Beatriz JimÃ©nez

List of Publications by Year
in descending order

22 papers	1,166 citations	687363 13 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	2193 citing authors

#	Article	IF	Citations
1	Precision High-Throughput Proton NMR Spectroscopy of Human Urine, Serum, and Plasma for Large-Scale Metabolic Phenotyping. Analytical Chemistry, 2014, 86, 9887-9894.	6.5	419
2	Quantitative Lipoprotein Subclass and Low Molecular Weight Metabolite Analysis in Human Serum and Plasma by ^{1}H NMR Spectroscopy in a Multilaboratory Trial. Analytical Chemistry, 2018, 90, 11962-11971.	6.5	165
3	1H HR-MAS NMR Spectroscopy of Tumor-Induced Local Metabolic "Field-Effects" Enables Colorectal Cancer Staging and Prognostication. Journal of Proteome Research, 2013, 12, 959-968.	3.7	103
4	How to Feed the Mammalian Gut Microbiota: Bacterial and Metabolic Modulation by Dietary Fibers. Frontiers in Microbiology, 2017, 8, 1749.	3.5	86
5	Rapid Diagnosis and Staging of Colorectal Cancer via High-Resolution Magic Angle Spinning Nuclear Magnetic Resonance (HR-MAS NMR) Spectroscopy of Intact Tissue Biopsies. Annals of Surgery, 2014, 259, 1138-1149.	4.2	67
6	Metabolic phenotyping reveals a reduction in the bioavailability of serotonin and kynurenine pathway metabolites in both the urine and serum of individuals living with Alzheimer's disease. Alzheimer's Research and Therapy, 2021, 13, 20.	6.2	60
7	Reduced plasma levels of small HDL particles transporting fibrinolytic proteins in pulmonary arterial hypertension. Thorax, 2019, 74, 380-389.	5.6	34
8	The nPYc-Toolbox, a Python module for the pre-processing, quality-control and analysis of metabolic profiling datasets. Bioinformatics, 2019, 35, 5359-5360.	4.1	30
9	Urinary metabolic phenotyping for Alzheimer's disease. Scientific Reports, 2020, 10, 21745.	3.3	30
10	Metabonomic profiling: A novel approach in neuroendocrine neoplasias. Surgery, 2013, 154, 1185-1193.	1.9	26
11	Metabolic Profiling in Patients with Pneumonia on Intensive Care. EBioMedicine, 2017, 18, 244-253.	6.1	19
12	*J*-Resolved ^{1}H NMR 1D-Projections for Large-Scale Metabolic Phenotyping Studies: Application to Blood Plasma Analysis. Analytical Chemistry, 2017, 89, 11405-11412.	6.5	18
13	Circulating Metabolome and White Matter Hyperintensities in Women and Men. Circulation, 2022, 145, 1040-1052.	1.6	17
14	Patient Stratification in Sepsis: Using Metabolomics to Detect Clinical Phenotypes, Sub-Phenotypes and Therapeutic Response. Metabolites, 2022, 12, 376.	2.9	15
15	Urinary Metabolic Phenotyping of Women with Lower Urinary Tract Symptoms. Journal of Proteome Research, 2017, 16, 4208-4216.	3.7	13
16	SMolESY: an efficient and quantitative alternative to on-instrument macromolecular ^{1}H-NMR signal suppression. Chemical Science, 2020, 11, 6000-6011.	7.4	13
17	pJRES Binning Algorithm (JBA): a new method to facilitate the recovery of metabolic information from pJRES 1H NMR spectra. Bioinformatics, 2019, 35, 1916-1922.	4.1	12
18	Systematic Isolation and Structure Elucidation of Urinary Metabolites Optimized for the Analytical-Scale Molecular Profiling Laboratory. Analytical Chemistry, 2019, 91, 8873-8882.	6.5	11

#	Article	IF	Citations
19	Performance of metabonomic serum analysis for diagnostics in paediatric tuberculosis. Scientific Reports, 2020, 10, 7302.	3.3	11
20	A Computationally Lightweight Algorithm for Deriving Reliable Metabolite Panel Measurements from 1D ^{1}H NMR. Analytical Chemistry, 2021, 93, 4995-5000.	6.5	6
21	Structure Elucidation and Mitigation of Endogenous Interferences in LC-MS-Based Metabolic Profiling of Urine. Analytical Chemistry, 2022, 94, 1760-1768.	6.5	5
22	Neuroendocrine Neoplasms: Identification of Novel Metabolic Circuits of Potential Diagnostic Utility. Cancers, 2021, 13, 374.	3.7	3