Timothy W Rhoads

List of Publications by Year
in descending order

20	1,013	623734 14	752698 20
papers	citations	h-index	g-index

21	21	21	1844
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetically Encoded Tetrazine Amino Acid Directs Rapid Site-Specific in Vivo Bioorthogonal Ligation with trans-Cyclooctenes. Journal of the American Chemical Society, 2012, 134, 2898-2901.	13.7	229
2	Oral Treatment with Cu||(atsm) Increases Mutant SOD1 In Vivo but Protects Motor Neurons and Improves the Phenotype of a Transgenic Mouse Model of Amyotrophic Lateral Sclerosis. Journal of Neuroscience, 2014, 34, 8021-8031.	3.6	161
3	Copper delivery to the CNS by CuATSM effectively treats motor neuron disease in SODG93A mice co-expressing the Copper-Chaperone-for-SOD. Neurobiology of Disease, 2016, 89, 1-9.	4.4	126
4	Nitration of Hsp90 induces cell death. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1102-11.	7.1	122
5	NeuCode Proteomics Reveals Bap1 Regulation of Metabolism. Cell Reports, 2016, 16, 583-595.	6.4	57
6	Caloric Restriction Engages Hepatic RNA Processing Mechanisms in Rhesus Monkeys. Cell Metabolism, 2018, 27, 677-688.e5.	16.2	56
7	Neutron-Encoded Mass Signatures for Quantitative Top-Down Proteomics. Analytical Chemistry, 2014, 86, 2314-2319.	6.5	45
8	Molecular and Functional Networks Linked to Sarcopenia Prevention by Caloric Restriction in Rhesus Monkeys. Cell Systems, 2020, 10, 156-168.e5.	6.2	31
9	Acetyl-CoA flux regulates the proteome and acetyl-proteome to maintain intracellular metabolic crosstalk. Nature Communications, 2019, 10, 3929.	12.8	28
10	Measuring copper and zinc superoxide dismutase from spinal cord tissue using electrospray mass spectrometry. Analytical Biochemistry, 2011, 415, 52-58.	2.4	25
11	PGCâ€1a integrates a metabolism and growth network linked to caloric restriction. Aging Cell, 2019, 18, e12999.	6.7	25
12	Using Theoretical Protein Isotopic Distributions to Parse Small-Mass-Difference Post-Translational Modifications via Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2013, 24, 115-124.	2.8	22
13	NeuCode Labeling in Nematodes: Proteomic and Phosphoproteomic Impact of Ascaroside Treatment in Caenorhabditis elegans. Molecular and Cellular Proteomics, 2015, 14, 2922-2935.	3.8	20
14	Proteomics, Lipidomics, Metabolomics, and 16S DNA Sequencing of Dental Plaque From Patients With Diabetes and Periodontal Disease. Molecular and Cellular Proteomics, 2021, 20, 100126.	3.8	19
15	A Diiron Protein Autogenerates a Valine-Phenylalanine Cross-Link. Science, 2011, 332, 929-929.	12.6	16
16	Alpha-Ketoglutarate, the Metabolite that Regulates Aging in Mice. Cell Metabolism, 2020, 32, 323-325.	16.2	14
17	Caloric restriction has a new player. Science, 2022, 375, 620-621.	12.6	6
18	Taking the long view on metabolism. Science, 2021, 373, 738-739.	12.6	5

#	Article	IF	Citations
19	Metabolism in the Midwest: research from the Midwest Aging Consortium at the 49th Annual Meeting of the American Aging Association. GeroScience, 2022, 44, 39-52.	4.6	2
20	When cells are down on their LUC7L2, alternative splicing rewires metabolism for OXPHOS. Molecular Cell, 2021, 81, 1859-1860.	9.7	1