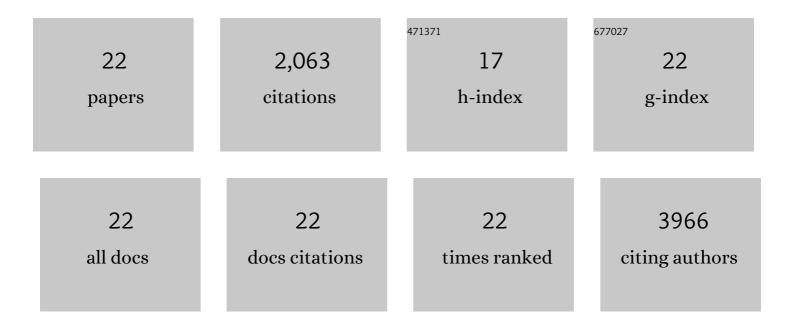
J Rafael Montenegro-Burke

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	METLIN: A Technology Platform for Identifying Knowns and Unknowns. Analytical Chemistry, 2018, 90, 3156-3164.	3.2	696
2	Metabolomics activity screening for identifying metabolites that modulate phenotype. Nature Biotechnology, 2018, 36, 316-320.	9.4	319
3	Annotation: A Computational Solution for Streamlining Metabolomics Analysis. Analytical Chemistry, 2018, 90, 480-489.	3.2	126
4	The METLIN small molecule dataset for machine learning-based retention timeÂprediction. Nature Communications, 2019, 10, 5811.	5.8	114
5	XCMS-MRM and METLIN-MRM: a cloud library and public resource for targeted analysis of small molecules. Nature Methods, 2018, 15, 681-684.	9.0	112
6	Exposome-Scale Investigations Guided by Global Metabolomics, Pathway Analysis, and Cognitive Computing. Analytical Chemistry, 2017, 89, 11505-11513.	3.2	106
7	PGRMC2 is an intracellular haem chaperone critical for adipocyte function. Nature, 2019, 576, 138-142.	13.7	96
8	Metabolomics-based discovery of a metabolite that enhances oligodendrocyte maturation. Nature Chemical Biology, 2018, 14, 22-28.	3.9	79
9	Autonomous METLIN-Guided In-source Fragment Annotation for Untargeted Metabolomics. Analytical Chemistry, 2019, 91, 3246-3253.	3.2	76
10	METLIN: A Tandem Mass Spectral Library of Standards. Methods in Molecular Biology, 2020, 2104, 149-163.	0.4	61
11	Unusual Kinetic Isotope Effects of Deuterium Reinforced Polyunsaturated Fatty Acids in Tocopherol-Mediated Free Radical Chain Oxidations. Journal of the American Chemical Society, 2014, 136, 838-841.	6.6	42
12	Metabolic rewiring of the hypertensive kidney. Science Signaling, 2019, 12, .	1.6	40
13	Lipid profiling of polarized human monocyte-derived macrophages. Prostaglandins and Other Lipid Mediators, 2016, 127, 1-8.	1.0	31
14	Activation of Kappa Opioid Receptor Regulates the Hypothermic Response to Calorie Restriction and Limits Body Weight Loss. Current Biology, 2019, 29, 4291-4299.e4.	1.8	25
15	Metabolic adaptation to calorie restriction. Science Signaling, 2020, 13, .	1.6	24
16	Data Streaming for Metabolomics: Accelerating Data Processing and Analysis from Days to Minutes. Analytical Chemistry, 2017, 89, 1254-1259.	3.2	23
17	Aqueous Epoxide Ring-Opening Polymerization (AEROP): Green Synthesis of Polyglycidol with Ultralow Branching. Macromolecules, 2016, 49, 2022-2027.	2.2	22
18	Metabolomics activity screening of T cell–induced colitis reveals anti-inflammatory metabolites. Science Signaling, 2021, 14, eabf6584.	1.6	19

#	Article	IF	CITATIONS
19	Nanoformulated Antiretroviral Therapy Attenuates Brain Metabolic Oxidative Stress. Molecular Neurobiology, 2019, 56, 2896-2907.	1.9	18
20	Smartphone Analytics: Mobilizing the Lab into the Cloud for Omic-Scale Analyses. Analytical Chemistry, 2016, 88, 9753-9758.	3.2	14
21	Cognitive analysis of metabolomics data for systems biology. Nature Protocols, 2021, 16, 1376-1418.	5.5	13
22	Novel behavior of the chromatographic separation of linear and cyclic polymers. Analytical and Bioanalytical Chemistry, 2016, 408, 677-681.	1.9	7