Timothy E Mcgraw

List of Publications by Year
in descending order

53	8,166	94269 37	182168 51
papers	citations	h-index	g-index

61	61	61	11154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression of the mono-ADP-ribosyltransferase ART1 by tumor cells mediates immune resistance in nonâ€“small cell lung cancer. Science Translational Medicine, 2022, 14, eabe8195.	5.8	16
2	Global evolution of the tumor microenvironment associated with progression from preinvasive invasive to invasive human lung adenocarcinoma. Cell Reports, 2022, 39, 110639.	2.9	15
3	Insulin-promoted mobilization of GLUT4 from a perinuclear storage site requires RAB10. Molecular Biology of the Cell, 2021, 32, 57-73.	0.9	21
4	Insulin action in adipocytes, adipose remodeling, and systemic effects. Cell Metabolism, 2021, 33, 748-757.	7.2	51
5	Defective insulin-stimulated GLUT4 translocation in brown adipocytes induces systemic glucose homeostasis dysregulation independent of thermogenesis in female mice. Molecular Metabolism, 2021, 53, 101305.	3.0	11
6	Thirty sweet years of GLUT4. Journal of Biological Chemistry, 2019, 294, 11369-11381.	1.6	223
7	The lung microenvironment: an important regulator of tumour growth and metastasis. Nature Reviews Cancer, 2019, 19, 9-31.	12.8	692
8	Biochemical and cellular properties of insulin receptor signalling. Nature Reviews Molecular Cell Biology, 2018, 19, 31-44.	16.1	486
9	Methodological Issues in Studying PAHSA Biology: Masking PAHSA Effects. Cell Metabolism, 2018, 28, 543-546.	7.2	40
10	SNAP23 regulates BAX-dependent adipocyte programmed cell death independently of canonical macroautophagy. Journal of Clinical Investigation, 2018, 128, 3941-3956.	3.9	20
11	Phosphorylation of TXNIP by AKT Mediates Acute Influx of Glucose in Response to Insulin. Cell Reports, 2017, 19, 2005-2013.	2.9	175
12	Absence of Carbohydrate Response Element Binding Protein in Adipocytes Causes Systemic Insulin Resistance and Impairs Glucose Transport. Cell Reports, 2017, 21, 1021-1035.	2.9	103
13	Distinct Akt phosphorylation states are required for insulin regulated Glut4 and Glut1-mediated glucose uptake. ELife, 2017, 6, .	2.8	121
14	Secretion of Adipsin as an Assay to Measure Flux from the Endoplasmic Reticulum (ER). Bio-protocol, 2017, 7, .	0.2	0
15	Downregulation of a GPCR by Î²-Arrestin2-Mediated Switch from an Endosomal to a TGN Recycling Pathway. Cell Reports, 2016, 17, 2966-2978.	2.9	42
16	Adenovirus Protein E4-ORF1 Activation of PI3 Kinase Reveals Differential Regulation of Downstream Effector Pathways in Adipocytes. Cell Reports, 2016, 17, 3305-3318.	2.9	13
17	SEC16A is a RAB10 effector required for insulin-stimulated GLUT4 trafficking in adipocytes. Journal of Cell Biology, 2016, 214, 61-76.	2.3	49
18	Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. Cell Metabolism, 2016, 23, 1078-1092.	7.2	302

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19	Disruption of Adipose Rab10-Dependent Insulin Signaling Causes Hepatic Insulin Resistance. Diabetes, 2016, 65, 1577-1589.	0.3	46
20	Altered Plasma Profile of Antioxidant Proteins as an Early Correlate of Pancreatic Î² Cell Dysfunction. Journal of Biological Chemistry, 2016, 291, 9648-9656.	1.6	16
21	The Microenvironment of Lung Cancer and Therapeutic Implications. Advances in Experimental Medicine and Biology, 2016, 890, 75-110.	0.8	96
22	Dendritic cells maintain dermal adiposeâ€“derived stromal cells in skin fibrosis. Journal of Clinical Investigation, 2016, 126, 4331-4345.	3.9	38
23	Development of a new model system to dissect isoform specific Akt signalling in adipocytes. Biochemical Journal, 2015, 468, 425-434.	1.7	27
24	A STIM1-dependent â€˜trafficking trapâ€™ mechanism regulates Orai1 plasma membrane residence and Ca2+ influx levels. Journal of Cell Science, 2015, 128, 3143-54.	1.2	34
25	Anorexia and Impaired Glucose Metabolism in Mice With Hypothalamic Ablation of Glut4 Neurons. Diabetes, 2015, 64, 405-417.	0.3	28
26	A Naturally Occurring GIP Receptor Variant Undergoes Enhanced Agonist-Induced Desensitization, Which Impairs GIP Control of Adipose Insulin Sensitivity. Molecular and Cellular Biology, 2014, 34, 3618-3629.	1.1	74
27	Discovery of a Class of Endogenous Mammalian Lipids with Anti-Diabetic and Anti-inflammatory Effects. Cell, 2014, 159, 318-332.	13.5	639
28	Reciprocal Regulation of Endocytosis and Metabolism. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016964-a016964.	2.3	65
29	Metabolic Alterations in Lung Cancerâ€“Associated Fibroblasts Correlated with Increased Glycolytic Metabolism of the Tumor. Molecular Cancer Research, 2013, 11, 579-592.	1.5	79
30	Specialized sorting of GLUT4 and its recruitment to the cell surface are independently regulated by distinct Rabs. Molecular Biology of the Cell, 2013, 24, 2544-2557.	0.9	65
31	Hyperinsulinemia leads to uncoupled insulin regulation of the GLUT4 glucose transporter and the FoxO1 transcription factor. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10162-10167.	3.3	86
32	Gastric Inhibitory Peptide Controls Adipose Insulin Sensitivity via Activation of cAMP-response Element-binding Protein and p110Î² Isoform of Phosphatidylinositol 3-Kinase. Journal of Biological Chemistry, 2011, 286, 43062-43070.	1.6	44
33	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. Molecular Biology of the Cell, 2010, 21, 1375-1386.	0.9	56
34	Insulin-regulated Aminopeptidase Is a Key Regulator of GLUT4 Trafficking by Controlling the Sorting of GLUT4 from Endosomes to Specialized Insulin-regulated Vesicles. Molecular Biology of the Cell, 2010, 21, 2034-2044.	0.9	56
35	The Akt kinases: Isoform specificity in metabolism and cancer. Cell Cycle, 2009, 8, 2502-2508.	1.3	424
36	Insulin-modulated Akt subcellular localization determines Akt isoform-specific signaling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7004-7009.	3.3	175

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37	The CB1 Endocannabinoid System Modulates Adipocyte Insulin Sensitivity. Obesity, 2008, 16, 1727-1734.	1.5	35
38	Molecular Mechanisms Controlling GLUT4 Intracellular Retention. Molecular Biology of the Cell, 2008, 19, 3477-3487.	0.9	72
39	Rab10, a Target of the AS160 Rab GAP, Is Required for Insulin-Stimulated Translocation of GLUT4 to the Adipocyte Plasma Membrane. Cell Metabolism, 2007, 5, 293-303.	7.2	304
40	Insulin Signaling Diverges into Akt-dependent and -independent Signals to Regulate the Recruitment/Docking and the Fusion of GLUT4 Vesicles to the Plasma Membrane. Molecular Biology of the Cell, 2006, 17, 4484-4493.	0.9	174
41	GLUT4 is internalized by a cholesterol-dependent nystatin-sensitive mechanism inhibited by insulin. EMBO Journal, 2006, 25, 5648-5658.	3.5	102
42	GLUT4 Distribution between the Plasma Membrane and the Intracellular Compartments Is Maintained by an Insulin-modulated Bipartite Dynamic Mechanism. Journal of Biological Chemistry, 2006, 281, 484-490.	1.6	74
43	Full intracellular retention of GLUT4 requires AS160 Rab GTPase activating protein. Cell Metabolism, 2005, 2, 263-272.	7.2	275
44	Insulin Stimulation of GLUT4 Exocytosis, but Not Its Inhibition of Endocytosis, Is Dependent on RabGAP AS160. Molecular Biology of the Cell, 2004, 15, 4406-4415.	0.9	197
45	GLUT4 Is Retained by an Intracellular Cycle of Vesicle Formation and Fusion with Endosomes. Molecular Biology of the Cell, 2004, 15, 870-882.	0.9	164
46	Endocytic recycling. Nature Reviews Molecular Cell Biology, 2004, 5, 121-132.	16.1	1,657
47	GLUT4 Retention in Adipocytes Requires Two Intracellular Insulin-regulated Transport Steps. Molecular Biology of the Cell, 2002, 13, 2421-2435.	0.9	158
48	Insulin-regulated Release from the Endosomal Recycling Compartment Is Regulated by Budding of Specialized Vesicles. Molecular Biology of the Cell, 2001, 12, 3489-3501.	0.9	119
49	Characterization of the Insulin-regulated Endocytic Recycling Mechanism in 3T3-L1 Adipocytes Using a Novel Reporter Molecule. Journal of Biological Chemistry, 2000, 275, 4787-4795.	1.6	72
50	An Endocytosed TGN38 Chimeric Protein Is Delivered to the TGN after Trafficking through the Endocytic Recycling Compartment in CHO Cells. Journal of Cell Biology, 1998, 142, 923-936.	2.3	235
51	Identification of an Insulin-responsive, Slow Endocytic Recycling Mechanism in Chinese Hamster Ovary Cells. Journal of Biological Chemistry, 1998, 273, 17968-17977.	1.6	46
52	Characterization of Endocytic Pathways by Quantitative Fluorescence Microscopy. Microscopy and Microanalysis, 1998, 4, 1024-1025.	0.2	0
53	The Carboxyl Terminus of GLUT4 Contains a Serine-Leucine-Leucine Sequence That Functions as a Potent Internalization Motif in Chinese Hamster Ovary Cells. Journal of Biological Chemistry, 1996, 271, 20660-20668.	1.6	53