

Nathaniel G Mahieu

List of Publications by Year in descending order

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16
papers

1,240
citations

687363

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h-index

940533

16
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docs citations

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times ranked

2701
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploiting the Inherent Photophysical Properties of the Major Tirapazamine Metabolite in the Development of Profluorescent Substrates for Enzymes That Catalyze the Bioreductive Activation of Hypoxia-Selective Anticancer Prodrugs. <i>Journal of Organic Chemistry</i> , 2018, 83, 3126-3131.	3.2	12
2	Consumption of NADPH for 2-HG Synthesis Increases Pentose Phosphate Pathway Flux and Sensitizes Cells to Oxidative Stress. <i>Cell Reports</i> , 2018, 22, 512-522.	6.4	74
3	Two complementary reversed-phase separations for comprehensive coverage of the semipolar and nonpolar metabolome. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1287-1297.	3.7	25
4	Trace Phosphate Improves ZIC-pHILIC Peak Shape, Sensitivity, and Coverage for Untargeted Metabolomics. <i>Journal of Proteome Research</i> , 2018, 17, 3537-3546.	3.7	32
5	Systems-Level Annotation of a Metabolomics Data Set Reduces 25,000 Features to Fewer than 1000 Unique Metabolites. <i>Analytical Chemistry</i> , 2017, 89, 10397-10406.	6.5	220
6	Warpgroup: increased precision of metabolomic data processing by consensus integration bound analysis. <i>Bioinformatics</i> , 2016, 32, 268-275.	4.1	26
7	Defining and Detecting Complex Peak Relationships in Mass Spectral Data: The Mz.unity Algorithm. <i>Analytical Chemistry</i> , 2016, 88, 9037-9046.	6.5	65
8	Lactate metabolism is associated with mammalian mitochondria. <i>Nature Chemical Biology</i> , 2016, 12, 937-943.	8.0	222
9	A roadmap for the XCMS family of software solutions in metabolomics. <i>Current Opinion in Chemical Biology</i> , 2016, 30, 87-93.	6.1	115
10	Bar Coding MS ² Spectra for Metabolite Identification. <i>Analytical Chemistry</i> , 2016, 88, 2538-2542.	6.5	4
11	Evidence that 2-hydroxyglutarate is not readily metabolized in colorectal carcinoma cells. <i>Cancer & Metabolism</i> , 2015, 3, 13.	5.0	10
12	Autonomous Metabolomics for Rapid Metabolite Identification in Global Profiling. <i>Analytical Chemistry</i> , 2015, 87, 884-891.	6.5	157
13	After the feature presentation: technologies bridging untargeted metabolomics and biology. <i>Current Opinion in Biotechnology</i> , 2014, 28, 143-148.	6.6	38
14	An Untargeted Metabolomic Workflow to Improve Structural Characterization of Metabolites. <i>Analytical Chemistry</i> , 2013, 85, 7713-7719.	6.5	67
15	The Disruption of <i>Celf6</i> , a Gene Identified by Translational Profiling of Serotonergic Neurons, Results in Autism-Related Behaviors. <i>Journal of Neuroscience</i> , 2013, 33, 2732-2753.	3.6	88
16	A View from Above: Cloud Plots to Visualize Global Metabolomic Data. <i>Analytical Chemistry</i> , 2013, 85, 798-804.	6.5	85