Simeon I Taylor

List of Publications by Year
in descending order

104	9,648	50170 46	35952 97
papers	citations	h-index	g-index

105	105	105	8291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Leptin-Replacement Therapy for Lipodystrophy. New England Journal of Medicine, 2002, 346, 570-578.	13.9	1,130
2	Early neonatal death in mice homozygous for a null allele of the insulin receptor gene. Nature Genetics, 1996, 12, 106-109.	9.4	554
3	Development of a Novel Polygenic Model of NIDDM in Mice Heterozygous for IR and IRS-1 Null Alleles. Cell, 1997, 88, 561-572.	13.5	517
4	AGPAT2 is mutated in congenital generalized lipodystrophy linked to chromosome 9q34. Nature Genetics, 2002, 31, 21-23.	9.4	475
5	SGLT2 Inhibitors May Predispose to Ketoacidosis. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2849-2852.	1.8	411
6	Leptin reverses insulin resistance and hepatic steatosis in patients with severe lipodystrophy. Journal of Clinical Investigation, 2002, 109, 1345-1350.	3.9	373
7	Physiological Role of Akt in Insulin-Stimulated Translocation of GLUT4 in Transfected Rat Adipose Cells. Molecular Endocrinology, 1997, 11, 1881-1890.	3.7	332
8	Deconstructing Type 2 Diabetes. Cell, 1999, 97, 9-12.	13.5	290
9	Mutational and Haplotype Analyses of Families with Familial Partial Lipodystrophy (Dunnigan Variety) Reveal Recurrent Missense Mutations in the Globular C-Terminal Domain of Lamin A/C. American Journal of Human Genetics, 2000, 66, 1192-1198.	2.6	260
10	Identification of a Family of Sorting Nexin Molecules and Characterization of Their Association with Receptors. Molecular and Cellular Biology, 1998, 18, 7278-7287.	1.1	233
11	Possible adverse effects of SGLT2 inhibitors on bone. Lancet Diabetes and Endocrinology,the, 2015, 3, 8-10.	5.5	223
12	Mutations in Insulin-Receptor Gene in Insulin-Resistant Patients. Diabetes Care, 1990, 13, 257-279.	4.3	219
13	Human diabetes associated with a mutation in the tyrosine kinase domain of the insulin receptor. Science, 1989, 245, 66-68.	6.0	218
14	Insulin Access and Affordability Working Group: Conclusions and Recommendations. Diabetes Care, 2018, 41, 1299-1311.	4.3	210
15	Lipoatrophy Revisited. Trends in Endocrinology and Metabolism, 2000, 11, 410-416.	3.1	193
16	A Gene for Congenital Generalized Lipodystrophy Maps to Human Chromosome 9q34. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 3390-3394.	1.8	167
17	Ketoacidosis associated with SGLT2 inhibitor treatment: Analysis of FAERS data. Diabetes/Metabolism Research and Reviews, 2017, 33, e2924.	1.7	147
18	Use of polymerase chain reaction catalyzed by Taq DNA polymerase for site-specific mutagenesis. Gene, 1989, 76, 161-166.	1.0	146

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19	Hypoglycemia Associated with Antibodies to the Insulin Receptor. New England Journal of Medicine, 1982, 307, 1422-1426.	13.9	144
20	Insulin Resistance Associated with Androgen Excess in Women with Autoantibodies to the Insulin Receptor. Annals of Internal Medicine, 1982, 97, 851.	2.0	134
21	Subcellular Localization and Internalization of the Four Human Leptin Receptor Isoforms. Journal of Biological Chemistry, 1999, 274, 21416-21424.	1.6	120
22	Activation of Serum- and Glucocorticoid-induced Protein Kinase (Sgk) by Cyclic AMP and Insulin. Journal of Biological Chemistry, 2001, 276, 9406-9412.	1.6	120
23	Sorting Nexin 6, a Novel SNX, Interacts with the Transforming Growth Factor-Î² Family of Receptor Serine-Threonine Kinases. Journal of Biological Chemistry, 2001, 276, 19332-19339.	1.6	119
24	Homozygous deletion of the human insulin receptor gene results in leprechaunism. Nature Genetics, 1993, 5, 71-73.	9.4	117
25	Hepatocyte plasma membrane ecto-ATPase (pp120HA4) is a substrate for tyrosine kinase activity of the insulin receptor. Biochemical and Biophysical Research Communications, 1990, 166, 562-566.	1.0	110
26	Decreased Insulin Binding in Cultured Lymphocytes from Two Patients with Extreme Insulin Resistance*. Journal of Clinical Endocrinology and Metabolism, 1982, 54, 919-930.	1.8	109
27	Unique Features of the Insulin Receptor in Rat Brain. Journal of Neurochemistry, 1984, 43, 1302-1309.	2.1	102
28	Pharmacological treatment of hyperglycemia in type 2 diabetes. Journal of Clinical Investigation, 2021, 131, .	3.9	102
29	Tyrosine Phosphorylation of Insulin Receptor Substrate-1 in Vivo Depends upon the Presence of Its Pleckstrin Homology Region. Journal of Biological Chemistry, 1995, 270, 18083-18087.	1.6	97
30	Canagliflozin triggers the FGF23/1,25-dihydroxyvitamin D/PTH axis in healthy volunteers in a randomized crossover study. JCI Insight, 2018, 3, .	2.3	96
31	A Mutation in the Tyrosine Kinase Domain of the Insulin Receptor Associated with Insulin Resistance in an Obese Woman*. Journal of Clinical Endocrinology and Metabolism, 1991, 73, 894-901.	1.8	77
32	Identification and Characterization of SNX15, a Novel Sorting Nexin Involved in Protein Trafficking. Journal of Biological Chemistry, 2001, 276, 5074-5084.	1.6	75
33	Tyrosine Kinase Activity of the Insulin Receptor of Patients with Type A Extreme Insulin Resistance: Studies with Circulating Mononuclear Cells and Cultured Lymphocytes. Journal of Clinical Endocrinology and Metabolism, 1984, 59, 1152-1158.	1.8	73
34	SGLT2 inhibitors as adjunctive therapy for type 1 diabetes: balancing benefits and risks. Lancet Diabetes and Endocrinology,the, 2019, 7, 949-958.	5.5	69
35	Absence of insulin receptor gene mutations in three insulin-resistant women with the polycystic ovary syndrome. Metabolism: Clinical and Experimental, 1994, 43, 1568-1574.	1.5	63
36	Human biallelic MFN2 mutations induce mitochondrial dysfunction, upper body adipose hyperplasia, and suppression of leptin expression. ELife, 2017, 6, .	2.8	60

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37	Dual Role of a Dileucine Motif in Insulin Receptor Endocytosis. Journal of Biological Chemistry, 1997, 272, 21685-21691.	1.6	58
38	Decreased Insulin Binding to Cultured Cells from a Patient with the Rabson-Mendenhall Syndrome: Dichotomy between Studies with Cultured Lymphocytes and Cultured Fibroblasts*. Journal of Clinical Endocrinology and Metabolism, 1983, 56, 856-861.	1.8	57
39	Action of Insulin Receptor Substrate-3 (IRS-3) and IRS-4 to Stimulate Translocation of GLUT4 in Rat Adipose Cells. Molecular Endocrinology, 1999, 13, 505-514.	3.7	56
40	Anti-receptor Antibodies Mimic the Effect of Insulin to Down-Regulate Insulin Receptors in Cultured Human Lymphoblastoid (IM-9) Cells. Journal of Clinical Endocrinology and Metabolism, 1984, 58, 182-186.	1.8	55
41	Extreme Insulin Resistance in Association with Abnormally High Binding Affinity of Insulin Receptors from a Patient with Leprechaunism: Evidence for a Defect Intrinsic to the Receptor. Journal of Clinical Endocrinology and Metabolism, 1982, 55, 1108-1113.	1.8	54
42	Insulin stimulates phosphorylation of serine residues in soluble insulin receptors. Biochemical and Biophysical Research Communications, 1983, 116, 1129-1135.	1.0	54
43	The Amino Acid Sequence of the Insulin Receptor Is Normal in an Insulin-Resistant Pima Indian*. Journal of Clinical Endocrinology and Metabolism, 1990, 70, 1155-1166.	1.8	54
44	GENETIC BASIS OF ENDOCRINE DISEASE 1 Molecular Genetics of Insulin Resistant Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 1991, 73, 1158-1163.	1.8	54
45	Defects in Human Insulin Receptor Gene Expression. Molecular Endocrinology, 1988, 2, 242-247.	3.7	47
46	Overexpression of a Novel Sorting Nexin, SNX15, Affects Endosome Morphology and Protein Trafficking. Traffic, 2000, 1, 904-916.	1.3	47
47	Insulin Receptor Substrate-2 (IRS-2) Can Mediate the Action of Insulin to Stimulate Translocation of GLUT4 to the Cell Surface in Rat Adipose Cells. Journal of Biological Chemistry, 1997, 272, 29829-29833.	1.6	46
48	Autoantibodies to the insulin receptor as a cause of autoimmune hypoglycemia in systemic lupus erythematosus. American Journal of Medicine, 1988, 84, 334-338.	0.6	45
49	11 Insulin receptors in normal and disease states. Clinics in Endocrinology and Metabolism, 1983, 12, 191-219.	1.8	44
50	Structural and Functional Analysis of the Insulin Receptor Promoter. Molecular Endocrinology, 1990, 4, 647-656.	3.7	43
51	Adverse effects of SGLT2 inhibitors on bone health. Nature Reviews Nephrology, 2018, 14, 473-474.	4.1	42
52	Insulin signal transduction pathways. Trends in Endocrinology and Metabolism, 1994, 5, 369-376.	3.1	41
53	Interaction of Insulin Receptor Substrate 3 with Insulin Receptor, Insulin Receptor-related Receptor, Insulin-like Growth Factor-1 Receptor, and Downstream Signaling Proteins. Journal of Biological Chemistry, 1999, 274, 15262-15270.	1.6	40
54	Regulation of lipogenesis in adipose tissue: The significance of the activation of pyruvate dehydrogenase by insulin. Archives of Biochemistry and Biophysics, 1974, 164, 12-19.	1.4	38

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55	Sodiumâ€“Glucose Cotransporter 2 Inhibitors: A Case Study in Translational Research. Diabetes, 2019, 68, 1109-1120.	0.3	38
56	Two Unrelated Patients with Familial Hyperproinsulinemia due to a Mutation Substituting Histidine for Arginine at Position 65 in the Proinsulin Molecule: Identification of the Mutation by Direct Sequencing of Genomic Deoxyribonucleic Acid Amplified by Polymerase Chain Reaction. Journal of Clinical Endocrinology and Metabolism, 1990, 71, 164-169.	1.8	35
57	Homozygosity for a null allele of the insulin receptor gene in a patient with leprechaunism. Human Mutation, 1995, 6, 17-22.	1.1	35
58	Syndromes Associated with Insulin Resistance and Acanthosis Nigricans. Journal of Basic and Clinical Physiology and Pharmacology, 1998, 9, 419-439.	0.7	34
59	Characterization of Drosophila Insulin Receptor Substrate. Journal of Biological Chemistry, 2000, 275, 23346-23354.	1.6	34
60	The High Cost of Diabetes Drugs: Disparate Impact on the Most Vulnerable Patients. Diabetes Care, 2020, 43, 2330-2332.	4.3	33
61	Effects of Overexpressing Wild-Type and Mutant PDGF Receptors on Translocation of GLUT4 in Transfected Rat Adipose Cells. Biochemical and Biophysical Research Communications, 1996, 226, 587-594.	1.0	32
62	Genetically Defined Forms of Diabetes in Children. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 4390-4396.	1.8	31
63	Insulin Receptor Substrate-1 Pleckstrin Homology and Phosphotyrosine-binding Domains Are Both Involved in Plasma Membrane Targeting. Journal of Biological Chemistry, 2001, 276, 40795-40802.	1.6	31
64	Intensive, Long-Term Plasma Exchange Therapy for Severe Hypertriglyceridemia in Acquired Generalized Lipoatrophy. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 380-384.	1.8	30
65	GLP-1 receptor agonists: differentiation within the class. Lancet Diabetes and Endocrinology,the, 2018, 6, 83-85.	5.5	30
66	The insulin-stimulated receptor kinase is a tyrosine-specific casein kinase. FEBS Journal, 1983, 137, 631-637.	0.2	29
67	Diabetic ketoacidosis, sodium glucose transporter-2 inhibitors and the kidney. Journal of Diabetes and Its Complications, 2016, 30, 1162-1166.	1.2	28
68	Familial Hypercholesterolemia and Type 2 Diabetes in the Old Order Amish. Diabetes, 2017, 66, 2054-2058.	0.3	28
69	Deletion of interleukin 1 receptor-associated kinase 1 (Irak1) improves glucose tolerance primarily by increasing insulin sensitivity in skeletal muscle. Journal of Biological Chemistry, 2017, 292, 12339-12350.	1.6	28
70	Genetics of the Insulin Receptor Defect in a Patient with Extreme Insulin Resistance*. Journal of Clinical Endocrinology and Metabolism, 1986, 62, 1130-1135.	1.8	27
71	Rat liver membranes contain a 120 kDa glycoprotein which serves as a substrate for the tyrosine kinases of the receptors for insulin and epidermal growth factor. FEBS Letters, 1987, 212, 141-144.	1.3	24
72	Four Mutant Alleles of the Insulin Receptor Gene Associated with Genetic Syndromes of Extreme Insulin Resistance. Biochemical and Biophysical Research Communications, 1997, 237, 516-520.	1.0	24

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73	Substitution of Leu for Pro-193 in the insulin receptor in a patient with a genetic form of severe insulin resistance. Human Molecular Genetics, 1993, 2, 1437-1441.	1.4	23
74	Insulin-Stimulated Receptor Phosphorylation Appears Normal in Cultured Epstein-Barr Virus-Transformed Lymphocyte Cell Lines Derived from Patients with Extreme Insulin Resistance*. Journal of Clinical Endocrinology and Metabolism, 1985, 60, 381-386.	1.8	22
75	Two mutant alleles of the insulin receptor gene in a family with a genetic form of insulin resistance: a 10 base pair deletion in exon 1 and a mutation substituting serine for asparagine-462. Human Genetics, 1995, 95, 174-182.	1.8	22
76	Paradoxical biological effects of overexpressed insulin-like growth factor-1 receptors in chinese hamster ovary cells. Journal of Cellular Physiology, 1993, 156, 145-152.	2.0	21
77	Cloning of the chicken insulin receptor substrate 1 gene. Gene, 1996, 178, 51-55.	1.0	20
78	Atypical Antiinsulin Receptor Antibodies in a Patient With Type B Insulin Resistance and Scleroderma. Journal of Clinical Endocrinology and Metabolism, 1989, 68, 227-231.	1.8	19
79	Unusual Forms of Insulin Resistance. Annual Review of Medicine, 1991, 42, 373-379.	5.0	19
80	Lipoatrophy syndromes: when â€˜too little fatâ€™ is a clinical problem. Pediatric Diabetes, 2000, 1, 155-168.	1.2	18
81	The Dual Peroxisome Proliferator-Activated Receptor Î±/Î³ Activator Muraglitazar Prevents the Natural Progression of Diabetes in db/db Mice. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 107-115.	1.3	16
82	Insulin stimulated protein phosphorylation in human plasma liver membranes: Detection of endogenous or plasma membrane associated substrates for insulin receptor kinase. Biochemical and Biophysical Research Communications, 1987, 149, 1008-1016.	1.0	15
83	Genetic and functional evidence links a missense variant in B4GALT1 to lower LDL and fibrinogen. Science, 2021, 374, 1221-1227.	6.0	14
84	Mutations of the human insulin receptor gene. Trends in Endocrinology and Metabolism, 1990, 1, 134-139.	3.1	13
85	[51] Assay of antibodies directed against cell surface receptors. Methods in Enzymology, 1985, 109, 656-667.	0.4	11
86	pp-120: A common endogenous substrate for insulin and IGF-1 receptor-associated tyrosine kinase activity in the highly malignant AS-30D rat hepatoma cells. Biochemical and Biophysical Research Communications, 1989, 160, 168-173.	1.0	11
87	Insulin-induced Activation of Phosphatidylinositol (PI) 3-Kinase. Journal of Biological Chemistry, 1995, 270, 30018-30022.	1.6	11
88	Effect of Leptin Administration on Circulating Apolipoprotein CIII levels in Patients With Lipodystrophy. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1790-1797.	1.8	10
89	Monocyte DPP4 Expression in Human Atherosclerosis Is Associated With Obesity and Dyslipidemia. Diabetes Care, 2018, 41, e1-e3.	4.3	9
90	Increased usual physical activity is associated with a blunting of the triglyceride response to a high-fat meal. Journal of Clinical Lipidology, 2019, 13, 109-114.	0.6	9

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91	Cardiovascular outcome trials of diabetes drugs: lessons learned. Journal of Clinical Investigation, 2018, 128, 893-896.	3.9	9
92	Sodiumâ€“Glucose Cotransporter-2 Inhibitors: Lack of a Complete History Delays Diagnosis. Annals of Internal Medicine, 2019, 171, 421.	2.0	8
93	Smarter Modeling to Enable a Smarter Insulin. Diabetes, 2020, 69, 1608-1610.	0.3	8
94	Individualized Glycemic Goals for Older Adults Are a Moving Target. Diabetes Care, 2022, 45, 1029-1031.	4.3	6
95	SGLT2i Improves Glycemic Control in Patients With Congenital Severe Insulin Resistance. Pediatrics, 2022, 150, .	1.0	6
96	The complicated clinical course in a case of atypical lipodystrophy after development of neutralizing antibody to metreleptin: treatment with setmelanotide. Endocrinology, Diabetes and Metabolism Case Reports, 2020, 2020, .	0.2	5
97	Insulin: still a miracle after all these years. Journal of Clinical Investigation, 2019, 129, 3045-3047.	3.9	4
98	YIPF5 mutations cause neonatal diabetes and microcephaly: progress for precision medicine and mechanistic understanding. Journal of Clinical Investigation, 2020, 130, 6228-6231.	3.9	3
99	Rational design of peptide agonists of cell-surface receptors. Trends in Pharmacological Sciences, 2000, 21, 9-10.	4.0	2
100	Mutagenesis of Phe381and Phe382in the extracellular domain of the insulin receptor: effects on receptor biosynthesis, processing, and ligand-dependent internalization. FEBS Letters, 1994, 341, 104-108.	1.3	1
101	Metabolic syndrome: an ill wind that blows some good?. Diabetes/Metabolism Research and Reviews, 2015, 31, 344-345.	1.7	1
102	Treatment of Lipodystrophy with Troglitazone. Annals of Internal Medicine, 2001, 134, 1153.	2.0	0
103	Response to the Letter: Comment to letter by Segar L.. Journal of Clinical Endocrinology and Metabolism, 2016, 101, L29-L29.	1.8	0
104	Letter to the Editor: â€œHypertension and Type 2 Diabetes Are Associated With Decreased Inhibition of Dipeptidyl Peptidase-4 by Sitagliptinâ€• Journal of the Endocrine Society, 2020, 4, bvaa005.	0.1	0