

# Lauren E Ball

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Proteomic Analysis of Exosomes Secreted from Human Alpha-1 Antitrypsin Overexpressing Mesenchymal Stromal Cells. <i>Biology</i> , 2022, 11, 9.	2.8	4
2	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
3	Olfactory cleft mucus proteome in chronic rhinosinusitis: a case-control pilot study. <i>International Forum of Allergy and Rhinology</i> , 2021, 11, 1162-1176.	2.8	8
4	Collagen fiber regulation in human pediatric aortic valve development and disease. <i>Scientific Reports</i> , 2021, 11, 9751.	3.3	15
5	PRMT5-mediated arginine methylation activates AKT kinase to govern tumorigenesis. <i>Nature Communications</i> , 2021, 12, 3444.	12.8	39
6	Hepatitis C virus treatment with direct-acting antivirals induces rapid changes in the hepatic proteome. <i>Journal of Viral Hepatitis</i> , 2021, 28, 1614-1623.	2.0	2
7	The DNA-binding protein CST associates with the cohesin complex and promotes chromosome cohesion. <i>Journal of Biological Chemistry</i> , 2021, 297, 101026.	3.4	6
8	Defining the Tumor Microenvironment by Integration of Immunohistochemistry and Extracellular Matrix Targeted Imaging Mass Spectrometry. <i>Cancers</i> , 2021, 13, 4419.	3.7	14
9	Proximity-dependent biotinylation detects associations between SARS coronavirus nonstructural protein 1 and stress granule-associated proteins. <i>Journal of Biological Chemistry</i> , 2021, 297, 101399.	3.4	7
10	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
11	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
12	Voltage-Dependent Anion Channels Influence Cytotoxicity of ME-344, a Therapeutic Isoflavone. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 374, 308-318.	2.5	6
13	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
14	Remodeling Translation Primes CD8+ T-cell Antitumor Immunity. <i>Cancer Immunology Research</i> , 2020, 8, 587-595.	3.4	17
15	522...Metabolic requisites for T cell protein translation in tumors. , 2020, 8, A558-A558.		0
16	Post-translational S-glutathionylation of cofilin increases actin cycling during cocaine seeking. <i>PLoS ONE</i> , 2019, 14, e0223037.	2.5	14
17	The lineage stability and suppressive program of regulatory T cells require protein O-GlcNAcylation. <i>Nature Communications</i> , 2019, 10, 354.	12.8	74
18	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

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19	Thioredoxin-1 improves the immunometabolic phenotype of antitumor T cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 9198-9212.	3.4	28
20	Extracellular Matrix Imaging of Breast Tissue Pathologies by MALDI Imaging Mass Spectrometry. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1700152.	1.6	44
21	S-Glutathionylation of estrogen receptor $\beta$ affects dendritic cell function. <i>Journal of Biological Chemistry</i> , 2018, 293, 4366-4380.	3.4	29
22	Nitration and Glycation Turn Mature NGF into a Toxic Factor for Motor Neurons: A Role for p75 <sup>NTR</sup> and RAGE Signaling in ALS. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1587-1602.	5.4	18
23	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
24	CD38-NAD <sup>+</sup> Axis Regulates Immunotherapeutic Anti-Tumor T Cell Response. <i>Cell Metabolism</i> , 2018, 27, 85-100.e8.	16.2	197
25	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
26	FOXP3 O-GlcNAcylation Controls Regulatory T Cell Homeostasis and Suppressive Function. <i>FASEB Journal</i> , 2018, 32, 673.10.	0.5	0
27	Orbitofrontal Neuroadaptations and Cross-Species Synaptic Biomarkers in Heavy-Drinking Macaques. <i>Journal of Neuroscience</i> , 2017, 37, 3646-3660.	3.6	43
28	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
29	Exploring G protein-coupled receptor signaling networks using SILAC-based phosphoproteomics. <i>Methods</i> , 2016, 92, 36-50.	3.8	23
30	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
31	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
32	Insulin receptor substrate 1 is a substrate of the Pim protein kinases. <i>Oncotarget</i> , 2016, 7, 20152-20165.	1.8	22
33	Preface. <i>Advances in Cancer Research</i> , 2015, 126, xiii-xiv.	5.0	1
34	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
35	O-GlcNAc Modification of Runx2 Links Nutrient Metabolism with Osteogenesis. <i>FASEB Journal</i> , 2015, 29, 728.46.	0.5	0
36	O-GlcNAc Modified Residues of IRS1 Impact Postprandial Lipid Metabolism. <i>FASEB Journal</i> , 2015, 29, 728.47.	0.5	0

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37	O-GlcNAc transferase and O-GlcNAcase: achieving target substrate specificity. <i>Amino Acids</i> , 2014, 46, 2305-2316.	2.7	63
38	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
39	Post-translational Modifications: A Major Focus for the Future of Proteomics. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3443.	3.8	40
40	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
41	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
42	Identification of Osteoblast Proteins O-GlcNAc Modified During Osteogenesis. <i>FASEB Journal</i> , 2013, 27, 827.1.	0.5	0
43	Protein O-linked $\beta$ -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
44	IRS-1/2 Mediated Regulation of Hepatic OGT and OGA Expression. <i>FASEB Journal</i> , 2012, 26, 759.15.	0.5	0
45	Identification of Proteins O-GlcNAc Modified During Osteoblastogenesis. <i>FASEB Journal</i> , 2012, 26, 776.14.	0.5	0
46	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
47	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
48	Identification of the Major Site of O-Linked $\beta$ -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
49	Phosphorylation and Glycosylation of Bovine Lens MP20. , 2005, 46, 627.		27
50	Post-translational Modifications of Aquaporin 0 (AQPO) in the Normal Human Lens: A Spatial and Temporal Occurrence. <i>Biochemistry</i> , 2004, 43, 9856-9865.	2.5	104
51	Water Permeability of C-Terminally Truncated Aquaporin 0 (AQPO 1-243) Observed in the Aging Human Lens. , 2003, 44, 4820.		64
52	Mass spectrometric analysis of G protein-coupled receptors. <i>Methods in Enzymology</i> , 2002, 343, 157-161.	1.0	3
53	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