

Michael V Airola

List of Publications by Citations

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

722
citations

13
h-index

26
g-index

30
ext. papers

900
ext. citations

6.8
avg, IF

4.28
L-index

#	Paper	IF	Citations
25	Roles and regulation of neutral sphingomyelinase-2 in cellular and pathological processes. <i>Advances in Biological Regulation</i> , 2015 , 57, 24-41	6.2	109
24	Structure of concatenated HAMP domains provides a mechanism for signal transduction. <i>Structure</i> , 2010 , 18, 436-48	5.2	105
23	Sphingolipid metabolism and neutral sphingomyelinases. <i>Handbook of Experimental Pharmacology</i> , 2013 , 57-76	3.2	99
22	How lipid droplets "TAG" along: Glycerolipid synthetic enzymes and lipid storage. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 1131-1145	5	52
21	P53-dependent upregulation of neutral sphingomyelinase-2: role in doxorubicin-induced growth arrest. <i>Cell Death and Disease</i> , 2015 , 6, e1947	9.8	48
20	Structure of human nSMase2 reveals an interdomain allosteric activation mechanism for ceramide generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5549-E5558	11.5	44
19	HAMP domain conformers that propagate opposite signals in bacterial chemoreceptors. <i>PLoS Biology</i> , 2013 , 11, e1001479	9.7	44
18	Structural Basis for Ceramide Recognition and Hydrolysis by Human Neutral Ceramidase. <i>Structure</i> , 2015 , 23, 1482-1491	5.2	37
17	Architecture of the soluble receptor Aer2 indicates an in-line mechanism for PAS and HAMP domain signaling. <i>Journal of Molecular Biology</i> , 2013 , 425, 886-901	6.5	34
16	Co-expression of ferrochelatase allows for complete heme incorporation into recombinant proteins produced in E. coli. <i>Protein Expression and Purification</i> , 2010 , 73, 78-82	2	30
15	Heme binding to the Mammalian circadian clock protein period 2 is nonspecific. <i>Biochemistry</i> , 2010 , 49, 4327-38	3.2	29
14	Crystal structure of human PLD1 provides insight into activation by PI(4,5)P and RhoA. <i>Nature Chemical Biology</i> , 2020 , 16, 400-407	11.7	15
13	Mek1 coordinates meiotic progression with DNA break repair by directly phosphorylating and inhibiting the yeast pachytene exit regulator Ndt80. <i>PLoS Genetics</i> , 2018 , 14, e1007832	6	14
12	Crystal structure of a lipin/Pah phosphatidic acid phosphatase. <i>Nature Communications</i> , 2020 , 11, 1309	17.4	13
11	The juxtamembrane linker in neutral sphingomyelinase-2 functions as an intramolecular allosteric switch that activates the enzyme. <i>Journal of Biological Chemistry</i> , 2019 , 294, 7488-7502	5.4	10
10	Quantification of 3-ketodihydrospingosine using HPLC-ESI-MS/MS to study SPT activity in yeast. <i>Journal of Lipid Research</i> , 2018 , 59, 162-170	6.3	10
9	Structure and regulation of human phospholipase D. <i>Advances in Biological Regulation</i> , 2021 , 79, 1007836.2		7

8	Identifying divergent HAMP domains and poly-HAMP chains. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1e7; author reply 1e8	5.4	6
7	Identification and biochemical characterization of an acid sphingomyelinase-like protein from the bacterial plant pathogen <i>Ralstonia solanacearum</i> that hydrolyzes ATP to AMP but not sphingomyelin to ceramide. <i>PLoS ONE</i> , 2014 , 9, e105830	3.7	6
6	Biallelic loss-of-function variants in PLD1 cause congenital right-sided cardiac valve defects and neonatal cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	4
5	Identification of Small-Molecule Inhibitors of Neutral Ceramidase (nCDase) via Target-Based High-Throughput Screening. <i>SLAS Discovery</i> , 2021 , 26, 113-121	3.4	2
4	The middle lipin domain adopts a membrane-binding dimeric protein fold. <i>Nature Communications</i> , 2021 , 12, 4718	17.4	2
3	Structure and inhibition of <i>Cryptococcus neoformans</i> sterylglucosidase to develop antifungal agents. <i>Nature Communications</i> , 2021 , 12, 5885	17.4	1
2	Measurement of neutral ceramidase activity in vitro and in vivo.. <i>Analytical Biochemistry</i> , 2022 , 643, 114537	3.7	1
1	Structure and Function of Lipins: Key Enzymes in Triglyceride Metabolism. <i>FASEB Journal</i> , 2018 , 32, 672.6.9	6.9	1