

Coral Barbas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

309
papers

10,841
citations

57
h-index

86
g-index

345
ext. papers

12,883
ext. citations

5.1
avg, IF

6.47
L-index

#	Paper	IF	Citations
309	Metabolomics tools for biomarker discovery: applications in chronic kidney disease 2022 , 153-181		0
308	Metabolomic changes after DAAs therapy are related to the improvement of cirrhosis and inflammation in HIV/HCV-coinfected patients.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 147, 112623	7.5	0
307	Deprogramming metabolism in pancreatic cancer with a bi-functional GPR55 inhibitor and biased β adrenergic agonist.. <i>Scientific Reports</i> , 2022 , 12, 3618	4.9	0
306	Metabolomics and biochemical alterations caused by pleiotrophin in the 6-hydroxydopamine mouse model of Parkinson's disease.. <i>Scientific Reports</i> , 2022 , 12, 3577	4.9	0
305	Ceramide Composition in Exosomes for Characterization of Glioblastoma Stem-Like Cell Phenotypes.. <i>Frontiers in Oncology</i> , 2021 , 11, 788100	5.3	0
304	GC-MS Nontargeted Metabolomics of Neural Tissue. <i>Neuromethods</i> , 2021 , 199-219	0.4	
303	Untargeted Metabolomics Determination of Postmortem Changes in Brain Tissue Samples by UHPLC-ESI-QTOF-MS and GC-EI-Q-MS. <i>Neuromethods</i> , 2021 , 245-265	0.4	1
302	Gas Chromatography-Mass Spectroscopy-Based Metabolomics Analysis Reveals Potential Biochemical Markers for Diagnosis of Gestational Diabetes Mellitus. <i>Frontiers in Pharmacology</i> , 2021 , 12, 770240	5.6	1
301	Understanding uncontrolled severe allergic asthma by integration of omic and clinical data. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 ,	9.3	2
300	An evolutionarily ancient fatty acid desaturase is required for the synthesis of hexadecatrienoic acid, which is the main source of the bioactive jasmonate in <i>Marchantia polymorpha</i> . <i>New Phytologist</i> , 2021 , 233, 1401	9.8	1
299	Renal tubule Cpt1a overexpression protects from kidney fibrosis by restoring mitochondrial homeostasis. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	42
298	Metabolic Changes in Brain Slices over Time: a Multiplatform Metabolomics Approach. <i>Molecular Neurobiology</i> , 2021 , 58, 3224-3237	6.2	3
297	Metabolome Database for Mass Spectrometry Metabolomics. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	1
296	Understanding Systemic and Local Inflammation Induced by Nasal Polyposis: Role of the Allergic Phenotype. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 662792	5.6	2
295	Metabolomics reveals synergy between Ag and g-CN in Ag/g-CN composite photocatalysts: a unique feature among Ag-doped biocidal materials. <i>Metabolomics</i> , 2021 , 17, 53	4.7	0
294	A Preliminary Study Showing the Impact of Genetic and Dietary Factors on GC-MS-Based Plasma Metabolome of Patients with and without -Genetic Predisposition to T2DM up to 5 Years Prior to Prediabetes Appearance. <i>Current Issues in Molecular Biology</i> , 2021 , 43, 513-528	2.9	2
293	Metabolomic Reprogramming of C57BL/6-Macrophages during Early Infection with. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3

292	A body weight loss- and health-promoting gut microbiota is established after bariatric surgery in individuals with severe obesity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 193, 113747	3.5	4
291	Metabolomics analysis of microbiota-gut-brain axis in neurodegenerative and psychiatric diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 194, 113681	3.5	19
290	Enhancing confidence of metabolite annotation in Capillary Electrophoresis-Mass Spectrometry untargeted metabolomics with relative migration time and in-source fragmentation. <i>Journal of Chromatography A</i> , 2021 , 1635, 461758	4.5	4
289	Exploring novel systemic biomarker approaches in grass-pollen sublingual immunotherapy using omics. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 1199-1212	9.3	15
288	Integration of Functional Genomic, Transcriptomic, and Metabolomic Data to Identify Key Features in Genomic Expression, Metabolites, and Metabolic Pathways of <i>Babesia divergens</i> . <i>Methods in Molecular Biology</i> , 2021 , 2369, 217-249	1.4	1
287	In vitro generation of oxidized standards for lipidomics. Application to major membrane lipid components. <i>Journal of Chromatography A</i> , 2021 , 1651, 462254	4.5	5
286	Prognostic biomarkers of Parkinson's disease in the Spanish EPIC cohort: a multiplatform metabolomics approach. <i>Npj Parkinson's Disease</i> , 2021 , 7, 73	9.7	3
285	Characterization of anaphylaxis reveals different metabolic changes depending on severity and triggers. <i>Clinical and Experimental Allergy</i> , 2021 , 51, 1295-1309	4.1	1
284	Comparative metabolomics analysis of bronchial epithelium during barrier establishment after allergen exposure. <i>Clinical and Translational Allergy</i> , 2021 , 11, e12051	5.2	1
283	Low and high resolution gas chromatography-mass spectrometry for untargeted metabolomics: A tutorial. <i>Analytica Chimica Acta</i> , 2021 , 339043	6.6	1
282	Analytical approaches for studying oxygenated lipids in the search of potential biomarkers by LC-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116367	14.6	3
281	Exploiting the formation of adducts in mobile phases with ammonium fluoride for the enhancement of annotation in liquid chromatography-high resolution mass spectrometry based lipidomics. <i>Journal of Chromatography Open</i> , 2021 , 1, 100018		1
280	Insulin Resistance in Obese Children: What Can Metabolomics and Adipokine Modelling Contribute?. <i>Nutrients</i> , 2020 , 12,	6.7	7
279	Phagosomal removal of fungal melanin reprograms macrophage metabolism to promote antifungal immunity. <i>Nature Communications</i> , 2020 , 11, 2282	17.4	29
278	Oxidized lipids in the metabolic profiling of neuroendocrine tumors - Analytical challenges and biological implications. <i>Journal of Chromatography A</i> , 2020 , 1625, 461233	4.5	4
277	Dysregulation of glycerophospholipid metabolism during Behçet's disease contributes to a pro-inflammatory phenotype of circulating monocytes. <i>Journal of Translational Autoimmunity</i> , 2020 , 3, 100056	4.1	7
276	Impact of global PTP1B deficiency on the gut barrier permeability during NASH in mice. <i>Molecular Metabolism</i> , 2020 , 35, 100954	8.8	3
275	Metabolic changes during respiratory syncytial virus infection of epithelial cells. <i>PLoS ONE</i> , 2020 , 15, e0230844	3.7	20

274	Plasma metabolomic fingerprint of advanced cirrhosis stages among HIV/HCV-coinfected and HCV-monoinfected patients. <i>Liver International</i> , 2020 , 40, 2215-2227	7.9	5
273	Unveiling the Fragmentation Mechanisms of Modified Amino Acids as the Key for Their Targeted Identification. <i>Analytical Chemistry</i> , 2020 , 92, 4848-4857	7.8	10
272	Mass spectrometry based proteomics and metabolomics in personalized oncology. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165690	6.9	17
271	Plasma Metabolic Signature of Atherosclerosis Progression and Colchicine Treatment in Rabbits. <i>Scientific Reports</i> , 2020 , 10, 7072	4.9	2
270	Plasma Metabolome Alterations Associated with Extrauterine Growth Restriction. <i>Nutrients</i> , 2020 , 12,	6.7	5
269	Genetically engineered proteins with two active sites for enhanced biocatalysis and synergistic chemo- and biocatalysis. <i>Nature Catalysis</i> , 2020 , 3, 319-328	36.5	48
268	Functional microbiome deficits associated with ageing: Chronological age threshold. <i>Aging Cell</i> , 2020 , 19, e13063	9.9	24
267	FGF21-protection against fructose-induced lipid accretion and oxidative stress is influenced by maternal nutrition in male progeny. <i>Journal of Functional Foods</i> , 2020 , 64, 103676	5.1	3
266	Sample pre-treatment procedures for the omics analysis of human gut microbiota: Turning points, tips and tricks for gene sequencing and metabolomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 191, 113592	3.5	2
265	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	7.8	18
264	Unraveling the Cyclization of L-Argininosuccinic Acid in Biological Samples: A Study via Mass Spectrometry and NMR Spectroscopy. <i>Analytical Chemistry</i> , 2020 , 92, 12891-12899	7.8	2
263	Recent Developments along the Analytical Process for Metabolomics Workflows. <i>Analytical Chemistry</i> , 2020 , 92, 203-226	7.8	41
262	Comprehensive Examination of the Mouse Lung Metabolome Following Infection Using a Multiplatform Mass Spectrometry Approach. <i>Journal of Proteome Research</i> , 2020 , 19, 2053-2070	5.6	19
261	Data-dependent normalization strategies for untargeted metabolomics-a case study. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 6391-6405	4.4	11
260	LAS: A Lipid Annotation Service Capable of Explaining the Annotations It Generates. <i>Computational and Structural Biotechnology Journal</i> , 2019 , 17, 1113-1122	6.8	5
259	Capillary Electrophoresis Mass Spectrometry as a Tool for Untargeted Metabolomics. <i>Methods in Molecular Biology</i> , 2019 , 1978, 55-77	1.4	8
258	Oxidized glycerophosphatidylcholines in diabetes through non-targeted metabolomics: Their annotation and biological meaning. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1120, 62-70	3.2	11
257	Metabolomics Reveal Altered Postprandial Lipid Metabolism After a High-Carbohydrate Meal in Men at High Genetic Risk of Diabetes. <i>Journal of Nutrition</i> , 2019 , 149, 915-922	4.1	7

256	The Type 2 Diabetes Susceptibility PROX1 Gene Variants Are Associated with Postprandial Plasma Metabolites Profile in Non-Diabetic Men. <i>Nutrients</i> , 2019 , 11,	6.7	9
255	Metabolomics reveals citric acid secretion in mechanically-stimulated osteocytes is inhibited by high glucose. <i>Scientific Reports</i> , 2019 , 9, 2295	4.9	14
254	Quantitative metabolic profiling of urinary eicosanoids for clinical phenotyping. <i>Journal of Lipid Research</i> , 2019 , 60, 1164-1173	6.3	8
253	Metabolomic and glycomic findings in posttraumatic stress disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 88, 181-193	5.5	23
252	Insulin receptor substrate 2 (IRS2) deficiency delays liver fibrosis associated with cholestatic injury. <i>DMM Disease Models and Mechanisms</i> , 2019 , 12,	4.1	4
251	Mapping Alterations Induced by Long-Term Axenic Cultivation of Promastigotes With a Multiplatform Metabolomic Fingerprint Approach. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 403	5.9	1
250	Metabolomic Profile of BALB/c Macrophages Infected with : Deciphering L-Arginine Metabolism. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	12
249	CEU Mass Mediator 3.0: A Metabolite Annotation Tool. <i>Journal of Proteome Research</i> , 2019 , 18, 797-802	5.6	59
248	Metabolomics Analysis of Leishmania by Capillary Electrophoresis and Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019 , 1859, 253-260	1.4	2
247	Bioprospecting Reveals Class III α -Transaminases Converting Bulky Ketones and Environmentally Relevant Polyamines. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	9
246	Metabolomic Study of Hibernating Syrian Hamster Brains: In Search of Neuroprotective Agents. <i>Journal of Proteome Research</i> , 2019 , 18, 1175-1190	5.6	17
245	Metabolic Phenotyping Using Capillary Electrophoresis Mass Spectrometry 2019 , 171-204		1
244	Flow Cytometry Has a Significant Impact on the Cellular Metabolome. <i>Journal of Proteome Research</i> , 2019 , 18, 169-181	5.6	47
243	Transcription Factor NRF2 as a Therapeutic Target for Chronic Diseases: A Systems Medicine Approach. <i>Pharmacological Reviews</i> , 2018 , 70, 348-383	22.5	271
242	Multiplatform plasma fingerprinting in cancer cachexia: a pilot observational and translational study. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018 , 9, 348-357	10.3	39
241	Complex Interplay between Sphingolipid and Sterol Metabolism Revealed by Perturbations to the Leishmania Metabolome Caused by Miltefosine. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	17
240	Knowledge-based metabolite annotation tool: CEU Mass Mediator. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 154, 138-149	3.5	46
239	Metabolic Clustering Analysis as a Strategy for Compound Selection in the Drug Discovery Pipeline for Leishmaniasis. <i>ACS Chemical Biology</i> , 2018 , 13, 1361-1369	4.9	11

238	Effects of HIV, antiretroviral therapy and prebiotics on the active fraction of the gut microbiota. <i>Aids</i> , 2018 , 32, 1229-1237	3.5	17
237	Metabolomic-Based Methods in Diagnosis and Monitoring Infection Progression. <i>Experientia Supplementum (2012)</i> , 2018 , 109, 283-315	2.2	15
236	Target and untargeted GC-MS based metabolomic study of mouse optic nerve and its potential in the study of neurological visual diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 153, 44-56	3.5	10
235	"Gear mechanism" of bariatric interventions revealed by untargeted metabolomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 151, 219-226	3.5	22
234	Stereochemical and structural effects of (2R,6R)-hydroxynorketamine on the mitochondrial metabolome in PC-12 cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 1505-1515	4	9
233	Metabolic Fingerprints of Gestational Diabetes Mellitus 2018 , 101-117		
232	Short overview on metabolomic approach and redox changes in psychiatric disorders. <i>Redox Biology</i> , 2018 , 14, 178-186	11.3	45
231	Complementary Methodologies To Investigate Human Gut Microbiota in Host Health, Working towards Integrative Systems Biology. <i>Journal of Bacteriology</i> , 2018 , 200,	3.5	7
230	Short overview on metabolomics approach to study pathophysiology of oxidative stress in cancer. <i>Redox Biology</i> , 2018 , 14, 47-58	11.3	78
229	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	9.3	42
228	Ferritin H Deficiency in Myeloid Compartments Dysregulates Host Energy Metabolism and Increases Susceptibility to Infection. <i>Frontiers in Immunology</i> , 2018 , 9, 860	8.4	32
227	Metabolomics changes in patients with PAPP-A2 deficiency in response to rhIGF1 treatment. <i>Growth Hormone and IGF Research</i> , 2018 , 42-43, 28-31	2	3
226	Characterization and annotation of oxidized glycerophosphocholines for non-targeted metabolomics with LC-QTOF-MS data. <i>Analytica Chimica Acta</i> , 2018 , 1037, 358-368	6.6	11
225	CHAPTER 8:CE-MS for Metabolomics: A Comparison with Other Techniques. <i>New Developments in Mass Spectrometry</i> , 2018 , 161-183	2.3	1
224	Quality assurance procedures for mass spectrometry untargeted metabolomics. a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 147, 149-173	3.5	155
223	Differential Effects of a Glucagon-Like Peptide 1 Receptor Agonist in Non-Alcoholic Fatty Liver Disease and in Response to Hepatectomy. <i>Scientific Reports</i> , 2018 , 8, 16461	4.9	6
222	In-and-Out Molecular Changes Linked to the Type 2 Diabetes Remission after Bariatric Surgery: An Influence of Gut Microbes on Mitochondria Metabolism. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
221	Untargeted metabolomics: an overview of its usefulness and future potential in prenatal diagnosis. <i>Expert Review of Proteomics</i> , 2018 , 15, 809-816	4.2	8

220	Metabolite Annotation and Identification. <i>Comprehensive Analytical Chemistry</i> , 2018 , 82, 415-445	1.9	12
219	Molecular Basis of the Leishmanicidal Activity of the Antidepressant Sertraline as a Drug Repurposing Candidate. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	13
218	A review of validated biomarkers obtained through metabolomics. <i>Expert Review of Molecular Diagnostics</i> , 2018 , 18, 557-575	3.8	50
217	Interplay between gut microbiota metabolism and inflammation in HIV infection. <i>ISME Journal</i> , 2018 , 12, 1964-1976	11.9	28
216	Chronic Diseases and Lifestyle Biomarkers Identification by Metabolomics. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 965, 235-263	3.6	17
215	Metabolomics: Bridging Chemistry and Biology in Drug Discovery and Development. <i>Current Pharmacology Reports</i> , 2017 , 3, 16-25	5.5	6
214	A metabolomic approach shows sphingosine 1-phosphate and lysophospholipids as mediators of the therapeutic effect of liver growth factor in emphysema. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 139, 238-246	3.5	9
213	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	4.1	28
212	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	3.5	31
211	Differentiating signals to make biological sense - A guide through databases for MS-based non-targeted metabolomics. <i>Electrophoresis</i> , 2017 , 38, 2242-2256	3.6	25
210	Metabolomics allows the discrimination of the pathophysiological relevance of hyperinsulinism in obese prepubertal children. <i>International Journal of Obesity</i> , 2017 , 41, 1473-1480	5.5	16
209	A review of blood sample handling and pre-processing for metabolomics studies. <i>Electrophoresis</i> , 2017 , 38, 2232-2241	3.6	49
208	Phenotyping of gut microbiota: Focus on capillary electrophoresis. <i>Electrophoresis</i> , 2017 , 38, 2275-2286	3.6	7
207	Metabolomics and neuroanatomical evaluation of post-mortem changes in the hippocampus. <i>Brain Structure and Function</i> , 2017 , 222, 2831-2853	4	40
206	Capillary electrophoresis mass spectrometry as a tool for untargeted metabolomics. <i>Bioanalysis</i> , 2017 , 9, 99-130	2.1	63
205	The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects. <i>Mucosal Immunology</i> , 2017 , 10, 1279-1293	9.2	64
204	Cyclobenzaprine Raises ROS Levels in <i>Leishmania infantum</i> and Reduces Parasite Burden in Infected Mice. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005281	4.8	13
203	Metabolic and evolutionary patterns in the extremely acidophilic archaeon <i>Ferroplasma acidiphilum</i> Y. <i>Scientific Reports</i> , 2017 , 7, 3682	4.9	11

202	Answer to: "Biomarkers in allergic asthma: Which matrix should we use?". <i>Clinical and Experimental Allergy</i> , 2017 , 47, 1099-1100	4.1	1
201	Exploring the human microbiome from multiple perspectives: factors altering its composition and function. <i>FEMS Microbiology Reviews</i> , 2017 , 41, 453-478	15.1	75
200	A novel glucagon-like peptide 1/glucagon receptor dual agonist improves steatohepatitis and liver regeneration in mice. <i>Hepatology</i> , 2017 , 65, 950-968	11.2	49
199	Antibiotic use and microbiome function. <i>Biochemical Pharmacology</i> , 2017 , 134, 114-126	6	147
198	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,	6.3	22
197	Multiplatform metabolomic fingerprinting as a tool for understanding hypercholesterolemia in Wistar rats. <i>European Journal of Nutrition</i> , 2016 , 55, 997-1010	5.2	11
196	Fructose during pregnancy provokes fetal oxidative stress: The key role of the placental heme oxygenase-1. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 2700-2711	5.9	17
195	Insights into the degradation capacities of <i>Amycolatopsis tucumanensis</i> DSM 45259 guided by microarray data. <i>World Journal of Microbiology and Biotechnology</i> , 2016 , 32, 201	4.4	6
194	Proteomics and metabolomics in biomarker discovery for cardiovascular diseases: progress and potential. <i>Expert Review of Proteomics</i> , 2016 , 13, 857-71	4.2	9
193	Metabolomics as a tool to evaluate the toxicity of formulations containing amphotericin B, an antileishmanial drug. <i>Toxicology Research</i> , 2016 , 5, 1720-1732	2.6	5
192	HIV infection results in metabolic alterations in the gut microbiota different from those induced by other diseases. <i>Scientific Reports</i> , 2016 , 6, 26192	4.9	36
191	Metabolomic-Driven Elucidation of Serum Disturbances Associated with Alzheimer's Disease and Mild Cognitive Impairment. <i>Current Alzheimer Research</i> , 2016 , 13, 641-53	3	30
190	Metabolomics in cancer cachexia: a pilot study.. <i>Journal of Clinical Oncology</i> , 2016 , 34, e21642-e21642	2.2	
189	New Biochemical Insights into the Mechanisms of Pulmonary Arterial Hypertension in Humans. <i>PLoS ONE</i> , 2016 , 11, e0160505	3.7	27
188	To treat or not to treat: metabolomics reveals biomarkers for treatment indication in chronic lymphocytic leukaemia patients. <i>Oncotarget</i> , 2016 , 7, 22324-38	3.3	14
187	New insight on obesity and adipose-derived stem cells using comprehensive metabolomics. <i>Biochemical Journal</i> , 2016 , 473, 2187-203	3.8	25
186	Bryostatatin-1 for latent virus reactivation in HIV-infected patients on antiretroviral therapy. <i>Aids</i> , 2016 , 30, 1385-92	3.5	118
185	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 ^{3.5}	3.5	42

184	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, 1762-75	5.6	30
183	Gut Bacteria Metabolism Impacts Immune Recovery in HIV-infected Individuals. <i>EBioMedicine</i> , 2016 , 8, 203-216	8.8	63
182	Insulin resistance in prepubertal obese children correlates with sex-dependent early onset metabolomic alterations. <i>International Journal of Obesity</i> , 2016 , 40, 1494-1502	5.5	39
181	Metabolomics studies in brain tissue: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 130, 141-168	3.5	56
180	Bacterial population and biodegradation potential in chronically crude oil-contaminated marine sediments are strongly linked to temperature. <i>Scientific Reports</i> , 2015 , 5, 11651	4.9	78
179	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	4.9	56
178	Rapid and Reliable Identification of Phospholipids for Untargeted Metabolomics with LC-ESI-QTOF-MS/MS. <i>Journal of Proteome Research</i> , 2015 , 14, 3204-16	5.6	74
177	Multiplatform characterization of dynamic changes in breast milk during lactation. <i>Electrophoresis</i> , 2015 , 36, 2269-2285	3.6	69
176	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	6.6	101
175	Evaluation of onion as a functional ingredient in the prevention of metabolic impairments associated to diet-induced hypercholesterolaemia using a multiplatform approach based on LC-MS, CE-MS and GC-MS. <i>Journal of Functional Foods</i> , 2015 , 19, 363-375	5.1	14
174	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	4.7	52
173	Metaproteomics and metabolomics analyses of chronically petroleum-polluted sites reveal the importance of general anaerobic processes uncoupled with degradation. <i>Proteomics</i> , 2015 , 15, 3508-20	4.8	42
172	In-source fragmentation and correlation analysis as tools for metabolite identification exemplified with CE-TOF untargeted metabolomics. <i>Electrophoresis</i> , 2015 , 36, 2188-2195	3.6	25
171	Missing value imputation strategies for metabolomics data. <i>Electrophoresis</i> , 2015 , 36, 3050-60	3.6	77
170	Unveiling differences between patients with acute coronary syndrome with and without ST elevation through fingerprinting with CE-MS and HILIC-MS targeted analysis. <i>Electrophoresis</i> , 2015 , 36, 2303-2313	3.6	15
169	Capillary electrophoresis reveals polyamine metabolism modulation in Leishmania (Leishmania) amazonensis wild-type and arginase-knockout mutants under arginine starvation. <i>Electrophoresis</i> , 2015 , 36, 2314-2323	3.6	17
168	Interlaboratory study to evaluate the robustness of capillary electrophoresis-mass spectrometry for peptide mapping. <i>Journal of Separation Science</i> , 2015 , 38, 3262-3270	3.4	29
167	Altered metabolic and stemness capacity of adipose tissue-derived stem cells from obese mouse and human. <i>PLoS ONE</i> , 2015 , 10, e0123397	3.7	59

166	Differential Gene Expression and Infection Profiles of Cutaneous and Mucosal Leishmania braziliensis Isolates from the Same Patient. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004018	4.8	22
165	Clostridium difficile heterogeneously impacts intestinal community architecture but drives stable metabolome responses. <i>ISME Journal</i> , 2015 , 9, 2206-20	11.9	38
164	Controlling the quality of metabolomics data: new strategies to get the best out of the QC sample. <i>Metabolomics</i> , 2015 , 11, 518-528	4.7	93
163	Imbalanced OPA1 processing and mitochondrial fragmentation cause heart failure in mice. <i>Science</i> , 2015 , 350, aad0116	33.3	260
162	LC-MS-based metabolomics identification of novel biomarkers of chorioamnionitis and its associated perinatal neurological damage. <i>Journal of Proteome Research</i> , 2015 , 14, 1432-44	5.6	18
161	Context-specific metabolic network reconstruction of a naphthalene-degrading bacterial community guided by metaproteomic data. <i>Bioinformatics</i> , 2015 , 31, 1771-9	7.2	26
160	A Multiplatform Metabolomic Approach to the Basis of Antimonial Action and Resistance in Leishmania infantum. <i>PLoS ONE</i> , 2015 , 10, e0130675	3.7	31
159	To Treat or Not to Treat: Metabolomics Reveals Biomarkers for Treatment Indication in Chronic Lymphocytic Leukaemia Patients. <i>Blood</i> , 2015 , 126, 5286-5286	2.2	
158	Understanding the antimicrobial mechanism of TiO ₂ -based nanocomposite films in a pathogenic bacterium. <i>Scientific Reports</i> , 2014 , 4, 4134	4.9	237
157	Metabolic fingerprint of Gestational Diabetes Mellitus. <i>Journal of Proteomics</i> , 2014 , 103, 57-71	3.9	91
156	Method validation strategies involved in non-targeted metabolomics. <i>Journal of Chromatography A</i> , 2014 , 1353, 99-105	4.5	201
155	Metabolomics reveals metabolite changes in acute pulmonary embolism. <i>Journal of Proteome Research</i> , 2014 , 13, 805-16	5.6	29
154	¹ H NMR global metabolic phenotyping of acute pancreatitis in the emergency unit. <i>Journal of Proteome Research</i> , 2014 , 13, 5362-75	5.6	19
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