

Miguel A Rodriguez

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.

41
papers

1,016
citations

19
h-index

31
g-index

45
ext. papers

1,196
ext. citations

5
avg, IF

3.65
L-index

#	Paper	IF	Citations
41	Muscular carnosine is a marker for cardiorespiratory fitness and cardiometabolic risk factors in men with type 1 diabetes.. <i>European Journal of Applied Physiology</i> , 2022 , 1	3.4	
40	A multifunctional ingredient for the management of metabolic syndrome in cafeteria diet-fed rats. <i>Food and Function</i> , 2021 , 12, 815-824	6.1	1
39	Beneficial Effects of a Low-dose of Conjugated Linoleic Acid on Body Weight Gain and other Cardiometabolic Risk Factors in Cafeteria Diet-fed Rats. <i>Nutrients</i> , 2020 , 12,	6.7	5
38	A novel dietary multifunctional ingredient reduces body weight and improves leptin sensitivity in cafeteria diet-fed rats. <i>Journal of Functional Foods</i> , 2020 , 73, 104141	5.1	1
37	The Disruption of Liver Metabolic Circadian Rhythms by a Cafeteria Diet Is Sex-Dependent in Fischer 344 Rats. <i>Nutrients</i> , 2020 , 12,	6.7	2
36	Metabolomics Analyses to Investigate the Role of Diet and Physical Training. <i>Methods in Molecular Biology</i> , 2019 , 1978, 403-430	1.4	2
35	Hepatic accumulation of S-adenosylmethionine in hamsters with non-alcoholic fatty liver disease associated with metabolic syndrome under selenium and vitamin E deficiency. <i>Clinical Science</i> , 2019 , 133, 409-423	6.5	10
34	Epigenetic programming at the Mogat1 locus may link neonatal overnutrition with long-term hepatic steatosis and insulin resistance. <i>FASEB Journal</i> , 2018 , 32, fj201700717RR	0.9	16
33	Highly reactive 2-deoxy-2-iodo-d- and d- pyranosyl sulfoxide donors ensure stereoselective glycosylations with steroidal aglycones.. <i>RSC Advances</i> , 2018 , 8, 30076-30079	3.7	3
32	Positional Enrichment by Proton Analysis (PEPA): A One-Dimensional H-NMR Approach for C Stable Isotope Tracer Studies in Metabolomics. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3531-3535	16.4	12
31	Null diffusion-based enrichment for metabolomics data. <i>PLoS ONE</i> , 2017 , 12, e0189012	3.7	16
30	Positional Enrichment by Proton Analysis (PEPA): A One-Dimensional 1H-NMR Approach for 13C Stable Isotope Tracer Studies in Metabolomics. <i>Angewandte Chemie</i> , 2017 , 129, 3585-3589	3.6	1
29	Analytical methods in sphingolipidomics: Quantitative and profiling approaches in food analysis. <i>Journal of Chromatography A</i> , 2016 , 1428, 16-38	4.5	19
28	Dietary proanthocyanidins boost hepatic NAD(+) metabolism and SIRT1 expression and activity in a dose-dependent manner in healthy rats. <i>Scientific Reports</i> , 2016 , 6, 24977	4.9	31
27	Foodomics imaging by mass spectrometry and magnetic resonance. <i>Electrophoresis</i> , 2016 , 37, 1748-67	3.6	18
26	Adipose tissue glycogen accumulation is associated with obesity-linked inflammation in humans. <i>Molecular Metabolism</i> , 2016 , 5, 5-18	8.8	37
25	Urine metabolome profiling of immune-mediated inflammatory diseases. <i>BMC Medicine</i> , 2016 , 14, 133	11.4	67

24	Liposcale: a novel advanced lipoprotein test based on 2D diffusion-ordered ¹ H NMR spectroscopy. <i>Journal of Lipid Research</i> , 2015 , 56, 737-746	6.3	90
23	Metabolomics reveals impaired maturation of HDL particles in adolescents with hyperinsulinaemic androgen excess. <i>Scientific Reports</i> , 2015 , 5, 11496	4.9	10
22	Dolphin 1D: Improving Automation of Targeted Metabolomics in Multi-matrix Datasets of (¹ H)-NMR Spectra. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 59-67	0.4	2
21	Liver fat deposition and mitochondrial dysfunction in morbid obesity: An approach combining metabolomics with liver imaging and histology. <i>World Journal of Gastroenterology</i> , 2015 , 21, 7529-44	5.6	28
20	Focus: a robust workflow for one-dimensional NMR spectral analysis. <i>Analytical Chemistry</i> , 2014 , 86, 1160-9	3.9	33
19	Dolphin: a tool for automatic targeted metabolite profiling using 1D and 2D (¹ H)-NMR data. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 7967-76	4.4	40
18	Human serum/plasma lipoprotein analysis by NMR: application to the study of diabetic dyslipidemia. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2013 , 70, 1-24	10.4	42
17	Use of multivariate chemometric algorithms on ¹ H NMR data to assess a soluble fiber (<i>Plantago ovata</i> husk) nutritional intervention. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013 , 121, 1-8	3.8	5
16	A (¹ H) NMR metabolic profiling to the assessment of protein tyrosine phosphatase 1B role in liver regeneration after partial hepatectomy. <i>Biochimie</i> , 2013 , 95, 808-16	4.6	9
15	Nutri-metabolomics: subtle serum metabolic differences in healthy subjects by NMR-based metabolomics after a short-term nutritional intervention with two tomato sauces. <i>OMICS A Journal of Integrative Biology</i> , 2013 , 17, 611-8	3.8	19
14	Particle size measurement of lipoprotein fractions using diffusion-ordered NMR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 2407-15	4.4	23
13	(¹ H)-NMR-based metabolomic analysis of the effect of moderate wine consumption on subjects with cardiovascular risk factors. <i>Electrophoresis</i> , 2012 , 33, 2345-54	3.6	50
12	Metabolomics approach for analyzing the effects of exercise in subjects with type 1 diabetes mellitus. <i>PLoS ONE</i> , 2012 , 7, e40600	3.7	54
11	Assessment of compatibility between extraction methods for NMR- and LC/MS-based metabolomics. <i>Analytical Chemistry</i> , 2012 , 84, 5838-44	7.8	69
10	Metabolomics reveals reduction of metabolic oxidation in women with polycystic ovary syndrome after pioglitazone-flutamide-metformin polytherapy. <i>PLoS ONE</i> , 2011 , 6, e29052	3.7	34
9	Surface fitting of 2D diffusion-edited ¹ H NMR spectroscopy data for the characterisation of human plasma lipoproteins. <i>Metabolomics</i> , 2011 , 7, 572-582	4.7	21
8	Metabolomic assessment of the effect of dietary cholesterol in the progressive development of fatty liver disease. <i>Journal of Proteome Research</i> , 2010 , 9, 2527-38	5.6	107
7	Studies on the Zn(II)-mediated electrophilic selenocyclization and elimination of 3,4-O-isopropylidene-protected hydroxyalkenyl sulfides: synthesis of a 2-phenylselenenyl glycal. <i>Carbohydrate Research</i> , 2010 , 345, 1041-5	2.9	6

6	Metabolic phenotyping of genetically modified mice: An NMR metabonomic approach. <i>Biochimie</i> , 2009 , 91, 1053-7	4.6	21
5	Synthesis of 2-iodoglycals, glycals, and 1,1'-disaccharides from 2-Deoxy-2-iodopyranoses under dehydrative glycosylation conditions. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8998-9001	4.2	23
4	Stereoselective Synthesis of 2-Deoxyglycosides from Sulfanyl Alkenes by Consecutive One Pot Cyclization and Glycosylation Reactions. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 2470-2476	3.2	15
3	Stereoselective Synthesis of 2-Deoxy-2-phenylselenenyl Glycosides from Furanoses: Implication of the Phenylselenenyl Group in the Stereocontrolled Preparation of 2-Deoxy-ribo- and 2-Deoxy-xylo-oligosaccharides. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 3564-3572	3.2	19
2	General method for synthesizing pyranoid glycals. A new route to allal and gual derivatives. <i>Organic Letters</i> , 2006 , 8, 673-5	6.2	27
1	Stereoselective synthesis of 2-deoxy-2-iodo-glycosides from furanoses. A new route to 2-deoxy-glycosides and 2-deoxy-oligosaccharides of ribo and xylo configuration. <i>Journal of Organic Chemistry</i> , 2005 , 70, 10297-310	4.2	28