

Michael Boyce

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

5,566
citations

430754

18
h-index

414303

32
g-index

40
all docs

40
docs citations

40
times ranked

8462
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical inhibitor of nonapoptotic cell death with therapeutic potential for ischemic brain injury. <i>Nature Chemical Biology</i> , 2005, 1, 112-119.	3.9	2,411
2	A Selective Inhibitor of eIF2 \hat{A} Dephosphorylation Protects Cells from ER Stress. <i>Science</i> , 2005, 307, 935-939.	6.0	1,277
3	Cellular response to endoplasmic reticulum stress: a matter of life or death. <i>Cell Death and Differentiation</i> , 2006, 13, 363-373.	5.0	614
4	Metabolic cross-talk allows labeling of O-linked $\hat{2}$ -N-acetylglucosamine-modified proteins via the N-acetylgalactosamine salvage pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3141-3146.	3.3	301
5	Metabolic labeling enables selective photocrosslinking of O-GlcNAc-modified proteins to their binding partners. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4834-4839.	3.3	127
6	O-GlcNAcylation of master growth repressor DELLA by SECRET AGENT modulates multiple signaling pathways in <i>Arabidopsis</i> . <i>Genes and Development</i> , 2016, 30, 164-176.	2.7	101
7	Caspases: an ancient cellular sword of Damocles. <i>Cell Death and Differentiation</i> , 2004, 11, 29-37.	5.0	93
8	Glycosylation of KEAP1 links nutrient sensing to redox stress signaling. <i>EMBO Journal</i> , 2017, 36, 2233-2250.	3.5	82
9	Site-specific glycosylation regulates the form and function of the intermediate filament cytoskeleton. <i>ELife</i> , 2018, 7, .	2.8	62
10	A pharmacoproteomic approach implicates eukaryotic elongation factor 2 kinase in ER stress-induced cell death. <i>Cell Death and Differentiation</i> , 2008, 15, 589-599.	5.0	50
11	Structural basis of O-GlcNAc recognition by mammalian 14-3-3 proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5956-5961.	3.3	50
12	The channel of death. <i>Journal of Cell Biology</i> , 2001, 155, 695-698.	2.3	42
13	Dynamic Glycosylation Governs the Vertebrate COPII Protein Trafficking Pathway. <i>Biochemistry</i> , 2018, 57, 91-107.	1.2	41
14	A Sweet Embrace: Control of Protein-Protein Interactions by O-Linked $\hat{2}$ -N-Acetylglucosamine. <i>Biochemistry</i> , 2018, 57, 13-21.	1.2	39
15	Functional crosstalk among oxidative stress and O-GlcNAc signaling pathways. <i>Glycobiology</i> , 2018, 28, 556-564.	1.3	35
16	A Chemical Glycoproteomics Platform Reveals O-GlcNAcylation of Mitochondrial Voltage-Dependent Anion Channel 2. <i>Cell Reports</i> , 2013, 5, 546-552.	2.9	33
17	Combined Atomic Force Microscope and Volumetric Light Sheet System for Correlative Force and Fluorescence Mechanobiology Studies. <i>Scientific Reports</i> , 2020, 10, 8133.	1.6	29
18	Scientific Societies Advancing STEM Workforce Diversity: Lessons and Outcomes from the Minorities Affairs Committee of the American Society for Cell Biology. <i>Journal of Microbiology and Biology Education</i> , 2020, 21, .	0.5	22

#	ARTICLE	IF	CITATIONS
19	Human UDP-galactose 4-epimerase (GALE) is required for cell-surface glycome structure and function. <i>Journal of Biological Chemistry</i> , 2020, 295, 1225-1239.	1.6	19
20	Life is sweet: the cell biology of glycoconjugates. <i>Molecular Biology of the Cell</i> , 2019, 30, 525-529.	0.9	18
21	Directing Traffic: Regulation of COPI Transport by Post-translational Modifications. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 190.	1.8	15
22	Human UDP-galactose 4-epimerase (GALE) is required for cell-surface glycome structure and function. <i>Journal of Biological Chemistry</i> , 2020, 295, 1225-1239.	1.6	12
23	A Novel Glycoproteomics Workflow Reveals Dynamic O-GlcNAcylation of COP1 ³¹ as a Candidate Regulator of Protein Trafficking. <i>Frontiers in Endocrinology</i> , 2018, 9, 606.	1.5	11
24	Gigaxonin glycosylation regulates intermediate filament turnover and may impact giant axonal neuropathy etiology or treatment. <i>JCI Insight</i> , 2020, 5, .	2.3	10
25	KEAP1 has a sweet spot: A new connection between intracellular glycosylation and redox stress signaling in cancer cells. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1361501.	0.3	9
26	Parallel Glyco-SPOT Synthesis of Glycopeptide Libraries. <i>Cell Chemical Biology</i> , 2020, 27, 1207-1219.e9.	2.5	9
27	Export Control: Post-transcriptional Regulation of the COPII Trafficking Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 618652.	1.8	9
28	Evidence for nutrient-dependent regulation of the COPII coat by O-GlcNAcylation. <i>Glycobiology</i> , 2021, 31, 1102-1120.	1.3	9
29	Base-pairing potential identified by in vitro selection predicts the kinked RNA backbone observed in the crystal structure of the alfalfa mosaic virus RNA-coat protein complex. <i>Journal of Molecular Recognition</i> , 2006, 19, 68-78.	1.1	5
30	Preparing for tenure at a research-intensive university. <i>BMC Proceedings</i> , 2021, 15, 14.	1.8	4
31	Endoplasmic Reticulum Stress Response in Cell Death and Cell Survival. , 0, , 51-62.		3
32	The Mammalian UDP-Galactose 4-Epimerase (GalE) Is Required for Cell Surface Glycome Structure and Function. <i>FASEB Journal</i> , 2019, 33, 798.6.	0.2	0