James Mu

List of Publications by Year in descending order

43 papers	11,028 citations	126907 33 h-index	254184 43 g-index
44 all docs	44 docs citations	44 times ranked	13391 citing authors

#	Article	IF	Citations
1	Functionally selective signaling and broad metabolic benefits by novel insulin receptor partial agonists. Nature Communications, 2022, 13, 942.	12.8	17
2	Discovery of Insulin Receptor Partial Agonists MK-5160 and MK-1092 as Novel Basal Insulins with Potential to Improve Therapeutic Index. Journal of Medicinal Chemistry, 2022, 65, 5593-5605.	6.4	8
3	In Situ Forming Injectable Thermoresponsive Hydrogels for Controlled Delivery of Biomacromolecules. ACS Omega, 2020, 5, 17531-17542.	3.5	36
4	Restoration of insulin receptor improves diabetic phenotype in T2DM mice. JCI Insight, 2019, 4, .	5.0	16
5	Engineering Glucose Responsiveness Into Insulin. Diabetes, 2018, 67, 299-308.	0.6	54
6	A glucose-responsive insulin therapy protects animals against hypoglycemia. JCI Insight, 2018, 3, .	5.0	31
7	Potentiation of Insulin-Mediated Glucose Lowering without Elevated Hypoglycemia Risk by a Small Molecule Insulin Receptor Modulator. PLoS ONE, 2015, 10, e0122012.	2.5	7
8	Bone loss in the oestrogenâ€depleted rat is not exacerbated by sitagliptin, either alone or in combination with a thiazolidinedione. Diabetes, Obesity and Metabolism, 2013, 15, 954-957.	4.4	17
9	Downstream Signaling Pathways in Mouse Adipose Tissues Following Acute In Vivo Administration of Fibroblast Growth Factor 21. PLoS ONE, 2013, 8, e73011.	2.5	48
10	FGF21 Analogs of Sustained Action Enabled by Orthogonal Biosynthesis Demonstrate Enhanced Antidiabetic Pharmacology in Rodents. Diabetes, 2012, 61, 505-512.	0.6	148
11	The Glucagon Receptor Is Involved in Mediating the Body Weightâ€Lowering Effects of Oxyntomodulin. Obesity, 2012, 20, 1566-1571.	3.0	90
12	Anti-Diabetic Efficacy and Impact on Amino Acid Metabolism of GRA1, a Novel Small-Molecule Glucagon Receptor Antagonist. PLoS ONE, 2012, 7, e49572.	2.5	47
13	Chronic treatment with a glucagon receptor antagonist lowers glucose and moderately raises circulating glucagon and glucagon-like peptide 1 without severe alpha cell hypertrophy in diet-induced obese mice. Diabetologia, 2011, 54, 2381-2391.	6.3	57
14	Inhibition of DPP-4 with sitagliptin improves glycemic control and restores islet cell mass and function in a rodent model of type 2 diabetes. European Journal of Pharmacology, 2009, 623, 148-154.	3.5	120
15	PANIC-ATTAC: A Mouse Model for Inducible and Reversible Î²-Cell Ablation. Diabetes, 2008, 57, 2137-2148.	0.6	59
16	Adipose Fibroblast Growth Factor 21 Is Up-Regulated by Peroxisome Proliferator-Activated Receptor Î³ and Altered Metabolic States. Molecular Pharmacology, 2008, 74, 403-412.	2.3	260
17	Glucagon receptor knockout mice are resistant to diet-induced obesity and streptozotocin-mediated beta cell loss and hyperglycaemia. Diabetologia, 2006, 50, 142-150.	6.3	182
18	Chronic Inhibition of Dipeptidyl Peptidase-4 With a Sitagliptin Analog Preserves Pancreatic Â-Cell Mass and Function in a Rodent Model of Type 2 Diabetes. Diabetes, 2006, 55, 1695-1704.	0.6	432

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19	AMP-Activated Protein Kinase Induces a p53-Dependent Metabolic Checkpoint. Molecular Cell, 2005, 18, 283-293.	9.7	1,431
20	AMP kinase is not required for the GLUT4 response to exercise and denervation in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E739-E743.	3.5	57
21	The PP2A-Associated Protein Â4 Is an Essential Inhibitor of Apoptosis. Science, 2004, 306, 695-698.	12.6	142
22	AMP-kinase regulates food intake by responding to hormonal and nutrient signals in the hypothalamus. Nature, 2004, 428, 569-574.	27.8	1,464
23	AMP-activated protein kinase mediates ischemic glucose uptake and prevents postischemic cardiac dysfunction, apoptosis, and injury. Journal of Clinical Investigation, 2004, 114, 495-503.	8.2	640
24	Role of AMP-activated Protein Kinase in Cyclic AMP-dependent Lipolysis In 3T3-L1 Adipocytes. Journal of Biological Chemistry, 2003, 278, 43074-43080.	3.4	254
25	Isoform-specific Regulation of Insulin-dependent Glucose Uptake by Akt/Protein Kinase B. Journal of Biological Chemistry, 2003, 278, 49530-49536.	3.4	268
26	Physiological role of AMP-activated protein kinase (AMPK): insights from knockout mouse models. Biochemical Society Transactions, 2003, 31, 216-219.	3.4	215
27	Selective suppression of AMP-activated protein kinase in skeletal muscle: update on â€˜lazy miceâ€™. Biochemical Society Transactions, 2003, 31, 236-241.	3.4	93
28	The AMP-activated protein kinase Î±2 catalytic subunit controls whole-body insulin sensitivity. Journal of Clinical Investigation, 2003, 111, 91-98.	8.2	444
29	GLUT4, AMP kinase, but not the insulin receptor, are required for hepatoportal glucose sensorâ€“stimulated muscle glucose utilization. Journal of Clinical Investigation, 2003, 111, 1555-1562.	8.2	50
30	GLUT4, AMP kinase, but not the insulin receptor, are required for hepatoportal glucose sensorâ€“stimulated muscle glucose utilization. Journal of Clinical Investigation, 2003, 111, 1555-1562.	8.2	31
31	AMP kinase is required for mitochondrial biogenesis in skeletal muscle in response to chronic energy deprivation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15983-15987.	7.1	895
32	Insulin Resistance and a Diabetes Mellitus-Like Syndrome in Mice Lacking the Protein Kinase Akt2 (PKBbeta). Science, 2001, 292, 1728-1731.	12.6	1,652
33	The Regulation of AMP-Activated Protein Kinase by H2O2. Biochemical and Biophysical Research Communications, 2001, 287, 92-97.	2.1	269
34	A Role for AMP-Activated Protein Kinase in Contraction- and Hypoxia-Regulated Glucose Transport in Skeletal Muscle. Molecular Cell, 2001, 7, 1085-1094.	9.7	845
35	Glycogenin-2, a novel self-glucosylating protein involved in liver glycogen biosynthesis.. Journal of Biological Chemistry, 2001, 276, 14532.	3.4	2
36	Exercise Induces Isoform-Specific Increase in 5â€²AMP-Activated Protein Kinase Activity in Human Skeletal Muscle. Biochemical and Biophysical Research Communications, 2000, 273, 1150-1155.	2.1	318

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37	Structure and chromosomal localization of the human glycogenin-2 gene GYG2. Gene, 2000, 242, 229-235.	2.2	14
38	Self-Glucosylation of Glycogenin, the Initiator of Glycogen Biosynthesis, Involves an Inter-subunit Reaction. Archives of Biochemistry and Biophysics, 1999, 363, 163-170.	3.0	36
39	Novel Aspects of the Regulation of Glycogen Storage. Journal of Basic and Clinical Physiology and Pharmacology, 1998, 9, 139-51.	1.3	55
40	Characterization of Human Glycogenin-2, a Self-glucosylating Initiator of Liver Glycogen Metabolism. Journal of Biological Chemistry, 1998, 273, 34850-34856.	3.4	34
41	Glycogenin-2, a Novel Self-glucosylating Protein Involved in Liver Glycogen Biosynthesis. Journal of Biological Chemistry, 1997, 272, 27589-27597.	3.4	51
42	Initiation of Glycogen Synthesis in Yeast. Journal of Biological Chemistry, 1996, 271, 26554-26560.	3.4	30
43	Requirement of the Self-Glucosylating Initiator Proteins Glg1p and Glg2p for Glycogen Accumulation in <i>Saccharomyces cerevisiae</i>. Molecular and Cellular Biology, 1995, 15, 6632-6640.	2.3	109