

Nicolau Cañellas

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

829
citations

516215

16
h-index

642321

23
g-index

29
all docs

29
docs citations

29
times ranked

1626
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomic Assessment of the Effect of Dietary Cholesterol in the Progressive Development of Fatty Liver Disease. <i>Journal of Proteome Research</i> , 2010, 9, 2527-2538.	1.8	141
2	Effects of Prebiotics vs a Diet Low in FODMAPs in Patients With Functional Gut Disorders. <i>Gastroenterology</i> , 2018, 155, 1004-1007.	0.6	88
3	Signal preprocessing, multivariate analysis and software tools for MA(LDI)â€œTOF mass spectrometry imaging for biological applications. <i>Mass Spectrometry Reviews</i> , 2018, 37, 281-306.	2.8	58
4	Novel hybrid materials for gas sensing applications made of metal-decorated MWCNTs dispersed on nano-particle metal oxides. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 174-182.	4.0	57
5	Dolphin: a tool for automatic targeted metabolite profiling using 1D and 2D 1H-NMR data. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7967-7976.	1.9	55
6	rDolphin: a GUI R package for proficient automatic profiling of 1D 1H-NMR spectra of study datasets. <i>Metabolomics</i> , 2018, 14, 24.	1.4	52
7	Identification of endogenous metabolites in human sperm cells using proton nuclear magnetic resonance (¹ H-NMR) spectroscopy and gas chromatography-mass spectrometry (GC-MS). <i>Andrology</i> , 2015, 3, 496-505.	1.9	48
8	Effect of pistachio consumption on the modulation of urinary gut microbiota-related metabolites in prediabetic subjects. <i>Journal of Nutritional Biochemistry</i> , 2017, 45, 48-53.	1.9	48
9	Fabrication and characterisation of microporous activated carbon-based pre-concentrators for benzene vapours. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 90-98.	4.0	39
10	Metabolic profiling and targeted lipidomics reveals a disturbed lipid profile in mothers and fetuses with intrauterine growth restriction. <i>Scientific Reports</i> , 2018, 8, 13614.	1.6	34
11	Compound identification in gas chromatography/mass spectrometry-based metabolomics by blind source separation. <i>Journal of Chromatography A</i> , 2015, 1409, 226-233.	1.8	26
12	A baseline metabolomic signature is associated with immunological CD4+ T-cell recovery after 36 months of antiretroviral therapy in HIV-infected patients. <i>Aids</i> , 2018, 32, 565-573.	1.0	26
13	Changes in Plasma Metabolite Concentrations after a Lowâ€œGlycemic Index Diet Intervention. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1700975.	1.5	26
14	Surface fitting of 2D diffusion-edited 1H NMR spectroscopy data for the characterisation of human plasma lipoproteins. <i>Metabolomics</i> , 2011, 7, 572-582.	1.4	25
15	Metabolic phenotyping of genetically modified mice: An NMR metabonomic approachâ€œ. <i>Biochimie</i> , 2009, 91, 1053-1057.	1.3	23
16	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, 611-618.	1.0	21
17	Paired maternal and fetal metabolomics reveal a differential fingerprint in preeclampsia versus fetal growth restriction. <i>Scientific Reports</i> , 2021, 11, 14422.	1.6	16
18	Selectivity Enhancement in Multisensor Systems Using Flow Modulation Techniques. <i>Sensors</i> , 2008, 8, 7369-7379.	2.1	15

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19	MS-electronic nose performance improvement using the retention time dimension and two-way and three-way data processing methods. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 759-768.	4.0	10
20	Metabolomic signature of the postprandial experience. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13447.	1.6	7
21	Use of multivariate chemometric algorithms on 1H NMR data to assess a soluble fiber (Plantago ovata) Tj ETQq1 1 0.784314 ₅ rgBT /Over	1.8	0
22	Speeding up hardware prototyping by incremental simulation/emulation. , 0, , .		3
23	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.	0.5	3
24	Improving sample classification by harnessing the potential of 1H-NMR signal chemical shifts. <i>Scientific Reports</i> , 2018, 8, 11886.	1.6	3
25	MS-Electronic Nose Performance Improvement Using GC Retention Times And 2-Way And 3-Way Data Processing Methods. , 2009, , .		0
26	A Fuzzy ARTMAP Approach To The Incorporation Of Chromatographic Retention Time Information To An MS Based E-Nose. , 2009, , .		0
27	208: Metabolic profiling and targeted lipidomics in small for gestational age and fetal growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 220, S150-S151.	0.7	0
28	Application of Machine Learning Solutions to Optimize Parameter Prediction to Enhance Automatic NMR Metabolite Profiling. <i>Metabolites</i> , 2022, 12, 283.	1.3	0