Eric J Hajduch

List of Publications by Year
in descending order

71 papers	5,162 citations	76294 40 h-index	95218 68 g-index
79 all docs	79 docs citations	79 times ranked	6641 citing authors

#	Article	IF	Citations
1	Serum ceramides could predict durable diabetes remission following gastric bypass surgery. Med, 2022, 3, 440-441.	2.2	1
2	Roles of Ceramides in Non-Alcoholic Fatty Liver Disease. Journal of Clinical Medicine, 2021, 10, 792.	1.0	44
3	The Reciprocal Relationship between LDL Metabolism and Type 2 Diabetes Mellitus. Metabolites, 2021, 11, 807.	1.3	17
4	Editorial: The Role of Sphingolipid Metabolism in the Development of Type 2 Diabetes and Obesity. Frontiers in Endocrinology, 2021, 12, 835751.	1.5	0
5	Sphingosine-1-Phosphate Metabolism in the Regulation of Obesity/Type 2 Diabetes. Cells, 2020, 9, 1682.	1.8	39
6	Sphingolipid Metabolism and Signaling in Skeletal Muscle: From Physiology to Physiopathology. Frontiers in Endocrinology, 2020, 11, 491.	1.5	37
7	Dihydroceramides in Triglyceride-Enriched VLDL Are Associated with Nonalcoholic Fatty Liver Disease Severity in Type 2 Diabetes. Cell Reports Medicine, 2020, 1, 100154.	3.3	23
8	Sphingolipid Metabolism: New Insight into Ceramide-Induced Lipotoxicity in Muscle Cells. International Journal of Molecular Sciences, 2019, 20, 479.	1.8	72
9	Lipid environment induces ER stress, TXNIP expression and inflammation in immune cells of individuals with type 2 diabetes. Diabetologia, 2018, 61, 399-412.	2.9	102
10	Inhibition of central de novo ceramide synthesis restores insulin signaling in hypothalamus and enhances Î2-cell function of obese Zucker rats. Molecular Metabolism, 2018, 8, 23-36.	3.0	51
11	Ceramide Transporter CERT Is Involved in Muscle Insulin Signaling Defects Under Lipotoxic Conditions. Diabetes, 2018, 67, 1258-1271.	0.3	27
12	Short Term Palmitate Supply Impairs Intestinal Insulin Signaling via Ceramide Production. Journal of Biological Chemistry, 2016, 291, 16328-16338.	1.6	36
13	Sustained Action of Ceramide on the Insulin Signaling Pathway in Muscle Cells: IMPLICATION OF THE DOUBLE-STRANDED RNA-ACTIVATED PROTEIN KINASE. Journal of Biological Chemistry, 2016, 291, 3019-3029.	1.6	52
14	Targeting sphingolipid metabolism in the treatment of obesity/type 2 diabetes. Expert Opinion on Therapeutic Targets, 2015, 19, 1037-1050.	1.5	46
15	Enhanced Insulin Sensitivity Associated with Provision of Mono and Polyunsaturated Fatty Acids in Skeletal Muscle Cells Involves Counter Modulation of PP2A. PLoS ONE, 2014, 9, e92255.	1.1	24
16	Characterising the Inhibitory Actions of Ceramide upon Insulin Signaling in Different Skeletal Muscle Cell Models: A Mechanistic Insight. PLoS ONE, 2014, 9, e101865.	1.1	44
17	Defect of insulin signal in peripheral tissues: Important role of ceramide. World Journal of Diabetes, 2014, 5, 244.	1.3	66
18	Type 2 diabetes: ceramides as a therapeutic target?. Clinical Lipidology, 2013, 8, 607-609.	0.4	1

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19	New insights into ER stress-induced insulin resistance. Trends in Endocrinology and Metabolism, 2012, 23, 381-390.	3.1	247
20	Endoplasmic reticulum stress does not mediate palmitate-induced insulin resistance in mouse and human muscle cells. Diabetologia, 2012, 55, 204-214.	2.9	69
21	Protein kinase C isoforms: Mediators of reactive lipid metabolites in the development of insulin resistance. FEBS Letters, 2011, 585, 269-274.	1.3	88
22	Biguanides and thiazolidinediones inhibit stimulated lipolysis in human adipocytes through activation of AMP-activated protein kinase. Diabetologia, 2010, 53, 768-778.	2.9	60
23	Plasma Membrane Subdomain Compartmentalization Contributes to Distinct Mechanisms of Ceramide Action on Insulin Signaling. Diabetes, 2010, 59, 600-610.	0.3	91
24	Lipid droplet analysis in caveolin-deficient adipocytes: alterations in surface phospholipid composition and maturation defects. Journal of Lipid Research, 2010, 51, 945-956.	2.0	93
25	The lipoatrophic caveolin-1 deficient mouse model reveals autophagy in mature adipocytes. Autophagy, 2010, 6, 754-763.	4.3	66
26	Adipocyte caveolin-1 lipid droplet pool is critical for size enlargement by regulating the organelle surface composition. Chemistry and Physics of Lipids, 2009, 160, S7.	1.5	0
27	Filling up adipocytes with lipids. Lessons from caveolin-1 deficiency. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 514-518.	1.2	41
28	Expression and modulation of TUB by insulin and thyroid hormone in primary rat and murine 3T3-L1 adipocytes. Biochemical and Biophysical Research Communications, 2009, 390, 1328-1333.	1.0	12
29	Regulated association of caveolins to lipid droplets during differentiation of 3T3-L1 adipocytes. Biochemical and Biophysical Research Communications, 2008, 376, 331-335.	1.0	43
30	Targeting of PKCÎ¶ and PKB to caveolin-enriched microdomains represents a crucial step underpinning the disruption in PKB-directed signalling by ceramide. Biochemical Journal, 2008, 410, 369-379.	1.7	99
31	Lipid sensing and lipid sensors. Cellular and Molecular Life Sciences, 2007, 64, 2452-2458.	2.4	28
32	IL-1 receptor antagonist in metabolic diseases: Dr Jekyll or Mr Hyde?. FEBS Letters, 2006, 580, 6289-6294.	1.3	130
33	DnaJA4 is a SREBP-regulated chaperone involved in the cholesterol biosynthesis pathway. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 1107-1113.	1.2	22
34	Cholesterol-Induced Caveolin Targeting to Lipid Droplets in Adipocytes: A Role for Caveolar Endocytosis. Traffic, 2006, 7, 549-561.	1.3	158
35	Ceramide downâ€regulates System A amino acid transport and protein synthesis in rat skeletal muscle cells. FASEB Journal, 2005, 19, 1-24.	0.2	106
36	Insulin and Angiotensin II Induce the Translocation of Scavenger Receptor Class B, Type I from Intracellular Sites to the Plasma Membrane of Adipocytes. Journal of Biological Chemistry, 2005, 280, 33536-33540.	1.6	43

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37	Constitutive Activation of GSK3 Down-regulates Glycogen Synthase Abundance and Glycogen Deposition in Rat Skeletal Muscle Cells. Journal of Biological Chemistry, 2005, 280, 9509-9518.	1.6	53
38	Insulin-Stimulated Glucose Uptake Does Not Require p38 Mitogen-Activated Protein Kinase in Adipose Tissue or Skeletal Muscle. Diabetes, 2005, 54, 3161-3168.	0.3	23
39	Anti-lipolytic Action of AMP-activated Protein Kinase in Rodent Adipocytes. Journal of Biological Chemistry, 2005, 280, 25250-25257.	1.6	286
40	Intracellular ceramide synthesis and protein kinase CÎ¶ activation play an essential role in palmitate-induced insulin resistance in rat L6 skeletal muscle cells. Biochemical Journal, 2004, 382, 619-629.	1.7	230
41	Fructose transport and metabolism in adipose tissue of Zucker rats: Diminished GLUT5 activity during obesity and insulin resistance. Molecular and Cellular Biochemistry, 2004, 261, 23-33.	1.4	41
42	Use of lithium and SB-415286 to explore the role of glycogen synthase kinase-3 in the regulation of glucose transport and glycogen synthase. FEBS Journal, 2003, 270, 3829-3838.	0.2	56
43	Insulin regulates the expression of the GLUT5 transporter in L6 skeletal muscle cells. FEBS Letters, 2003, 549, 77-82.	1.3	16
44	Ceramide Disables 3-Phosphoinositide Binding to the Pleckstrin Homology Domain of Protein Kinase B (PKB)/Akt by a PKCÎ¶-Dependent Mechanism. Molecular and Cellular Biology, 2003, 23, 7794-7808.	1.1	305
45	Intracellular Sensing of Amino Acids in Xenopus laevis Oocytes Stimulates p70 S6 Kinase in a Target of Rapamycin-dependent Manner. Journal of Biological Chemistry, 2002, 277, 9952-9957.	1.6	112
46	Intracellular signalling mechanisms regulating glucose transport in insulin-sensitive tissues. Molecular Membrane Biology, 2001, 18, 195-204.	2.0	42
47	Protein kinase B (PKB/Akt) - a key regulator of glucose transport?. FEBS Letters, 2001, 492, 199-203.	1.3	238
48	Subcellular localization and adaptive up-regulation of the System A (SAT2) amino acid transporter in skeletal-muscle cells and adipocytes. Biochemical Journal, 2001, 355, 563-568.	1.7	78
49	Ceramide impairs the insulin-dependent membrane recruitment of Protein Kinase B leading to a loss in downstream signalling in L6 skeletal muscle cells. Diabetologia, 2001, 44, 173-183.	2.9	202
50	l-Leucine availability regulates phosphatidylinositol 3-kinase, p70 S6 kinase and glycogen synthase kinase-3 activity in L6 muscle cells: evidence for the involvement of the mammalian target of rapamycin (mTOR) pathway in the l-leucine-induced up-regulation of System A amino acid transport. Biochemical Journal, 2000, 350, 361.	1.7	44
51	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. Biochemical Journal, 2000, 352, 617.	1.7	18
52	l-Leucine availability regulates phosphatidylinositol 3-kinase, p70 S6 kinase and glycogen synthase kinase-3 activity in L6 muscle cells: evidence for the involvement of the mammalian target of rapamycin (mTOR) pathway in the l-leucine-induced up-regulation of System A amino acid transport. Biochemical Journal, 2000, 350, 361-368.	1.7	179
53	Activation of glucose transport by AMP-activated protein kinase via stimulation of nitric oxide synthase. Diabetes, 2000, 49, 1978-1985.	0.3	157
54	Lactate transport in rat adipocytes: identification of monocarboxylate transporter 1 (MCT1) and its modulation during streptozotocin-induced diabetes. FEBS Letters, 2000, 479, 89-92.	1.3	28

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55	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. Biochemical Journal, 2000, 352, 617-622.	1.7	49
56	Regulation of Glucose Transport and Glycogen Synthesis in L6 Muscle Cells during Oxidative Stress. Journal of Biological Chemistry, 1999, 274, 36293-36299.	1.6	153
57	Biochemical Localisation of the 5-HT2A(serotonin) Receptor in Rat Skeletal Muscle. Biochemical and Biophysical Research Communications, 1999, 257, 369-372.	1.0	29
58	Serotonin (5-Hydroxytryptamine), a Novel Regulator of Glucose Transport in Rat Skeletal Muscle. Journal of Biological Chemistry, 1999, 274, 13563-13568.	1.6	108
59	Fructose uptake in rat adipocytes: GLUT5 expression and the effects of streptozotocin-induced diabetes. Diabetologia, 1998, 41, 821-828.	2.9	58
60	Constitutive activation of protein kinase B alpha by membrane targeting promotes glucose and system A amino acid transport, protein synthesis, and inactivation of glycogen synthase kinase 3 in L6 muscle cells. Diabetes, 1998, 47, 1006-1013.	0.3	309
61	Biochemical and functional characterization of the GLUT5 fructose transporter in rat skeletal muscle. Biochemical Journal, 1998, 336, 361-366.	1.7	36
62	Proteolytic cleavage of cellubrevin and vesicle-associated membrane protein (VAMP) by tetanus toxin does not impair insulin-stimulated glucose transport or GLUT4 translocation in rat adipocytes. Biochemical Journal, 1997, 321, 233-238.	1.7	22
63	Inositol Phospholipid 3-Kinase is Activated by Cellular Stress but is not Required for the Stress-Induced Activation of Glucose Transport in L6 Rat Skeletal Muscle Cells. FEBS Journal, 1997, 247, 306-313.	0.2	30
64	Analyses of the co-localization of cellubrevin and the GLUT4 glucose transporter in rat and human insulin-responsive tissues. FEBS Letters, 1996, 395, 211-216.	1.3	5
65	Regulation of glucose transporters in cultured rat adipocytes: synergistic effect of insulin and dexamethasone on GLUT4 gene expression through promoter activation.. Endocrinology, 1995, 136, 4782-4789.	1.4	46
66	Fatty Genotype-Induced Increase in GLUT4 Promoter Activity in Transfected Adipocytes: Delineation of Two fa-Responsive Regions and Glucose Effect. Biochemical and Biophysical Research Communications, 1995, 209, 1053-1061.	1.0	13
67	Effects of a fish oil-lard diet on rat plasma lipoproteins, liver FAS, and lipolytic enzymes. American Journal of Physiology - Endocrinology and Metabolism, 1994, 267, E975-E982.	1.8	21
68	Fish Oil in a High Lard Diet Prevents Obesity, Hyperlipemia, and Adipocyte Insulin Resistance in Rats. Annals of the New York Academy of Sciences, 1993, 683, 98-101.	1.8	70
69	Beneficial Effects of a Fish Oil Enriched High Lard Diet on Obesity and Hyperlipemia in Zucker Rats. Annals of the New York Academy of Sciences, 1993, 683, 349-350.	1.8	8
70	Expression of glucose transporters (GLUT 1 and GLUT 4) in primary cultured rat adipocytes: Differential evolution with time and chronic insulin effect. Journal of Cellular Biochemistry, 1992, 49, 251-258.	1.2	19
71	Ceramide is a negative regulator of insulin action, nutrient uptake and protein synthesis in cultured rat skeletal muscle cells. , 0, , 373-386.		0