Michael Boyce

List of Publications by Year
in descending order

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	Preparing for tenure at a research-intensive university. BMC Proceedings, 2021, 15, 14.	1.8	4
2	Evidence for nutrient-dependent regulation of the COPII coat by O-GlcNAcylation. Glycobiology, 2021, 31, 1102-1120.	1.3	9
3	Human UDP-galactose 4â€²-epimerase (GALE) is required for cell-surface glycome structure and function. Journal of Biological Chemistry, 2020, 295, 1225-1239.	1.6	12
4	Combined Atomic Force Microscope and Volumetric Light Sheet System for Correlative Force and Fluorescence Mechanobiology Studies. Scientific Reports, 2020, 10, 8133.	1.6	29
5	Parallel Glyco-SPOT Synthesis of Glycopeptide Libraries. Cell Chemical Biology, 2020, 27, 1207-1219.e9.	2.5	9
6	Scientific Societies Advancing STEM Workforce Diversity: Lessons and Outcomes from the Minorities Affairs Committee of the American Society for Cell Biology. Journal of Microbiology and Biology Education, 2020, 21, .	0.5	22
7	Export Control: Post-transcriptional Regulation of the COPII Trafficking Pathway. Frontiers in Cell and Developmental Biology, 2020, 8, 618652.	1.8	9
8	Human UDP-galactose 4â€²-epimerase (GALE) is required for cell-surface glycome structure and function. Journal of Biological Chemistry, 2020, 295, 1225-1239.	1.6	19
9	Gigaxonin glycosylation regulates intermediate filament turnover and may impact giant axonal neuropathy etiology or treatment. JCI Insight, 2020, 5, .	2.3	10
10	Directing Traffic: Regulation of COPI Transport by Post-translational Modifications. Frontiers in Cell and Developmental Biology, 2019, 7, 190.	1.8	15
11	Life is sweet: the cell biology of glycoconjugates. Molecular Biology of the Cell, 2019, 30, 525-529.	0.9	18
12	The Mammalian UDPâ€Galactose 4â€²â€Epimerase (GalE) Is Required for Cell Surface Glycome Structure and Function. FASEB Journal, 2019, 33, 798.6.	0.2	0
13	Functional crosstalk among oxidative stress and O-GlcNAc signaling pathways. Glycobiology, 2018, 28, 556-564.	1.3	35
14	A Sweet Embrace: Control of Proteinâ€“Protein Interactions by O-Linked Î²-<i>N</i>-Acetylglucosamine. Biochemistry, 2018, 57, 13-21.	1.2	39
15	Dynamic Glycosylation Governs the Vertebrate COPII Protein Trafficking Pathway. Biochemistry, 2018, 57, 91-107.	1.2	41
16	A Novel Glycoproteomics Workflow Reveals Dynamic O-GlcNAcylation of COPÎ³1 as a Candidate Regulator of Protein Trafficking. Frontiers in Endocrinology, 2018, 9, 606.	1.5	11
17	Structural basis of O-GlcNAc recognition by mammalian 14-3-3 proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5956-5961.	3.3	50
18	Site-specific glycosylation regulates the form and function of the intermediate filament cytoskeleton. ELife, 2018, 7, .	2.8	62

#	Article	IF	Citations
19	KEAP1 has a sweet spot: A new connection between intracellular glycosylation and redox stress signaling in cancer cells. Molecular and Cellular Oncology, 2017, 4, e1361501.	0.3	9
20	Glycosylation of <scp>KEAP</scp>1 links nutrient sensing to redox stress signaling. EMBO Journal, 2017, 36, 2233-2250.	3.5	82
21	<i>O</i>-GlcNAcylation of master growth repressor DELLA by SECRET AGENT modulates multiple signaling pathways in <i>Arabidopsis</i>. Genes and Development, 2016, 30, 164-176.	2.7	101
22	A Chemical Glycoproteomics Platform Reveals O-GlcNAcylation of Mitochondrial Voltage-Dependent Anion Channel 2. Cell Reports, 2013, 5, 546-552.	2.9	33
23	Metabolic labeling enables selective photocrosslinking of O-GlcNAc-modified proteins to their binding partners. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4834-4839.	3.3	127
24	Metabolic cross-talk allows labeling of O-linked Î²- <i>N</i> -acetylglucosamine-modified proteins via the <i>N</i> -acetylgalactosamine salvage pathway. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3141-3146.	3.3	301
25	A pharmacoproteomic approach implicates eukaryotic elongation factor 2 kinase in ER stress-induced cell death. Cell Death and Differentiation, 2008, 15, 589-599.	5.0	50
26	Cellular response to endoplasmic reticulum stress: a matter of life or death. Cell Death and Differentiation, 2006, 13, 363-373.	5.0	614
27	Base-pairing potential identified byin vitro selection predicts the kinked RNA backbone observed in the crystal structure of the alfalfa mosaic virus RNA-coat protein complex. Journal of Molecular Recognition, 2006, 19, 68-78.	1.1	5
28	A Selective Inhibitor of eIF2Â Dephosphorylation Protects Cells from ER Stress. Science, 2005, 307, 935-939.	6.0	1,277
29	Chemical inhibitor of nonapoptotic cell death with therapeutic potential for ischemic brain injury. Nature Chemical Biology, 2005, 1, 112-119.	3.9	2,411
30	Caspases: an ancient cellular sword of Damocles. Cell Death and Differentiation, 2004, 11, 29-37.	5.0	93
31	The channel of death. Journal of Cell Biology, 2001, 155, 695-698.	2.3	42
32	Endoplasmic Reticulum Stress Response in Cell Death and Cell Survival. , 0, , 51-62.		3