

Timothy E Mcgraw

List of Publications by Year in descending order

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53
papers

8,166
citations

94269

37
h-index

182168

51
g-index

61
all docs

61
docs citations

61
times ranked

11154
citing authors

#	ARTICLE	IF	CITATIONS
1	Endocytic recycling. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 121-132.	16.1	1,657
2	The lung microenvironment: an important regulator of tumour growth and metastasis. <i>Nature Reviews Cancer</i> , 2019, 19, 9-31.	12.8	692
3	Discovery of a Class of Endogenous Mammalian Lipids with Anti-Diabetic and Anti-inflammatory Effects. <i>Cell</i> , 2014, 159, 318-332.	13.5	639
4	Biochemical and cellular properties of insulin receptor signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 31-44.	16.1	486
5	The Akt kinases: Isoform specificity in metabolism and cancer. <i>Cell Cycle</i> , 2009, 8, 2502-2508.	1.3	424
6	Rab10, a Target of the AS160 Rab GAP, Is Required for Insulin-Stimulated Translocation of GLUT4 to the Adipocyte Plasma Membrane. <i>Cell Metabolism</i> , 2007, 5, 293-303.	7.2	304
7	Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. <i>Cell Metabolism</i> , 2016, 23, 1078-1092.	7.2	302
8	Full intracellular retention of GLUT4 requires AS160 Rab GTPase activating protein. <i>Cell Metabolism</i> , 2005, 2, 263-272.	7.2	275
9	An Endocytosed TGN38 Chimeric Protein Is Delivered to the TGN after Trafficking through the Endocytic Recycling Compartment in CHO Cells. <i>Journal of Cell Biology</i> , 1998, 142, 923-936.	2.3	235
10	Thirty sweet years of GLUT4. <i>Journal of Biological Chemistry</i> , 2019, 294, 11369-11381.	1.6	223
11	Insulin Stimulation of GLUT4 Exocytosis, but Not Its Inhibition of Endocytosis, Is Dependent on RabGAP AS160. <i>Molecular Biology of the Cell</i> , 2004, 15, 4406-4415.	0.9	197
12	Insulin-modulated Akt subcellular localization determines Akt isoform-specific signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7004-7009.	3.3	175
13	Phosphorylation of TXNIP by AKT Mediates Acute Influx of Glucose in Response to Insulin. <i>Cell Reports</i> , 2017, 19, 2005-2013.	2.9	175
14	Insulin Signaling Diverges into Akt-dependent and -independent Signals to Regulate the Recruitment/Docking and the Fusion of GLUT4 Vesicles to the Plasma Membrane. <i>Molecular Biology of the Cell</i> , 2006, 17, 4484-4493.	0.9	174
15	GLUT4 Is Retained by an Intracellular Cycle of Vesicle Formation and Fusion with Endosomes. <i>Molecular Biology of the Cell</i> , 2004, 15, 870-882.	0.9	164
16	GLUT4 Retention in Adipocytes Requires Two Intracellular Insulin-regulated Transport Steps. <i>Molecular Biology of the Cell</i> , 2002, 13, 2421-2435.	0.9	158
17	Distinct Akt phosphorylation states are required for insulin regulated Glut4 and Glut1-mediated glucose uptake. <i>ELife</i> , 2017, 6, .	2.8	121
18	Insulin-regulated Release from the Endosomal Recycling Compartment Is Regulated by Budding of Specialized Vesicles. <i>Molecular Biology of the Cell</i> , 2001, 12, 3489-3501.	0.9	119

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19	Absence of Carbohydrate Response Element Binding Protein in Adipocytes Causes Systemic Insulin Resistance and Impairs Glucose Transport. <i>Cell Reports</i> , 2017, 21, 1021-1035.	2.9	103
20	GLUT4 is internalized by a cholesterol-dependent nystatin-sensitive mechanism inhibited by insulin. <i>EMBO Journal</i> , 2006, 25, 5648-5658.	3.5	102
21	The Microenvironment of Lung Cancer and Therapeutic Implications. <i>Advances in Experimental Medicine and Biology</i> , 2016, 890, 75-110.	0.8	96
22	Hyperinsulinemia leads to uncoupled insulin regulation of the GLUT4 glucose transporter and the FoxO1 transcription factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10162-10167.	3.3	86
23	Metabolic Alterations in Lung Cancer—Associated Fibroblasts Correlated with Increased Glycolytic Metabolism of the Tumor. <i>Molecular Cancer Research</i> , 2013, 11, 579-592.	1.5	79
24	GLUT4 Distribution between the Plasma Membrane and the Intracellular Compartments Is Maintained by an Insulin-modulated Bipartite Dynamic Mechanism. <i>Journal of Biological Chemistry</i> , 2006, 281, 484-490.	1.6	74
25	A Naturally Occurring GIP Receptor Variant Undergoes Enhanced Agonist-Induced Desensitization, Which Impairs GIP Control of Adipose Insulin Sensitivity. <i>Molecular and Cellular Biology</i> , 2014, 34, 3618-3629.	1.1	74
26	Characterization of the Insulin-regulated Endocytic Recycling Mechanism in 3T3-L1 Adipocytes Using a Novel Reporter Molecule. <i>Journal of Biological Chemistry</i> , 2000, 275, 4787-4795.	1.6	72
27	Molecular Mechanisms Controlling GLUT4 Intracellular Retention. <i>Molecular Biology of the Cell</i> , 2008, 19, 3477-3487.	0.9	72
28	Specialized sorting of GLUT4 and its recruitment to the cell surface are independently regulated by distinct Rabs. <i>Molecular Biology of the Cell</i> , 2013, 24, 2544-2557.	0.9	65
29	Reciprocal Regulation of Endocytosis and Metabolism. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016964-a016964.	2.3	65
30	GLUT4 Is Sorted to Vesicles Whose Accumulation Beneath and Insertion into the Plasma Membrane Are Differentially Regulated by Insulin and Selectively Affected by Insulin Resistance. <i>Molecular Biology of the Cell</i> , 2010, 21, 1375-1386.	0.9	56
31	Insulin-regulated Aminopeptidase Is a Key Regulator of GLUT4 Trafficking by Controlling the Sorting of GLUT4 from Endosomes to Specialized Insulin-regulated Vesicles. <i>Molecular Biology of the Cell</i> , 2010, 21, 2034-2044.	0.9	56
32	The Carboxyl Terminus of GLUT4 Contains a Serine-Leucine-Leucine Sequence That Functions as a Potent Internalization Motif in Chinese Hamster Ovary Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 20660-20668.	1.6	53
33	Insulin action in adipocytes, adipose remodeling, and systemic effects. <i>Cell Metabolism</i> , 2021, 33, 748-757.	7.2	51
34	SEC16A is a RAB10 effector required for insulin-stimulated GLUT4 trafficking in adipocytes. <i>Journal of Cell Biology</i> , 2016, 214, 61-76.	2.3	49
35	Identification of an Insulin-responsive, Slow Endocytic Recycling Mechanism in Chinese Hamster Ovary Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 17968-17977.	1.6	46
36	Disruption of Adipose Rab10-Dependent Insulin Signaling Causes Hepatic Insulin Resistance. <i>Diabetes</i> , 2016, 65, 1577-1589.	0.3	46

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37	Gastric Inhibitory Peptide Controls Adipose Insulin Sensitivity via Activation of cAMP-response Element-binding Protein and p110 β Isoform of Phosphatidylinositol 3-Kinase. <i>Journal of Biological Chemistry</i> , 2011, 286, 43062-43070.	1.6	44
38	Downregulation of a GPCR by β 2-Arrestin2-Mediated Switch from an Endosomal to a TGN Recycling Pathway. <i>Cell Reports</i> , 2016, 17, 2966-2978.	2.9	42
39	Methodological Issues in Studying PAHSA Biology: Masking PAHSA Effects. <i>Cell Metabolism</i> , 2018, 28, 543-546.	7.2	40
40	Dendritic cells maintain dermal adipose-derived stromal cells in skin fibrosis. <i>Journal of Clinical Investigation</i> , 2016, 126, 4331-4345.	3.9	38
41	The CB1 Endocannabinoid System Modulates Adipocyte Insulin Sensitivity. <i>Obesity</i> , 2008, 16, 1727-1734.	1.5	35
42	A STIM1-dependent β -trafficking trap mechanism regulates Orai1 plasma membrane residence and Ca ²⁺ influx levels. <i>Journal of Cell Science</i> , 2015, 128, 3143-54.	1.2	34
43	Anorexia and Impaired Glucose Metabolism in Mice With Hypothalamic Ablation of Glut4 Neurons. <i>Diabetes</i> , 2015, 64, 405-417.	0.3	28
44	Development of a new model system to dissect isoform specific Akt signalling in adipocytes. <i>Biochemical Journal</i> , 2015, 468, 425-434.	1.7	27
45	Insulin-promoted mobilization of GLUT4 from a perinuclear storage site requires RAB10. <i>Molecular Biology of the Cell</i> , 2021, 32, 57-73.	0.9	21
46	SNAP23 regulates BAX-dependent adipocyte programmed cell death independently of canonical macroautophagy. <i>Journal of Clinical Investigation</i> , 2018, 128, 3941-3956.	3.9	20
47	Altered Plasma Profile of Antioxidant Proteins as an Early Correlate of Pancreatic β Cell Dysfunction. <i>Journal of Biological Chemistry</i> , 2016, 291, 9648-9656.	1.6	16
48	Expression of the mono-ADP-ribosyltransferase ART1 by tumor cells mediates immune resistance in non-small cell lung cancer. <i>Science Translational Medicine</i> , 2022, 14, eabe8195.	5.8	16
49	Global evolution of the tumor microenvironment associated with progression from preinvasive invasive to invasive human lung adenocarcinoma. <i>Cell Reports</i> , 2022, 39, 110639.	2.9	15
50	Adenovirus Protein E4-ORF1 Activation of PI3 Kinase Reveals Differential Regulation of Downstream Effector Pathways in Adipocytes. <i>Cell Reports</i> , 2016, 17, 3305-3318.	2.9	13
51	Defective insulin-stimulated GLUT4 translocation in brown adipocytes induces systemic glucose homeostasis dysregulation independent of thermogenesis in female mice. <i>Molecular Metabolism</i> , 2021, 53, 101305.	3.0	11
52	Characterization of Endocytic Pathways by Quantitative Fluorescence Microscopy. <i>Microscopy and Microanalysis</i> , 1998, 4, 1024-1025.	0.2	0
53	Secretion of Adipsin as an Assay to Measure Flux from the Endoplasmic Reticulum (ER). <i>Bio-protocol</i> , 2017, 7, .	0.2	0