0	167
12	Gas Chromatography-Mass Spectrometry (GC-MS)-Based Metabolomics. <i>Methods in Molecular Biology</i> , 2011, 708, 191-204.	0.4	153
13	Correlative and quantitative ¹ H NMR-based metabolomics reveals specific metabolic pathway disturbances in diabetic rats. <i>Analytical Biochemistry</i> , 2008, 383, 76-84.	1.1	148
14	Renal tubule Cpt1a overexpression protects from kidney fibrosis by restoring mitochondrial homeostasis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	147
15	From sample treatment to biomarker discovery: A tutorial for untargeted metabolomics based on GC-(EI)-Q-MS. <i>Analytica Chimica Acta</i> , 2015, 900, 21-35.	2.6	129
16	Controlling the quality of metabolomics data: new strategies to get the best out of the QC sample. <i>Metabolomics</i> , 2015, 11, 518-528.	1.4	125
17	Validation of a HPLC quantification of acetaminophen, phenylephrine and chlorpheniramine in pharmaceutical formulations: capsules and sachets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 701-714.	1.4	118
18	Missing value imputation strategies for metabolomics data. <i>Electrophoresis</i> , 2015, 36, 3050-3060.	1.3	118

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19	Searching for urine biomarkers of bladder cancer recurrence using a liquid chromatographyâ€“mass spectrometry and capillary electrophoresisâ€“mass spectrometry metabolomics approach. <i>Journal of Chromatography A</i> , 2013, 1318, 163-170.	1.8	117
20	Exploring the human microbiome from multiple perspectives: factors altering its composition and function. <i>FEMS Microbiology Reviews</i> , 2017, 41, 453-478.	3.9	117
21	Metabolic fingerprint of Gestational Diabetes Mellitus. <i>Journal of Proteomics</i> , 2014, 103, 57-71.	1.2	114
22	High-fat diets induce changes in hippocampal glutamate metabolism and neurotransmission. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E396-E402.	1.8	113
23	In vitro effects of a flavonoid-rich extract on LDL oxidation. <i>Atherosclerosis</i> , 1996, 123, 83-91.	0.4	112
24	Capillary electrophoresis-mass spectrometry in food analysis. <i>Electrophoresis</i> , 2005, 26, 1306-1318.	1.3	112
25	Analytical protocols based on LCâ€“MS, GCâ€“MS and CEâ€“MS for nontargeted metabolomics of biological tissues. <i>Bioanalysis</i> , 2014, 6, 1657-1677.	0.6	112
26	Metabolomic profiling of serum in the progression of Alzheimer's disease by capillary electrophoresisâ€“mass spectrometry. <i>Electrophoresis</i> , 2014, 35, 3321-3330.	1.3	105
27	CEU Mass Mediator 3.0: A Metabolite Annotation Tool. <i>Journal of Proteome Research</i> , 2019, 18, 797-802.	1.8	104
28	The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects. <i>Mucosal Immunology</i> , 2017, 10, 1279-1293.	2.7	103
29	Short overview on metabolomics approach to study pathophysiology of oxidative stress in cancer. <i>Redox Biology</i> , 2018, 14, 47-58.	3.9	102
30	Multiplatform Analytical Methodology for Metabolic Fingerprinting of Lung Tissue. <i>Analytical Chemistry</i> , 2013, 85, 10941-10948.	3.2	98
31	Rapid and Reliable Identification of Phospholipids for Untargeted Metabolomics with LCâ€“ESIâ€“QTOFâ€“MS/MS. <i>Journal of Proteome Research</i> , 2015, 14, 3204-3216.	1.8	95
32	In-Vial Dual Extraction for Direct LC-MS Analysis of Plasma for Comprehensive and Highly Reproducible Metabolic Fingerprinting.. <i>Analytical Chemistry</i> , 2012, 84, 5992-5999.	3.2	94
33	Capillary electrophoresis-mass spectrometry of basic proteins using a new physically adsorbed polymer coating. Some applications in food analysis. <i>Electrophoresis</i> , 2004, 25, 2056-2064.	1.3	93
34	Gut Bacteria Metabolism Impacts Immune Recovery in HIV-infected Individuals. <i>EBioMedicine</i> , 2016, 8, 203-216.	2.7	93
35	Low Arachidonic Acid Rather than Î±-Tocopherol Is Responsible for the Delayed Postnatal Development in Offspring of Rats Fed Fish Oil Instead of Olive Oil during Pregnancy and Lactation. <i>Journal of Nutrition</i> , 2000, 130, 2855-2865.	1.3	92
36	Bacterial population and biodegradation potential in chronically crude oil-contaminated marine sediments are strongly linked to temperature. <i>Scientific Reports</i> , 2015, 5, 11651.	1.6	91

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37	Genetically engineered proteins with two active sites for enhanced biocatalysis and synergistic chemo- and biocatalysis. <i>Nature Catalysis</i> , 2020, 3, 319-328.	16.1	90
38	Plasma fingerprinting with GC-MS in acute coronary syndrome. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1517-1524.	1.9	88
39	Capillary electrophoresis as a metabolomics tool for non-targeted fingerprinting of biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 823-831.	1.4	86
40	Development and validation of a capillary electrophoresis method for direct measurement of isocitric, citric, tartaric and malic acids as adulteration markers in orange juice. <i>Journal of Chromatography A</i> , 2000, 881, 395-401.	1.8	85
41	Altered Metabolic and Stemness Capacity of Adipose Tissue-Derived Stem Cells from Obese Mouse and Human. <i>PLoS ONE</i> , 2015, 10, e0123397.	1.1	82
42	Chiral capillary electrophoresis-mass spectrometry of amino acids in foods. <i>Electrophoresis</i> , 2005, 26, 1432-1441.	1.3	81
43	Development and validation of extraction methods for determination of zinc and arsenic speciation in soils using focused ultrasound. <i>Analytica Chimica Acta</i> , 2001, 442, 305-318.	2.6	80
44	Capillary electrophoresis for the analysis of short-chain organic acids in coffee. <i>Journal of Chromatography A</i> , 2004, 1032, 299-304.	1.8	79
45	Multiplatform characterization of dynamic changes in breast milk during lactation. <i>Electrophoresis</i> , 2015, 36, 2269-2285.	1.3	79
46	Metabolomics studies in brain tissue: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 130, 141-168.	1.4	79
47	Knowledge-based metabolite annotation tool: CEU Mass Mediator. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 154, 138-149.	1.4	79
48	Microbial life in the Lake Medee, the largest deep-sea salt-saturated formation. <i>Scientific Reports</i> , 2013, 3, 3554.	1.6	78
49	Low molecular weight organic acids and fatty acids in root exudates of two <i>Lupinus</i> cultivars at flowering and fruiting stages. <i>Phytochemical Analysis</i> , 2001, 12, 305-311.	1.2	77
50	Application of new methodologies based on design of experiments, independent component analysis and design space for robust optimization in liquid chromatography. <i>Analytica Chimica Acta</i> , 2011, 691, 33-42.	2.6	75
51	A review of blood sample handling and pre-processing for metabolomics studies. <i>Electrophoresis</i> , 2017, 38, 2232-2241.	1.3	74
52	Analysis of carboxylic acids in biological fluids by capillary electrophoresis. <i>Electrophoresis</i> , 2005, 26, 2622-2636.	1.3	73
53	Capillary electrophoresis mass spectrometry as a tool for untargeted metabolomics. <i>Bioanalysis</i> , 2017, 9, 99-130.	0.6	72
54	Recent Developments along the Analytical Process for Metabolomics Workflows. <i>Analytical Chemistry</i> , 2020, 92, 203-226.	3.2	72

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55	Metabolic fingerprinting with capillary electrophoresis. <i>Journal of Chromatography A</i> , 2008, 1204, 130-139.	1.8	71
56	A review of validated biomarkers obtained through metabolomics. <i>Expert Review of Molecular Diagnostics</i> , 2018, 18, 557-575.	1.5	71
57	Improving Metabolite Knowledge in Stable Atherosclerosis Patients by Association and Correlation of GC-MS and ¹ H NMR Fingerprints. <i>Journal of Proteome Research</i> , 2009, 8, 5580-5589.	1.8	70
58	Short overview on metabolomic approach and redox changes in psychiatric disorders. <i>Redox Biology</i> , 2018, 14, 178-186.	3.9	70
59	Tocopherol measurement in edible products of vegetable origin. <i>Journal of Chromatography A</i> , 2004, 1054, 227-233.	1.8	69
60	Breast Milk Metabolome Characterization in a Single-Phase Extraction, Multiplatform Analytical Approach. <i>Analytical Chemistry</i> , 2014, 86, 8245-8252.	3.2	69
61	Capillary electrophoresis for short-chain organic acids and inorganic anions in different samples. <i>Electrophoresis</i> , 2003, 24, 1951-1981.	1.3	68
62	Ranking the impact of human health disorders on gut metabolism: Systemic lupus erythematosus and obesity as study cases. <i>Scientific Reports</i> , 2015, 5, 8310.	1.6	68
63	Phagosomal removal of fungal melanin reprograms macrophage metabolism to promote antifungal immunity. <i>Nature Communications</i> , 2020, 11, 2282.	5.8	68
64	A novel glucagon-like peptide 1/glucagon receptor dual agonist improves steatohepatitis and liver regeneration in mice. <i>Hepatology</i> , 2017, 65, 950-968.	3.6	67
65	Capillary electrophoresis for rapid profiling of organic acidurias. <i>Clinical Chemistry</i> , 1998, 44, 1905-1911.	1.5	66
66	Chiral electromigration methods in food analysis. <i>Electrophoresis</i> , 2003, 24, 2431-2441.	1.3	66
67	Flow Cytometry Has a Significant Impact on the Cellular Metabolome. <i>Journal of Proteome Research</i> , 2019, 18, 169-181.	1.8	66
68	From numbers to a biological sense: How the strategy chosen for metabolomics data treatment may affect final results. A practical example based on urine fingerprints obtained by LC-MS. <i>Electrophoresis</i> , 2013, 34, 2812-2826.	1.3	65
69	Enrichment of vitamin E from <i>Spirulina platensis</i> microalga by SFE. <i>Journal of Supercritical Fluids</i> , 2008, 43, 484-489.	1.6	64
70	Multi-analytical platform metabolomic approach to study miltefosine mechanism of action and resistance in <i>Leishmania</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3459-3476.	1.9	64
71	Multi-omics analysis points to altered platelet functions in severe food-associated respiratory allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 2137-2149.	2.7	64
72	Metabolomics as a Tool for Drug Discovery and Personalised Medicine. A Review. <i>Current Topics in Medicinal Chemistry</i> , 2015, 14, 2627-2636.	1.0	64

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73	Ultra rapid liquid chromatography as second dimension in a comprehensive two-dimensional method for the screening of pharmaceutical samples in stability and stress studies. <i>Journal of Chromatography A</i> , 2008, 1190, 182-190.	1.8	63
74	Capillary electrophoresis of glutathione to monitor oxidative stress and response to antioxidant treatments in an animal model. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 822, 61-69.	1.2	62
75	D-serine plasma concentration is a potential biomarker of (R,S)-ketamine antidepressant response in subjects with treatment-resistant depression. <i>Psychopharmacology</i> , 2015, 232, 399-409.	1.5	62
76	Method development and validation for rat serum fingerprinting with CE-MS: application to ventilator-induced-lung-injury study. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4849-4858.	1.9	61
77	A pilot study of plasma metabolomic patterns from patients treated with ketamine for bipolar depression: evidence for a response-related difference in mitochondrial networks. <i>British Journal of Pharmacology</i> , 2014, 171, 2230-2242.	2.7	61
78	Multiplatform plasma fingerprinting in cancer cachexia: a pilot observational and translational study. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 348-357.	2.9	61
79	Metabolomics with LC-QTOF-MS Permits the Prediction of Disease Stage in Aortic Abdominal Aneurysm Based on Plasma Metabolic Fingerprint. <i>PLoS ONE</i> , 2012, 7, e31982.	1.1	61
80	Looking into aqueous humor through metabolomics spectacles – exploring its metabolic characteristics in relation to myopia. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 18-25.	1.4	60
81	Eplerenone attenuated cardiac steatosis, apoptosis and diastolic dysfunction in experimental type-II diabetes. <i>Cardiovascular Diabetology</i> , 2013, 12, 172.	2.7	59
82	Metaproteomics and metabolomics analyses of chronically petroleum-polluted sites reveal the importance of general anaerobic processes uncoupled with degradation. <i>Proteomics</i> , 2015, 15, 3508-3520.	1.3	58
83	Metabolomics analysis of microbiota-gut-brain axis in neurodegenerative and psychiatric diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113681.	1.4	56
84	Metabolomics and neuroanatomical evaluation of post-mortem changes in the hippocampus. <i>Brain Structure and Function</i> , 2017, 222, 2831-2853.	1.2	55
85	Validation of an HPLC method for the quantification of ambroxol hydrochloride and benzoic acid in a syrup as pharmaceutical form stress test for stability evaluation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 24, 1005-1010.	1.4	53
86	Metabolomic Approach with LC-QTOF to Study the Effect of a Nutraceutical Treatment on Urine of Diabetic Rats. <i>Journal of Proteome Research</i> , 2011, 10, 837-844.	1.8	53
87	Ferritin H Deficiency in Myeloid Compartments Dysregulates Host Energy Metabolism and Increases Susceptibility to Mycobacterium tuberculosis Infection. <i>Frontiers in Immunology</i> , 2018, 9, 860.	2.2	53
88	Sensitive Micellar Electrokinetic Chromatography-Laser-Induced Fluorescence Method To Analyze Chiral Amino Acids in Orange Juices. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 5288-5293.	2.4	52
89	CE versus HPLC for the dissolution test in a pharmaceutical formulation containing acetaminophen, phenylephrine and chlorpheniramine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 769-777.	1.4	52
90	Plasma and urine metabolic fingerprinting of type 1 diabetic children. <i>Electrophoresis</i> , 2013, 34, 2882-2890.	1.3	52

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91	Insulin resistance in prepubertal obese children correlates with sex-dependent early onset metabolomic alterations. <i>International Journal of Obesity</i> , 2016, 40, 1494-1502.	1.6	51
92	Metabolic fingerprinting of <i>Schistosoma mansoni</i> infection in mice urine with capillary electrophoresis. <i>Electrophoresis</i> , 2008, 29, 3201-3206.	1.3	50
93	Capillary electrophoresis for short chain organic acids in faeces. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 356-361.	1.4	50
94	Combination of LC-MS- and GC-MS-based Metabolomics to Study the Effect of Ozonated Autohemotherapy on Human Blood. <i>Journal of Proteome Research</i> , 2012, 11, 6231-6241.	1.8	50
95	CE-ESI-MS metabolic fingerprinting of <i>L. eishmania</i> resistance to antimony treatment. <i>Electrophoresis</i> , 2012, 33, 1901-1910.	1.3	50
96	<i>Clostridium difficile</i> heterogeneously impacts intestinal community architecture but drives stable metabolome responses. <i>ISME Journal</i> , 2015, 9, 2206-2220.	4.4	50
97	HIV infection results in metabolic alterations in the gut microbiota different from those induced by other diseases. <i>Scientific Reports</i> , 2016, 6, 26192.	1.6	50
98	Functional microbiome deficits associated with ageing: Chronological age threshold. <i>Aging Cell</i> , 2020, 19, e13063.	3.0	49
99	Application of stepwise discriminant analysis to classify commercial orange juices using chiral micellar electrokinetic chromatography-laser induced fluorescence data of amino acids. <i>Electrophoresis</i> , 2004, 25, 2885-2891.	1.3	48
100	GC-MS based Gestational Diabetes Mellitus longitudinal study: Identification of 2-and 3-hydroxybutyrate as potential prognostic biomarkers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 90-98.	1.4	48
101	Interplay between gut microbiota metabolism and inflammation in HIV infection. <i>ISME Journal</i> , 2018, 12, 1964-1976.	4.4	48
102	Optimization of the separation lactic acid enantiomers in body fluids by capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 766, 235-242.	1.2	47
103	LC-MS metabolomics of polar compounds. <i>Bioanalysis</i> , 2012, 4, 1235-1243.	0.6	47
104	Chromatography-based on- and in-line pre-concentration methods in capillary electrophoresis. <i>Journal of Proteomics</i> , 2007, 70, 289-297.	2.4	46
105	Urinary analysis of nephrolithiasis markers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 781, 433-455.	1.2	45
106	Identification of oxidized proteins in rat plasma using avidin chromatography and tandem mass spectrometry. <i>Proteomics</i> , 2008, 8, 1516-1527.	1.3	45
107	Fingerprinting-based metabolomic approach with LC-MS to sleep apnea and hypopnea syndrome: A pilot study. <i>Electrophoresis</i> , 2013, 34, 2873-2881.	1.3	45
108	Metabolomics Reveals Metabolite Changes in Acute Pulmonary Embolism. <i>Journal of Proteome Research</i> , 2014, 13, 805-816.	1.8	45

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109	Characterization of proteins from <i>Spirulina platensis</i> microalga using capillary electrophoresis-ion trap-mass spectrometry and capillary electrophoresis-time of flight-mass spectrometry. <i>Electrophoresis</i> , 2005, 26, 2674-2683.	1.3	44
110	Differential Gene Expression and Infection Profiles of Cutaneous and Mucosal <i>Leishmania braziliensis</i> Isolates from the Same Patient. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004018.	1.3	44
111	Capillary Electrophoresis-Mass Spectrometry at Trial by Metabo-Ring: Effective Electrophoretic Mobility for Reproducible and Robust Compound Annotation. <i>Analytical Chemistry</i> , 2020, 92, 14103-14112.	3.2	44
112	Optimization and validation of a method for the determination of caffeine, 8-chlorotheophylline and diphenhydramine by isocratic high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2000, 870, 97-103.	1.8	43
113	Metabolomic-Driven Elucidation of Serum Disturbances Associated with Alzheimer's Disease and Mild Cognitive Impairment. <i>Current Alzheimer Research</i> , 2016, 13, 641-653.	0.7	43
114	Capillary electrophoresis determination of loratadine and related impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 499-506.	1.4	42
115	LC/MS for the degradation profiling of cough "cold products under forced conditions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 1035-1045.	1.4	42
116	A Multiplatform Metabolomic Approach to the Basis of Antimonial Action and Resistance in <i>Leishmania infantum</i> . <i>PLoS ONE</i> , 2015, 10, e0130675.	1.1	39
117	Poly(ethyleneglycol) column for the determination of acetaminophen, phenylephrine and chlorpheniramine in pharmaceutical formulations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 785, 237-243.	1.2	38
118	Metabolomic and glycomic findings in posttraumatic stress disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 88, 181-193.	2.5	38
119	Mass spectrometry based proteomics and metabolomics in personalized oncology. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165690.	1.8	38
120	Quantitative Determination of Short-Chain Organic Acids in Urine by Capillary Electrophoresis. <i>Clinical Chemistry</i> , 1998, 44, 1340-1342.	1.5	37
121	Validated capillary electrophoresis method for small-anions measurement in wines. <i>Electrophoresis</i> , 2003, 24, 2235-2243.	1.3	37
122	Metabolomic Approach with LC-MS Reveals Significant Effect of Pressure on Diver's Plasma. <i>Journal of Proteome Research</i> , 2010, 9, 4131-4137.	1.8	37
123	Simultaneous determination of vitamins A and E in rat tissues by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1997, 778, 415-420.	1.8	36
124	New approaches with two cyano columns to the separation of acetaminophen, phenylephrine, chlorpheniramine and related compounds. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 817, 159-165.	1.2	36
125	Interlaboratory study to evaluate the robustness of capillary electrophoresis-mass spectrometry for peptide mapping. <i>Journal of Separation Science</i> , 2015, 38, 3262-3270.	1.3	36
126	Direct measurement of homovanillic, vanillylmandelic and 5-hydroxyindoleacetic acids in urine by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 871, 341-350.	1.8	35

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127	Metabolomic assessment with CE-MS of the nutraceutical effect of <i>Cystoseira</i> spp extracts in an animal model. <i>Electrophoresis</i> , 2011, 32, 2055-2062.	1.3	35
128	New insight on obesity and adipose-derived stem cells using comprehensive metabolomics. <i>Biochemical Journal</i> , 2016, 473, 2187-2203.	1.7	35
129	A Single In-Vial Dual Extraction Strategy for the Simultaneous Lipidomics and Proteomics Analysis of HDL and LDL Fractions. <i>Journal of Proteome Research</i> , 2016, 15, 1762-1775.	1.8	35
130	Allergic asthma: an overview of metabolomic strategies leading to the identification of biomarkers in the field. <i>Clinical and Experimental Allergy</i> , 2017, 47, 442-456.	1.4	35
131	Metabolic changes during respiratory syncytial virus infection of epithelial cells. <i>PLoS ONE</i> , 2020, 15, e0230844.	1.1	35
132	Comprehensive Examination of the Mouse Lung Metabolome Following <i>Mycobacterium tuberculosis</i> Infection Using a Multiplatform Mass Spectrometry Approach. <i>Journal of Proteome Research</i> , 2020, 19, 2053-2070.	1.8	35
133	Simultaneous online SPE-HPLC-MS/MS analysis of docetaxel, temsirolimus and sirolimus in whole blood and human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 921-922, 35-42.	1.2	34
134	Capillary Electrophoresis for Evaluating Orange Juice Authenticity: A Study on Spanish Oranges. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 9-13.	2.4	33
135	Combining Peptide Modeling and Capillary Electrophoresis-Mass Spectrometry for Characterization of Enzymes Cleavage Patterns: Recombinant versus Natural Bovine Pepsin A. <i>Analytical Chemistry</i> , 2005, 77, 7709-7716.	3.2	33
136	Fast and sensitive capillary electrophoresis method to quantitatively monitor ibuprofen enantiomers released from polymeric drug delivery systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 767, 35-43.	1.2	32
137	Uptake and Distribution of Zinc, Cadmium, Lead and Copper in <i>Brassica napus</i> var. <i>oleifera</i> and <i>Helianthus annuus</i> Grown in Contaminated Soils. <i>International Journal of Phytoremediation</i> , 2003, 5, 153-167.	1.7	32
138	Study of the capillary electrophoresis profile of intact β -1-acid glycoprotein isoforms as a biomarker of atherothrombosis. <i>Analyst</i> , The, 2011, 136, 816-822.	1.7	32
139	In-source fragmentation and correlation analysis as tools for metabolite identification exemplified with CE-TOF untargeted metabolomics. <i>Electrophoresis</i> , 2015, 36, 2188-2195.	1.3	32
140	New Biochemical Insights into the Mechanisms of Pulmonary Arterial Hypertension in Humans. <i>PLoS ONE</i> , 2016, 11, e0160505.	1.1	32
141	Metabolomic Fingerprinting in the Comprehensive Study of Liver Changes Associated with Onion Supplementation in Hypercholesterolemic Wistar Rats. <i>International Journal of Molecular Sciences</i> , 2017, 18, 267.	1.8	32
142	LC determination of loratadine and related impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 35-41.	1.4	31
143	LC determination of impurities in azithromycin tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 33, 211-217.	1.4	31
144	Effect of Different Doses of Vitamin E on the Incidence of Malformations in Pregnant Diabetic Rats. <i>Annals of Nutrition and Metabolism</i> , 2003, 47, 6-10.	1.0	31

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145	Metabolites Secreted by Human Atherothrombotic Aneurysms Revealed through a Metabolomic Approach. <i>Journal of Proteome Research</i> , 2011, 10, 1374-1382.	1.8	31
146	Context-specific metabolic network reconstruction of a naphthalene-degrading bacterial community guided by metaproteomic data. <i>Bioinformatics</i> , 2015, 31, 1771-1779.	1.8	31
147	Complex Interplay between Sphingolipid and Sterol Metabolism Revealed by Perturbations to the <i>Leishmania</i> Metabolome Caused by Miltefosine. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	31
148	Development and validation of a capillary electrophoresis method for the measurement of short-chain organic acids in natural rubber latex. <i>Journal of Chromatography A</i> , 2000, 894, 135-144.	1.8	30
149	Capillary electrophoresis reveals polyamine metabolism modulation in <i>Leishmania (Leishmania) amazonensis</i> wild-type and arginase-knockout mutants under arginine starvation. <i>Electrophoresis</i> , 2015, 36, 2314-2323.	1.3	30
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