

# J Rafael Montenegro-Burke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1334946/publications.pdf>

Version: 2024-02-01

22  
papers

2,063  
citations

471371

17  
h-index

677027

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3966  
citing authors

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

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