

Mark A Yorek

List of Publications by Year in descending order

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150
papers

10,362
citations

61857

43
h-index

34900

98
g-index

150
all docs

150
docs citations

150
times ranked

10560
citing authors

#	ARTICLE	IF	CITATIONS
1	Normalizing mitochondrial superoxide production blocks three pathways of hyperglycaemic damage. <i>Nature</i> , 2000, 404, 787-790.	13.7	3,895
2	Mitochondrial Dysfunction in Diabetes: From Molecular Mechanisms to Functional Significance and Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 537-577.	2.5	600
3	Pyruvate kinase M2 activation may protect against the progression of diabetic glomerular pathology and mitochondrial dysfunction. <i>Nature Medicine</i> , 2017, 23, 753-762.	15.2	337
4	Effect of Antioxidant Treatment of Streptozotocin-Induced Diabetic Rats on Endoneurial Blood Flow, Motor Nerve Conduction Velocity, and Vascular Reactivity of Epineurial Arterioles of the Sciatic Nerve. <i>Diabetes</i> , 2001, 50, 1927-1937.	0.3	285
5	Nicotinamide Riboside Opposes Type 2 Diabetes and Neuropathy in Mice. <i>Scientific Reports</i> , 2016, 6, 26933.	1.6	234
6	Oxidative-Nitrosative Stress and Poly(ADP-Ribose) Polymerase (PARP) Activation in Experimental Diabetic Neuropathy: The Relation Is Revisited. <i>Diabetes</i> , 2005, 54, 3435-3441.	0.3	201
7	The Role of Oxidative Stress in Diabetic Vascular and Neural Disease. <i>Free Radical Research</i> , 2003, 37, 471-480.	1.5	186
8	Aldose Reductase Inhibition Counteracts Oxidative-Nitrosative Stress and Poly(ADP-Ribose) Polymerase Activation in Tissue Sites for Diabetes Complications. <i>Diabetes</i> , 2005, 54, 234-242.	0.3	165
9	Phenotyping animal models of diabetic neuropathy: a consensus statement of the diabetic neuropathy study group of the <sc>EASD</sc> (Neurodiab). <i>Journal of the Peripheral Nervous System</i> , 2014, 19, 77-87.	1.4	138
10	Poly(ADP-Ribose) Polymerase Inhibition Alleviates Experimental Diabetic Sensory Neuropathy. <i>Diabetes</i> , 2006, 55, 1686-1694.	0.3	137
11	Slowing of Motor Nerve Conduction Velocity in Streptozotocin-induced Diabetic Rats is Preceded by Impaired Vasodilation in Arterioles that Overlie the Sciatic Nerve. <i>International Journal of Experimental Diabetes Research</i> , 2000, 1, 131-143.	1.0	127
12	A comparison of diabetic polyneuropathy in Type II diabetic BBZDR/Wor rats and in Type I diabetic BB/Wor rats. <i>Diabetologia</i> , 2000, 43, 786-793.	2.9	118
13	Progression of coronary and mesenteric vascular dysfunction in Zucker obese and Zucker diabetic fatty rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1780-H1787.	1.5	118
14	ACE Inhibitor or Angiotensin II Receptor Antagonist Attenuates Diabetic Neuropathy in Streptozotocin-Induced Diabetic Rats. <i>Diabetes</i> , 2006, 55, 341-348.	0.3	110
15	Progression of vascular and neural dysfunction in sciatic nerves of Zucker diabetic fatty and Zucker rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E113-E122.	1.8	109
16	Role of nitrosative stress in early neuropathy and vascular dysfunction in streptozotocin-diabetic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1645-E1655.	1.8	107
17	Effect of M40403 treatment of diabetic rats on endoneurial blood flow, motor nerve conduction velocity and vascular function of epineurial arterioles of the sciatic nerve. <i>British Journal of Pharmacology</i> , 2001, 134, 21-29.	2.7	85
18	Changes in endoneurial blood flow, motor nerve conduction velocity and vascular relaxation of epineurial arterioles of the sciatic nerve in ZDF-obese diabetic rats. <i>Diabetes/Metabolism Research and Reviews</i> , 2002, 18, 49-56.	1.7	81

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19	Effect of Membrane Polyunsaturation on Carrier-Mediated Transport in Cultured Retinoblastoma Cells: Alterations in Taurine Uptake. <i>Journal of Neurochemistry</i> , 1984, 42, 254-261.	2.1	76
20	Preventing Superoxide Formation in Epineurial Arterioles of the Sciatic Nerve from Diabetic Rats Restores Endothelium-dependent Vasodilation. <i>Free Radical Research</i> , 2003, 37, 33-40.	1.5	74
21	Effect of enriching the diet with menhaden oil or daily treatment with resolvin D1 on neuropathy in a mouse model of type 2 diabetes. <i>Journal of Neurophysiology</i> , 2015, 114, 199-208.	0.9	74
22	Effect of treatment of diabetic rats with dehydroepiandrosterone on vascular and neural function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 283, E1067-E1075.	1.8	70
23	Diet-induced obesity in Sprague-Dawley rats causes microvascular and neural dysfunction. <i>Diabetes/Metabolism Research and Reviews</i> , 2010, 26, 306-318.	1.7	70
24	Differences and Similarities in Development of Corneal Nerve Damage and Peripheral Neuropathy and in Diet-Induced Obesity and Type 2 Diabetic Rats. , 2014, 55, 1222.		68
25	Comparative utilization of n-3 polyunsaturated fatty acids by cultured human Y-79 retinoblastoma cells. <i>Lipids and Lipid Metabolism</i> , 1984, 795, 277-285.	2.6	67
26	Peroxynitrite and protein nitration in the pathogenesis of diabetic peripheral neuropathy. <i>Diabetes/Metabolism Research and Reviews</i> , 2014, 30, 669-678.	1.7	67
27	The Roles of Streptozotocin Neurotoxicity and Neutral Endopeptidase in Murine Experimental Diabetic Neuropathy. <i>Experimental Diabetes Research</i> , 2009, 2009, 1-9.	3.8	65
28	Effects of glia maturation factor overexpression in primary astrocytes on MAP kinase activation, transcription factor activation, and neurotrophin secretion. <i>Neurochemical Research</i> , 2001, 26, 1293-1299.	1.6	63
29	Myoinositol uptake by four cultured mammalian cell lines. <i>Archives of Biochemistry and Biophysics</i> , 1986, 246, 801-807.	1.4	61
30	myo-Inositol Metabolism in 41 A3 Neuroblastoma Cells: Effects of High Glucose and Sorbitol Levels. <i>Journal of Neurochemistry</i> , 1987, 48, 53-61.	2.1	61
31	Attenuation of Vascular/Neural Dysfunction in Zucker Rats Treated With Enalapril or Rosuvastatin. <i>Obesity</i> , 2008, 16, 82-89.	1.5	57
32	Acetylcholine-induced arteriolar dilation is reduced in streptozotocin-induced diabetic rats with motor nerve dysfunction. <i>British Journal of Pharmacology</i> , 1999, 128, 837-843.	2.7	56
33	Effect of Treating Streptozotocin-Induced Diabetic Rats With Sorbinil, Myo-Inositol or Aminoguanidine on Endoneurial Blood Flow, Motor Nerve Conduction Velocity and Vascular Function of Epineurial Arterioles of the Sciatic Nerve. <i>International Journal of Experimental Diabetes Research</i> , 2002, 3, 21-36.	1.0	56
34	Early Loss of Innervation of Cornea Epithelium in Streptozotocin-Induced Type 1 Diabetic Rats: Improvement with Ilepatril Treatment. , 2012, 53, 8067.		56
35	Reduced Motor Nerve Conduction Velocity and Na ⁺ -K ⁺ -ATPase Activity in Rats Maintained on L-Fucose Diet: Reversal by myo-Inositol Supplementation. <i>Diabetes</i> , 1993, 42, 1401-1406.	0.3	55
36	Effect of treatment of high fat fed/low dose streptozotocin-diabetic rats with Ilepatril on vascular and neural complications. <i>European Journal of Pharmacology</i> , 2011, 668, 497-506.	1.7	54

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37	Effect of diet-induced obesity or type 1 or type 2 diabetes on corneal nerves and peripheral neuropathy in C57Bl/6J mice. <i>Journal of the Peripheral Nervous System</i> , 2015, 20, 24-31.	1.4	54
38	Bioenergetic Effects of Mitochondrial-Targeted Coenzyme Q Analogs in Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 342, 709-719.	1.3	52
39	Vascular and neural dysfunction in Zucker diabetic fatty rats: a difficult condition to reverse. <i>Diabetes, Obesity and Metabolism</i> , 2008, 10, 64-74.	2.2	51
40	Sensory Nerve Innervation of Epineurial Arterioles of the Sciatic Nerve Containing Calcitonin Gene-Related Peptide: Effect of Streptozotocin-Induced Diabetes. <i>Experimental Diabetes Research</i> , 2004, 5, 187-193.	1.0	50
41	Changes in Corneal Innervation and Sensitivity and Acetylcholine-Mediated Vascular Relaxation of the Posterior Ciliary Artery in a Type 2 Diabetic Rat. , 2012, 53, 1182.		50
42	The effect of elevated glucose levels on myo-inositol metabolism in cultured bovine aortic endothelial cells. <i>Metabolism: Clinical and Experimental</i> , 1989, 38, 16-22.	1.5	49
43	Processing of Insulin-Like Growth Factors I and II by Capillary and Large Vessel Endothelial Cells*. <i>Endocrinology</i> , 1986, 118, 1072-1080.	1.4	48
44	Treatment of Zucker diabetic fatty rats with AVE7688 improves vascular and neural dysfunction. <i>Diabetes, Obesity and Metabolism</i> , 2009, 11, 223-233.	2.2	47
45	Modification of high saturated fat diet with ω 3 polyunsaturated fat improves glucose intolerance and vascular dysfunction. <i>Diabetes, Obesity and Metabolism</i> , 2013, 15, 144-152.	2.2	46
46	Rat Models of Diet-Induced Obesity and High Fat/Low Dose Streptozotocin Type 2 Diabetes: Effect of Reversal of High Fat Diet Compared to Treatment with Enalapril or Menhaden Oil on Glucose Utilization and Neuropathic Endpoints. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-8.	1.0	44
47	Effect of inhibition of angiotensin converting enzyme and/or neutral endopeptidase on vascular and neural complications in high fat fed/low dose streptozotocin-diabetic rats. <i>European Journal of Pharmacology</i> , 2012, 677, 180-187.	1.7	41
48	Effect of glycemic control on corneal nerves and peripheral neuropathy in streptozotocin-induced diabetic C57Bl/6J mice. <i>Journal of the Peripheral Nervous System</i> , 2014, 19, 205-217.	1.4	41
49	Alternatives to the Streptozotocin-Diabetic Rodent. <i>International Review of Neurobiology</i> , 2016, 127, 89-112.	0.9	40
50	Treatment of Streptozotocin-Induced Diabetic Rats With AVE7688, a Vasopeptidase Inhibitor. <i>Diabetes</i> , 2007, 56, 355-362.	0.3	39
51	Effect of l-fucose and d-glucose concentration on l-fucoprotein metabolism in human Hep G2 cells and changes in fucosyltransferase and α -l-fucosidase activity in liver of diabetic rats. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1335, 61-72.	1.1	38
52	The Potential Role of Angiotensin Converting Enzyme and Vasopeptidase Inhibitors in the Treatment of Diabetic Neuropathy. <i>Current Drug Targets</i> , 2008, 9, 77-84.	1.0	37
53	Activation of Nuclear Factor- κ B in C6 Rat Glioma Cells After Transfection with Glia Maturation Factor. <i>Journal of Neurochemistry</i> , 2001, 74, 596-602.	2.1	36
54	Effect of Sorbinil on myo-Inositol Metabolism in Cultured Neuroblastoma Cells Exposed to Increased Glucose Levels. <i>Journal of Neurochemistry</i> , 1988, 51, 331-338.	2.1	35

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55	Effect of TNF- α on SMIT mRNA levels and myo-inositol accumulation in cultured endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C58-C71.	2.1	34
56	Partial Replacement with Menhaden Oil Improves Peripheral Neuropathy in High-Fat-Fed Low-Dose Streptozotocin Type 2 Diabetic Rat. <i>Journal of Nutrition and Metabolism</i> , 2012, 2012, 1-8.	0.7	34
57	Glycine Uptake by Cultured Human Y79 Retinoblastoma Cells: Effect of Changes in Phospholipid Fatty Acid Unsaturation. <i>Journal of Neurochemistry</i> , 1983, 40, 70-78.	2.1	33
58	Effect of Increased Glucose Levels on Na ⁺ /K ⁺ -Pump Activity in Cultured Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 1988, 51, 605-610.	2.1	31
59	Regulation of growth factor mRNA levels in the eyes of diabetic rats. <i>Metabolism: Clinical and Experimental</i> , 1995, 44, 1038-1045.	1.5	31
60	Effect of combination therapy consisting of enalapril, α -lipoic acid, and menhaden oil on diabetic neuropathy in a high fat/low dose streptozotocin treated rat. <i>European Journal of Pharmacology</i> , 2015, 765, 258-267.	1.7	31
61	Enriching the diet with menhaden oil improves peripheral neuropathy in streptozotocin-induced type 1 diabetic rats. <i>Journal of Neurophysiology</i> , 2015, 113, 701-708.	0.9	31
62	Effect of increased concentration of D-glucose or L-fucose on monocyte adhesion to endothelial cell monolayers and activation of nuclear factor- κ B. <i>Metabolism: Clinical and Experimental</i> , 2002, 51, 225-234.	1.5	30
63	Mediation of Vascular Relaxation in Epineurial Arterioles of the Sciatic Nerve: Effect of Diabetes in Type 1 and Type 2 Diabetic Rat Models. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2003, 10, 89-94.	1.7	29
64	Treatment of Streptozotocin-Induced Diabetic Rats with Alogliptin: Effect on Vascular and Neural Complications. <i>Experimental Diabetes Research</i> , 2011, 2011, 1-7.	3.8	29
65	Effect of Treatment of Sprague Dawley Rats with AVE7688, Enalapril, or Candoxatril on Diet-Induced Obesity. <i>Journal of Obesity</i> , 2011, 2011, 1-9.	1.1	28
66	Impaired Corneal Sensation and Nerve Loss in a Type 2 Rat Model of Chronic Diabetes Is Reversible With Combination Therapy of Menhaden Oil, α -Lipoic Acid, and Enalapril. <i>Cornea</i> , 2017, 36, 725-731.	0.9	28
67	Determination of peripheral neuropathy in high-fat diet fed low-dose streptozotocin-treated female C57Bl/6J mice and Sprague-Dawley rats. <i>Journal of Diabetes Investigation</i> , 2018, 9, 1033-1040.	1.1	28
68	Effect of Ficarestat and α -Lipoic Acid on Diabetes-Induced Epineurial Arteriole Vascular Dysfunction. <i>Experimental Diabetes Research</i> , 2004, 5, 123-135.	1.0	26
69	Role of the effect of inhibition of neutral endopeptidase on vascular and neural complications in streptozotocin-induced diabetic rats. <i>European Journal of Pharmacology</i> , 2011, 650, 556-562.	1.7	26
70	Localization and regulation of renal Na ⁺ /myo-inositol cotransporter in diabetic rats. <i>Kidney International</i> , 1996, 50, 1202-1211.	2.6	25
71	Vasopeptidase inhibitor ilepatril (AVE7688) prevents obesity- and diabetes-induced neuropathy in C57Bl/6J mice. <i>Neuropharmacology</i> , 2011, 60, 259-266.	2.0	25
72	Early vs. late intervention of high fat/low dose streptozotocin treated C57Bl/6J mice with enalapril, α -lipoic acid, menhaden oil or their combination: Effect on diabetic neuropathy related endpoints. <i>Neuropharmacology</i> , 2017, 116, 122-131.	2.0	25

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73	Ethanolamine and choline transport in cultured bovine aortic endothelial cells. <i>Journal of Cellular Physiology</i> , 1988, 137, 571-576.	2.0	24
74	L-Fucose Is a Potent Inhibitor of myo-Inositol Transport and Metabolism in Cultured Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 1992, 58, 1626-1636.	2.1	24
75	Characterization of Diabetic Neuropathy in the Zucker Diabetic Sprague-Dawley Rat: A New Animal Model for Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2014, 2014, 1-7.	1.0	24
76	Vascular Impairment of Epineurial Arterioles of the Sciatic Nerve: Implications for Diabetic Peripheral Neuropathy. <i>Review of Diabetic Studies</i> , 2015, 12, 13-28.	0.5	24
77	Combination Therapies Prevent the Neuropathic, Proinflammatory Characteristics of Bone Marrow in Streptozotocin-Induced Diabetic Rats. <i>Diabetes</i> , 2015, 64, 643-653.	0.3	24
78	Vascular and Neural Complications in Type 2 Diabetic Rats: Improvement by Sacubitril/Valsartan Greater Than Valsartan Alone. <i>Diabetes</i> , 2018, 67, 1616-1626.	0.3	24
79	Treatment of cardiovascular dysfunction associated with the metabolic syndrome and type 2 diabetes. <i>Vascular Pharmacology</i> , 2008, 48, 47-53.	1.0	22
80	Effect of dietary oils on peripheral neuropathy-related endpoints in dietary obese rats. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2018, Volume 11, 117-127.	1.1	21
81	Progressive Loss of Corneal Nerve Fibers and Sensitivity in Rats Modeling Obesity and Type 2 Diabetes Is Reversible with Omega-3 Fatty Acid Intervention: Supporting Cornea Analyses as a Marker for Peripheral Neuropathy and Treatment. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 1367-1384.	1.1	21
82	Activity and expression of the vanilloid receptor 1 (TRPV1) is altered by long-term diabetes in epineurial arterioles of the rat sciatic nerve. <i>Diabetes/Metabolism Research and Reviews</i> , 2006, 22, 211-219.	1.7	20
83	Effect of Treatment with Salsalate, Menhaden Oil, Combination of Salsalate and Menhaden Oil, or Resolvin D1 of C57Bl/6J Type 1 Diabetic Mouse on Neuropathic Endpoints. <i>Journal of Nutrition and Metabolism</i> , 2016, 2016, 1-11.	0.7	20
84	Effect of tempol on peripheral neuropathy in diet-induced obese and high-fat fed/low-dose streptozotocin-treated C57Bl/6J mice. <i>Free Radical Research</i> , 2017, 51, 360-367.	1.5	20
85	The Potential Role of Fatty Acids in Treating Diabetic Neuropathy. <i>Current Diabetes Reports</i> , 2018, 18, 86.	1.7	20
86	Biology of Activating Transcription Factor 4 (ATF4) and Its Role in Skeletal Muscle Atrophy. <i>Journal of Nutrition</i> , 2022, 152, 926-938.	1.3	20
87	Gluconeogenesis in rabbit liver III. The influences of glucagon, epinephrine, $\hat{1}\pm$ - and $\hat{1}^2$ -adrenergic agents on gluconeogenesis in isolated hepatocytes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1980, 632, 517-526.	1.1	19
88	Na ⁺ /H ⁺ exchanger 1 inhibition reverses manifestation of peripheral diabetic neuropathy in type 1 diabetic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E396-E404.	1.8	19
89	Effect of mitoquinone (Mito-Q) on neuropathic endpoints in an obese and type 2 diabetic rat model. <i>Free Radical Research</i> , 2020, 54, 311-318.	1.5	19
90	Acute and chronic exposure of mouse cerebral microvessel endothelial cells to increased concentrations of glucose and galactose: Effect on myo-inositol metabolism, PGE2 synthesis, and transport activity. <i>Metabolism: Clinical and Experimental</i> , 1991, 40, 347-358.	1.5	18

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91	Synthesis and High Affinity Uptake of Serotonin and Dopamine by Human Y79 Retinoblastoma Cells. <i>Journal of Neurochemistry</i> , 1987, 49, 1316-1323.	2.1	17
92	Impaired responsiveness of renal sensory nerves in streptozotocin-treated rats and obese Zucker diabetic fatty rats: role of angiotensin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R858-R866.	0.9	17
93	Effect of Inhibition of Angiotensin-Converting Enzyme and/or Neutral Endopeptidase on Neuropathy in High-Fat-Fed C57Bl/6J Mice. <i>Journal of Obesity</i> , 2012, 2012, 1-10.	1.1	17
94	Effect of Fish oil Vs. Resolvin D1, E1, Methyl Esters of Resolvins D1 or D2 on Diabetic Peripheral Neuropathy. <i>Journal of Neurology & Neurophysiology</i> , 2017, 08, .	0.1	17
95	Characterization of an Insulin Receptor in Human Y79 Retinoblastoma Cells. <i>Journal of Neurochemistry</i> , 1985, 45, 1590-1595.	2.1	16
96	CCK-A receptor induction and P38MAPK and NF- κ B activation in acute pancreatitis. <i>Pancreatology</i> , 2004, 4, 49-56.	0.5	16
97	12/15-Lipoxygenase inhibition counteracts MAPK phosphorylation in mouse and cell culture models of diabetic peripheral neuropathy. <i>Journal of Diabetes Mellitus</i> , 2013, 03, 101-110.	0.1	16
98	The influences of glucagon, epinephrine and $\hat{1}$ - and $\hat{2}$ -adrenergic agents of glycogenolysis in isolated rabbit hepatocytes and perfused livers. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1981, 674, 297-305.	1.1	15
99	Bile-Pancreatic Juice Exclusion Promotes Akt/NF- κ B Activation and Chemokine Production in Ligation-Induced Acute Pancreatitis. <i>Journal of Gastrointestinal Surgery</i> , 2006, 10, 950-959.	0.9	15
100	Decreased $\hat{1}$ -inositol Uptake Is Associated with Reduced Bradykinin- $\hat{1}$ -Stimulated Phosphatidylinositol Synthesis and Diacylglycerol Content in Cultured Neuroblastoma Cells Exposed to $\hat{1}$ -Fucose. <i>Journal of Neurochemistry</i> , 1994, 62, 147-158.	2.1	15
101	Vascular and Neural Dysfunctions in Obese Zucker Rats: Effect of AVE7688. <i>Experimental Diabetes Research</i> , 2009, 2009, 1-8.	3.8	15
102	Glycine Release from Y79 Retinoblastoma Cells. <i>Journal of Neurochemistry</i> , 1983, 41, 809-815.	2.1	14
103	Mitochondrial superoxide and coenzyme Q in insulin-deficient rats: increased electron leak. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1616-R1624.	0.9	14
104	Corneal Sensitivity to Hyperosmolar Eye Drops: A Novel Behavioral Assay to Assess Diabetic Peripheral Neuropathy. , 2016, 57, 2412.		14
105	Effect of Dietary Content of Menhaden Oil with or without Salsalate on Neuropathic Endpoints in High-Fat-Fed/Low-Dose Streptozotocin-Treated Sprague Dawley Rats. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-9.	1.0	14
106	Is Fish Oil a Potential Treatment for Diabetic Peripheral Neuropathy?. <i>Current Diabetes Reviews</i> , 2018, 14, 339-349.	0.6	14
107	Endothelin-Stimulated Ca^{2+} Mobilization by 3T3-L1 Adipocytes Is Suppressed by Tumor Necrosis Factor- $\hat{1}$. <i>Archives of Biochemistry and Biophysics</i> , 1999, 361, 241-251.	1.4	13
108	Effect of L-fucose on proliferation and myo-inositol metabolism in cultured cerebral microvessel and aortic endothelial cells. <i>Journal of Cellular Physiology</i> , 1992, 153, 321-331.	2.0	12

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109	Abnormal myo-inositol and phospholipid metabolism in cultured fibroblasts from patients with ataxia telangiectasia. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999, 1437, 287-300.	1.2	12
110	Role of Peroxynitrite in the Development of Diabetic Peripheral Neuropathy. <i>Diabetes Care</i> , 2015, 38, e100-e101.	4.3	12
111	Effect of Early and Late Interventions with Dietary Oils on Vascular and Neural Complications in a Type 2 Diabetic Rat Model. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-12.	1.0	12
112	Resting membrane potential in 41A3 mouse neuroblastoma cells. Effect of increased glucose and galactose concentrations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991, 1061, 1-8.	1.4	11
113	Opposing effects of tumour necrosis factor $\hat{\pm}$ and hyperosmolarity on Na ⁺ /myo-inositol co-transporter mRNA levels and myo-inositol accumulation by 3T3-L1 adipocytes. <i>Biochemical Journal</i> , 1998, 336, 317-325.	1.7	11
114	Normalization of hyperosmotic-induced inositol uptake by renal and endothelial cells is regulated by NF- $\hat{\rho}$ B. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 278, C1011-C1018.	2.1	11
115	Diabetic Neuropathy: New Insights to Early Diagnosis and Treatments. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-3.	1.0	11
116	Osmotic regulation of the Na ⁺ /myo-inositol cotransporter and postinduction normalization. <i>Kidney International</i> , 1999, 55, 215-224.	2.6	10
117	Reduced adenosine triphosphatase activity and motor nerve conduction velocity in l-fucose-fed rats is reversible after dietary normalization. <i>Metabolism: Clinical and Experimental</i> , 1996, 45, 229-234.	1.5	9
118	Treatment of diabetic neuropathy with baicalein: Intervention at multiple sites. <i>Experimental Neurology</i> , 2011, 232, 105-109.	2.0	9
119	Treatment for Diabetic Peripheral Neuropathy: What have we Learned from Animal Models?. <i>Current Diabetes Reviews</i> , 2022, 18, .	0.6	9
120	Gluconeogenesis in rabbit liver. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1981, 675, 309-315.	1.1	7
121	Reversal of hyperglycemic-induced defects in myo-inositol metabolism and pump activity in cultured neuroblastoma cells by normalizing glucose levels. <i>Metabolism: Clinical and Experimental</i> , 1993, 42, 1180-1189.	1.5	7
122	Reduced Na ⁺ /K ⁺ ATPase transport activity, resting membrane potential, and bradykinin-stimulated phosphatidylinositol synthesis by polyol accumulation in cultured neuroblastoma cells. <i>Neurochemical Research</i> , 1994, 19, 321-329.	1.6	7
123	Interaction between magnesium and methylglyoxal in diabetic polyneuropathy and neuronal models. <i>Molecular Metabolism</i> , 2021, 43, 101114.	3.0	7
124	Effect of mitoquinone on liver metabolism and steatosis in obese and diabetic rats. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00701.	1.1	7
125	The influences of glucagon, epinephrine and adrenergic agents on glycogen phosphorylase a and pyruvate kinase activities in hepatocytes from juvenile and adult rabbits. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1982, 717, 143-148.	1.1	6
126	Elevated Levels of Glucose and Lâ€Fucose Reduce ²² Na ⁺ Uptake and Whole Cell Na ⁺ Current in Cultured Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 1994, 62, 63-69.	2.1	6

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127	Effect of Inhibition or Deletion of Neutral Endopeptidase on Neuropathic Endpoints in High Fat Fed/Low Dose Streptozotocin-Treated Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 1072-1080.	0.9	6
128	Effect of protein kinase C and phospholipase A2 inhibitors on the impaired ability of human diabetic platelets to cause vasodilation. <i>British Journal of Pharmacology</i> , 1999, 127, 903-908.	2.7	5
129	Dietary fats modify vascular fat composition, <sc>eNOS</sc> localization within lipid rafts and vascular function in obesity. <i>Physiological Reports</i> , 2018, 6, e13820.	0.7	5
130	Characterization of Mice Ubiquitously Overexpressing Human 15-Lipoxygenase-1: Effect of Diabetes on Peripheral Neuropathy and Treatment with Menhaden Oil. <i>Journal of Diabetes Research</i> , 2021, 2021, 1-11.	1.0	5
131	Effect of bradykinin on cytosolic calcium in neuroblastoma cells using the fluorescent indicator fluo-3. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1993, 1177, 215-220.	1.9	4
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