

Natasha E Zachara

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,040
citations

236925

25
h-index

395702

33
g-index

40
all docs

40
docs citations

40
times ranked

3010
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial DNA and TLR9 activation contribute to SARS-CoV-2-induced endothelial cell damage. <i>Vascular Pharmacology</i> , 2022, 142, 106946.	2.1	59
2	Regulation of Cell Physiology by O-GlcNAc. , 2022, , .		0
3	Regulation of Liver Regeneration by Hepatocyte O-GlcNAcylation in Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1510-1529.	4.5	18
4	Quantitative Proteomics Reveals that the OGT Interactome Is Remodeled in Response to Oxidative Stress. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100069.	3.8	21
5	Oxidized CaMKII and O-GlcNAcylation cause increased atrial fibrillation in diabetic mice by distinct mechanisms. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	40
6	Excessive O-GlcNAcylation Causes Heart Failure and Sudden Death. <i>Circulation</i> , 2021, 143, 1687-1703.	1.6	65
7	Detection and Analysis of Proteins Modified by O-Linked N-Acetylglucosamine. <i>Current Protocols</i> , 2021, 1, e129.	2.9	8
8	Mammalian cell proliferation requires noncatalytic functions of O-GlcNAc transferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	48
9	Post-translational Regulation of FNIP1 Creates a Rheostat for the Molecular Chaperone Hsp90. <i>Cell Reports</i> , 2019, 26, 1344-1356.e5.	6.4	38
10	New use for CETSA: monitoring innate immune receptor stability via post-translational modification by OGT. <i>Journal of Bioenergetics and Biomembranes</i> , 2018, 50, 231-240.	2.3	16
11	BioSITE: A Method for Direct Detection and Quantitation of Site-Specific Biotinylation. <i>Journal of Proteome Research</i> , 2018, 17, 759-769.	3.7	70
12	Modulation of O-GlcNAc Levels in the Liver Impacts Acetaminophen-Induced Liver Injury by Affecting Protein Adduct Formation and Glutathione Synthesis. <i>Toxicological Sciences</i> , 2018, 162, 599-610.	3.1	26
13	Critical observations that shaped our understanding of the function(s) of intracellular glycosylation (O-GlcNAc). <i>FEBS Letters</i> , 2018, 592, 3950-3975.	2.8	38
14	Monitoring Innate Immune Receptor Stability via Post-translational Modification by OGT. <i>FASEB Journal</i> , 2018, 32, 791.20.	0.5	0
15	Stress-induced O-GlcNAcylation: an adaptive process of injured cells. <i>Biochemical Society Transactions</i> , 2017, 45, 237-249.	3.4	89
16	Fatty acid synthase inhibits the O-GlcNAcase during oxidative stress. <i>Journal of Biological Chemistry</i> , 2017, 292, 6493-6511.	3.4	52
17	Characterization of tools to detect and enrich human and mouse O-GlcNAcase. <i>Glycobiology</i> , 2017, 27, 791-795.	2.5	2
18	Sustained O-GlcNAcylation reprograms mitochondrial function to regulate energy metabolism. <i>Journal of Biological Chemistry</i> , 2017, 292, 14940-14962.	3.4	79

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19	Hijacking the Hexosamine Biosynthetic Pathway to Promote EMT-Mediated Neoplastic Phenotypes. <i>Frontiers in Oncology</i> , 2016, 6, 85.	2.8	41
20	Combined Antibody/Lectin Enrichment Identifies Extensive Changes in the <i>O</i> -GlcNAc Sub-proteome upon Oxidative Stress. <i>Journal of Proteome Research</i> , 2016, 15, 4318-4336.	3.7	50
21	Identification and biological consequences of the <i>O</i> -GlcNAc modification of the human innate immune receptor, Nod2. <i>Glycobiology</i> , 2015, 26, cwv076.	2.5	21
22	Characterization of the specificity of <i>O</i> -GlcNAc reactive antibodies under conditions of starvation and stress. <i>Analytical Biochemistry</i> , 2014, 457, 8-18.	2.4	41
23	Dynamic <i>O</i> -GlcNAcylation and its roles in the cellular stress response and homeostasis. <i>Cell Stress and Chaperones</i> , 2013, 18, 535-558.	2.9	112
24	Impact of <i>O</i> -GlcNAc on cardioprotection by remote ischaemic preconditioning in non-diabetic and diabetic patients. <i>Cardiovascular Research</i> , 2013, 97, 369-378.	3.8	85
25	The roles of <i>O</i> -linked β - <i>N</i> -acetylglucosamine in cardiovascular physiology and disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1905-H1918.	3.2	63
26	<i>O</i> -GlcNAc, A Novel Paradigm for Regulating Stress-Induced Signal Transduction Pathways. <i>FASEB Journal</i> , 2012, 26, 607.1.	0.5	0
27	Detection and Analysis of Proteins Modified by <i>O</i> -Linked <i>N</i> -Acetylglucosamine. <i>Current Protocols in Protein Science</i> , 2011, 66, Unit12.8.	2.8	51
28	Detection and Analysis of Proteins Modified by <i>O</i> -Linked <i>N</i> -Acetylglucosamine. <i>Current Protocols in Molecular Biology</i> , 2011, 95, Unit 17.6.	2.9	34
29	The dynamic stress-induced <i>O</i> -GlcNAc-ome highlights functions for <i>O</i> -GlcNAc in regulating DNA damage/repair and other cellular pathways. <i>Amino Acids</i> , 2011, 40, 793-808.	2.7	103
30	<i>O</i> -Linked β - <i>N</i> -acetylglucosamine (<i>O</i> -GlcNAc) Regulates Stress-induced Heat Shock Protein Expression in a GSK-3 β -dependent Manner. <i>Journal of Biological Chemistry</i> , 2010, 285, 39096-39107.	3.4	147
31	The Goldilocks Effect: Identifying the Mechanism by Which <i>O</i> -GlcNAc Regulates the expression of OGT and <i>O</i> -GlcNAcase in Response to Changes in Cellular State. <i>FASEB Journal</i> , 2010, 24, 480.8.	0.5	0
32	Unique Hexosaminidase Reduces Metabolic Survival Signal and Sensitizes Cardiac Myocytes to Hypoxia/Reoxygenation Injury. <i>Circulation Research</i> , 2009, 104, 41-49.	4.5	132
33	Detecting the <i>O</i> -GlcNAc-ome; Detection, Purification, and Analysis of <i>O</i> -GlcNAc Modified Proteins. , 2009, 534, 250-279.		22
34	Cardioprotection by <i>N</i> -Acetylglucosamine Linkage to Cellular Proteins. <i>Circulation</i> , 2008, 117, 1172-1182.	1.6	215
35	Detection and Analysis of (<i>O</i> -linked β - <i>N</i> -Acetylglucosamine)-Modified Proteins. <i>Methods in Molecular Biology</i> , 2008, 464, 227-254.	0.9	10
36	Dynamic Intracellular Glycosylation: <i>O</i> -GlcNAc, is a Key Modulator of Glutamine-Mediated Cellular Protection and Heat Shock Protein 72 Induction. <i>FASEB Journal</i> , 2008, 22, 648.3.	0.5	0

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37	O-GlcNAcylation: a new post-translational modification of ribosomal proteins. FASEB Journal, 2007, 21, A280.	0.5	0
38	Dynamic O-GlcNAc Modification of Nucleocytoplasmic Proteins in Response to Stress. Journal of Biological Chemistry, 2004, 279, 30133-30142.	3.4	485
39	Ogt -Dependent X-Chromosome-Linked Protein Glycosylation Is a Requisite Modification in Somatic Cell Function and Embryo Viability. Molecular and Cellular Biology, 2004, 24, 1680-1690.	2.3	391
40	O-GlcNAc a sensor of cellular state: the role of nucleocytoplasmic glycosylation in modulating cellular function in response to nutrition and stress. Biochimica Et Biophysica Acta - General Subjects, 2004, 1673, 13-28.	2.4	368