

Francisco Javier RupÃ©rez

List of Publications by Year in descending order

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73
papers

3,166
citations

145106

33
h-index

182931

54
g-index

74
all docs

74
docs citations

74
times ranked

6472
citing authors

#	ARTICLE	IF	CITATIONS
1	Transforming growth factor β 3 deficiency promotes defective lipid metabolism and fibrosis in murine kidney. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	11
2	Unveiling Metabolic Phenotype Alterations in Anorexia Nervosa through Metabolomics. <i>Nutrients</i> , 2021, 13, 4249.	1.7	1
3	Lipidomic and Metabolomic Signature of Progression of Chronic Kidney Disease in Patients with Severe Obesity. <i>Metabolites</i> , 2021, 11, 836.	1.3	19
4	Recent Developments along the Analytical Process for Metabolomics Workflows. <i>Analytical Chemistry</i> , 2020, 92, 203-226.	3.2	72
5	Metabolic impact of partial hepatectomy in the non-alcoholic steatohepatitis animal model of methionine-choline deficient diet. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112958.	1.4	4
6	Moderate SIRT1 overexpression protects against brown adipose tissue inflammation. <i>Molecular Metabolism</i> , 2020, 42, 101097.	3.0	17
7	Insulin Resistance in Obese Children: What Can Metabolomics and Adipokine Modelling Contribute?. <i>Nutrients</i> , 2020, 12, 3310.	1.7	13
8	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.	2.0	13
9	Plasma Metabolic Signature of Atherosclerosis Progression and Colchicine Treatment in Rabbits. <i>Scientific Reports</i> , 2020, 10, 7072.	1.6	7
10	Flow Cytometry Has a Significant Impact on the Cellular Metabolome. <i>Journal of Proteome Research</i> , 2019, 18, 169-181.	1.8	66
11	Insulin receptor substrate 2 (IRS2)-deficiency delays liver fibrosis associated to cholestatic injury. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	10
12	LAS: A Lipid Annotation Service Capable of Explaining the Annotations It Generates. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1113-1122.	1.9	5
13	Microbiota Sensing by Mincle-Syk Axis in Dendritic Cells Regulates Interleukin-17 and -22 Production and Promotes Intestinal Barrier Integrity. <i>Immunity</i> , 2019, 50, 446-461.e9.	6.6	143
14	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
15	Knowledge-based metabolite annotation tool: CEU Mass Mediator. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 154, 138-149.	1.4	79
16	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.	1.1	11
17	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.	1.6	12
18	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.	0.5	5

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19	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.	1.4	14
20	Metabolomics allows the discrimination of the pathophysiological relevance of hyperinsulinism in obese prepubertal children. <i>International Journal of Obesity</i> , 2017, 41, 1473-1480.	1.6	25
21	Discriminant biomarkers of acute respiratory distress syndrome associated to H1N1 influenza identified by metabolomics HPLC-QTOF-MS/MS platform. <i>Electrophoresis</i> , 2017, 38, 2341-2348.	1.3	12
22	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
23	Genomics and Metabolomics in Obesity and Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-2.	1.0	13
24	To treat or not to treat: metabolomics reveals biomarkers for treatment indication in chronic lymphocytic leukaemia patients. <i>Oncotarget</i> , 2016, 7, 22324-22338.	0.8	17
25	New insight on obesity and adipose-derived stem cells using comprehensive metabolomics. <i>Biochemical Journal</i> , 2016, 473, 2187-2203.	1.7	35
26	Bryostatin-1 for latent virus reactivation in HIV-infected patients on antiretroviral therapy. <i>Aids</i> , 2016, 30, 1385-1392.	1.0	167
27	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
28	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
29	Proteomics and metabolomics in biomarker discovery for cardiovascular diseases: progress and potential. <i>Expert Review of Proteomics</i> , 2016, 13, 857-871.	1.3	11
30	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
31	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.	1.3	19
32	Imbalanced OPA1 processing and mitochondrial fragmentation cause heart failure in mice. <i>Science</i> , 2015, 350, aad0116.	6.0	403
33	To Treat or Not to Treat: Metabolomics Reveals Biomarkers for Treatment Indication in Chronic Lymphocytic Leukaemia Patients. <i>Blood</i> , 2015, 126, 5286-5286.	0.6	0
34	Metabolomics Reveals Metabolite Changes in Acute Pulmonary Embolism. <i>Journal of Proteome Research</i> , 2014, 13, 805-816.	1.8	45
35	Ceramide Mediates Acute Oxygen Sensing in Vascular Tissues. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1-14.	2.5	39
36	Effect of a nutraceutical treatment on diabetic rats with targeted and CE-MS non-targeted approaches. <i>Metabolomics</i> , 2013, 9, 188-202.	1.4	17

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37	Plasma and urine metabolic fingerprinting of type 1 diabetic children. <i>Electrophoresis</i> , 2013, 34, 2882-2890.	1.3	52
38	Eplerenone attenuated cardiac steatosis, apoptosis and diastolic dysfunction in experimental type-II diabetes. <i>Cardiovascular Diabetology</i> , 2013, 12, 172.	2.7	59
39	In-vial dual extraction liquid chromatography coupled to mass spectrometry applied to streptozotocin-treated diabetic rats. Tips and pitfalls of the method. <i>Journal of Chromatography A</i> , 2013, 1304, 52-60.	1.8	27
40	Metabolomics of diet-related diseases using mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 61-73.	5.8	19
41	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
42	LC-MS metabolomics of polar compounds. <i>Bioanalysis</i> , 2012, 4, 1235-1243.	0.6	47
43	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
44	Metabolomic study of plasma of patients with abdominal aortic aneurysm. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1651-1660.	1.9	22
45	Development of chromatographic methods for the determination of genotoxic impurities in cloperastine fendizoate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 61, 230-236.	1.4	16
46	Metabolites Secreted by Human Atherothrombotic Aneurysms Revealed through a Metabolomic Approach. <i>Journal of Proteome Research</i> , 2011, 10, 1374-1382.	1.8	31
47	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
48	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
49	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
50	Targeted and non-targeted metabolic time trajectory in plasma of patients after acute coronary syndrome. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 343-351.	1.4	24
51	Evolution of oxidative stress parameters and response to oral vitamins E and C in streptozotocin-induced diabetic rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 871-878.	1.2	29
52	Metabolomic approach to the nutraceutical effect of rosemary extract plus 3 PUFAs in diabetic children with capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1298-1304.	1.4	21
53	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
54	Dunaliella salina extract effect on diabetic rats: Metabolic fingerprinting and target metabolite analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 786-792.	1.4	26

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55	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
56	Capillary electrophoresis for short chain organic acids in faeces. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 356-361.	1.4	50
57	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
58	Isolation, identification and determination of the major degradation product in alprazolam tablets during their stability assay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 404-413.	1.4	10
59	Tocopherol Fate in Plasma and Liver of Streptozotocin-Treated Rats that Orally Received Antioxidants and <i>Spirulina</i> Extracts. <i>International Journal for Vitamin and Nutrition Research</i> , 2007, 77, 263-271.	0.6	12
60	Tandem column for the simultaneous determination of arginine, ibuprofen and related impurities by liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1119, 238-245.	1.8	14
61	LC methods for acyclovir and related impurities determination. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 687-694.	1.4	28
62	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
63	Direct liquid chromatography method for retinol, α - and β -tocopherols in rat plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 800, 225-230.	1.2	27
64	Tocopherol measurement in edible products of vegetable origin. <i>Journal of Chromatography A</i> , 2004, 1054, 227-233.	1.8	69
65	Capillary electrophoresis determination of loratadine and related impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 499-506.	1.4	42
66	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
67	LC determination of loratadine and related impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 35-41.	1.4	31
68	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
69	Chromatographic analysis of α -tocopherol and related compounds in various matrices. <i>Journal of Chromatography A</i> , 2001, 935, 45-69.	1.8	195
70	Low Arachidonic Acid Rather than α -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
71	Determination of α -tocopherol and α -tocopheryl acetate in diets of experimental animals. <i>Journal of Chromatography A</i> , 1999, 839, 93-99.	1.8	24
72	Simplified method for vitamin E determination in rat adipose tissue and mammary glands by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1998, 823, 483-487.	1.8	26

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73	Untargeted Metabolomics Studies of H9c2 Cardiac Cells Submitted to Oxidative Stress, β^2 -Adrenergic Stimulation and Doxorubicin Treatment: Investigation of Cardiac Biomarkers. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	2