

Lauren E Ball

List of Publications by Year in descending order

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53
papers

1,895
citations

236925

25
h-index

276875

41
g-index

53
all docs

53
docs citations

53
times ranked

3063
citing authors

#	ARTICLE	IF	CITATIONS
1	CD38-NAD ⁺ Axis Regulates Immunotherapeutic Anti-Tumor T Cell Response. <i>Cell Metabolism</i> , 2018, 27, 85-100.e8.	16.2	197
2	Post-translational Modifications of Aquaporin 0 (AQPO) in the Normal Human Lens: Spatial and Temporal Occurrence. <i>Biochemistry</i> , 2004, 43, 9856-9865.	2.5	104
3	Interlaboratory Study on Differential Analysis of Protein Glycosylation by Mass Spectrometry: The ABRF Glycoprotein Research Multi-Institutional Study 2012. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2935-2951.	3.8	103
4	Protein O-linked β -N-acetylglucosamine: A novel effector of cardiomyocyte metabolism and function. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 538-549.	1.9	102
5	Identification of the Major Site of O-Linked β -N-Acetylglucosamine Modification in the C Terminus of Insulin Receptor Substrate-1. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 313-323.	3.8	78
6	O-Linked N-Acetylglucosamine Modification of Insulin Receptor Substrate-1 Occurs in Close Proximity to Multiple SH2 Domain Binding Motifs. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2733-2745.	3.8	76
7	The lineage stability and suppressive program of regulatory T cells require protein O-GlcNAcylation. <i>Nature Communications</i> , 2019, 10, 354.	12.8	74
8	Mapping Extracellular Matrix Proteins in Formalin-Fixed, Paraffin-Embedded Tissues by MALDI Imaging Mass Spectrometry. <i>Journal of Proteome Research</i> , 2018, 17, 635-646.	3.7	70
9	Water Permeability of C-Terminally Truncated Aquaporin 0 (AQPO 1-243) Observed in the Aging Human Lens. <i>J Biol Chem</i> , 2003, 278, 4820.		64
10	Identification of O-Linked N-Acetylglucosamine (O-GlcNAc)-modified Osteoblast Proteins by Electron Transfer Dissociation Tandem Mass Spectrometry Reveals Proteins Critical for Bone Formation. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 945-955.	3.8	63
11	O-GlcNAc transferase and O-GlcNAcase: achieving target substrate specificity. <i>Amino Acids</i> , 2014, 46, 2305-2316.	2.7	63
12	A Novel Quantitative Mass Spectrometry Platform for Determining Protein O-GlcNAcylation Dynamics. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2462-2475.	3.8	63
13	Reduction of O-GlcNAc protein modification does not prevent insulin resistance in 3T3-L1 adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E884-E890.	3.5	57
14	Mass spectrometric analysis of integral membrane proteins: Application to complete mapping of bacteriorhodopsins and rhodopsin. <i>Protein Science</i> , 1998, 7, 758-764.	7.6	56
15	O-GlcNAc Modification of the runt-Related Transcription Factor 2 (Runx2) Links Osteogenesis and Nutrient Metabolism in Bone Marrow Mesenchymal Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3381-3395.	3.8	53
16	HDAC1 localizes to the mitochondria of cardiac myocytes and contributes to early cardiac reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 114, 309-319.	1.9	48
17	Extracellular Matrix Imaging of Breast Tissue Pathologies by MALDI Imaging Mass Spectrometry. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1700152.	1.6	44
18	Chronic intermittent ethanol exposure and withdrawal leads to adaptations in nucleus accumbens core postsynaptic density proteome and dendritic spines. <i>Addiction Biology</i> , 2016, 21, 560-574.	2.6	43

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19	Orbitofrontal Neuroadaptations and Cross-Species Synaptic Biomarkers in Heavy-Drinking Macaques. <i>Journal of Neuroscience</i> , 2017, 37, 3646-3660.	3.6	43
20	Post-translational Modifications: A Major Focus for the Future of Proteomics. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3443.	3.8	40
21	PRMT5-mediated arginine methylation activates AKT kinase to govern tumorigenesis. <i>Nature Communications</i> , 2021, 12, 3444.	12.8	39
22	Intracellular Protein O-GlcNAc Modification Integrates Nutrient Status with Transcriptional and Metabolic Regulation. <i>Advances in Cancer Research</i> , 2015, 126, 137-166.	5.0	33
23	Altered redox regulation and S-glutathionylation of BiP contribute to bortezomib resistance in multiple myeloma. <i>Free Radical Biology and Medicine</i> , 2020, 160, 755-767.	2.9	30
24	S-Glutathionylation of estrogen receptor β affects dendritic cell function. <i>Journal of Biological Chemistry</i> , 2018, 293, 4366-4380.	3.4	29
25	Thioredoxin-1 improves the immunometabolic phenotype of antitumor T cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 9198-9212.	3.4	28
26	Phosphorylation and Glycosylation of Bovine Lens MP20. , 2005, 46, 627.		27
27	Isoflavone ME-344 Disrupts Redox Homeostasis and Mitochondrial Function by Targeting Heme Oxygenase 1. <i>Cancer Research</i> , 2019, 79, 4072-4085.	0.9	27
28	Exploring G protein-coupled receptor signaling networks using SILAC-based phosphoproteomics. <i>Methods</i> , 2016, 92, 36-50.	3.8	23
29	Extracellular matrix alterations in low-grade lung adenocarcinoma compared with normal lung tissue by imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4450.	1.6	23
30	Insulin receptor substrate 1 is a substrate of the Pim protein kinases. <i>Oncotarget</i> , 2016, 7, 20152-20165.	1.8	22
31	Zonal regulation of collagen-type proteins and posttranslational modifications in prostatic benign and cancer tissues by imaging mass spectrometry. <i>Prostate</i> , 2020, 80, 1071-1086.	2.3	21
32	Carbon Monoxide Activates PERK-Regulated Autophagy to Induce Immunometabolic Reprogramming and Boost Antitumor T-cell Function. <i>Cancer Research</i> , 2022, 82, 1969-1990.	0.9	21
33	Nitration and Glycation Turn Mature NGF into a Toxic Factor for Motor Neurons: A Role for p75 ^{NTR} and RAGE Signaling in ALS. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1587-1602.	5.4	18
34	Remodeling Translation Primes CD8+ T-cell Antitumor Immunity. <i>Cancer Immunology Research</i> , 2020, 8, 587-595.	3.4	17
35	Changes in Protein Expression and Lysine Acetylation Induced by Decreased Glutathione Levels in Astrocytes. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 493-505.	3.8	16
36	Collagen fiber regulation in human pediatric aortic valve development and disease. <i>Scientific Reports</i> , 2021, 11, 9751.	3.3	15

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37	Post-translational S-glutathionylation of cofilin increases actin cycling during cocaine seeking. PLoS ONE, 2019, 14, e0223037.	2.5	14
38	Defining the Tumor Microenvironment by Integration of Immunohistochemistry and Extracellular Matrix Targeted Imaging Mass Spectrometry. Cancers, 2021, 13, 4419.	3.7	14
39	Olfactory cleft mucus proteome in chronic rhinosinusitis: a case-control pilot study. International Forum of Allergy and Rhinology, 2021, 11, 1162-1176.	2.8	8
40	Proximity-dependent biotinylation detects associations between SARS coronavirus nonstructural protein 1 and stress granule-associated proteins. Journal of Biological Chemistry, 2021, 297, 101399.	3.4	7
41	Voltage-Dependent Anion Channels Influence Cytotoxicity of ME-344, a Therapeutic Isoflavone. Journal of Pharmacology and Experimental Therapeutics, 2020, 374, 308-318.	2.5	6
42	The DNA-binding protein CST associates with the cohesin complex and promotes chromosome cohesion. Journal of Biological Chemistry, 2021, 297, 101026.	3.4	6
43	Proteomic Analysis of Exosomes Secreted from Human Alpha-1 Antitrypsin Overexpressing Mesenchymal Stromal Cells. Biology, 2022, 11, 9.	2.8	4
44	Mass spectrometric analysis of G protein-coupled receptors. Methods in Enzymology, 2002, 343, 157-161.	1.0	3
45	Hepatitis C virus treatment with direct-acting antivirals induces rapid changes in the hepatic proteome. Journal of Viral Hepatitis, 2021, 28, 1614-1623.	2.0	2
46	Preface. Advances in Cancer Research, 2015, 126, xiii-xiv.	5.0	1
47	IRS1/2 Mediated Regulation of Hepatic OGT and OGA Expression. FASEB Journal, 2012, 26, 759.15.	0.5	0
48	Identification of Proteins O-GlcNAc Modified During Osteoblastogenesis. FASEB Journal, 2012, 26, 776.14.	0.5	0
49	Identification of Osteoblast Proteins O-GlcNAc Modified During Osteogenesis. FASEB Journal, 2013, 27, 827.1.	0.5	0
50	O-GlcNAc Modification of Runx2 Links Nutrient Metabolism with Osteogenesis. FASEB Journal, 2015, 29, 728.46.	0.5	0
51	O-GlcNAc Modified Residues of IRS1 Impact Postprandial Lipid Metabolism. FASEB Journal, 2015, 29, 728.47.	0.5	0
52	FOXP3 O-GlcNAcylation Controls Regulatory T Cell Homeostasis and Suppressive Function. FASEB Journal, 2018, 32, 673.10.	0.5	0
53	522...Metabolic requisites for T cell protein translation in tumors. , 2020, 8, A558-A558.		0