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List of Publications by Year
in descending order

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99 papers	2,854 citations	126907 33 h-index	206112 48 g-index
99 all docs	99 docs citations	99 times ranked	2535 citing authors

#	Article	IF	Citations
1	In vitro and in vivo antihyperglycemic activity of the ethanol extract of Heritiera fomes bark and characterization of pharmacologically active phytomolecules. Journal of Pharmacy and Pharmacology, 2022, 74, 415-425.	2.4	5
2	Diabetic Retinopathy: An Overview on Mechanisms, Pathophysiology and Pharmacotherapy. International Journal of Diabetology, 2022, 3, 159-175.	2.0	24
3	Insulin secretory and antidiabetic actions of Heritiera fomes bark together with isolation of active phytomolecules. PLoS ONE, 2022, 17, e0264632.	2.5	10
4	Pharmacologically Active Phytomolecules Isolated from Traditional Antidiabetic Plants and Their Therapeutic Role for the Management of Diabetes Mellitus. Molecules, 2022, 27, 4278.	3.8	34
5	Effects of 22 traditional anti-diabetic medicinal plants on DPP-IV enzyme activity and glucose homeostasis in high-fat fed obese diabetic rats. Bioscience Reports, 2021, 41, .	2.4	25
6	Mechanisms of action of the antidiabetic peptide [S4K]CPF-AM1 in db/db mice. Journal of Molecular Endocrinology, 2021, 66, 115-128.	2.5	7
7	Beneficial actions of the [A14K] analog of the frog skin peptide PGLa-AM1 in mice with obesity and degenerative diabetes: A mechanistic study. Peptides, 2021, 136, 170472.	2.4	5
8	Insulinotropic and antidiabetic properties of Eucalyptus citriodora leaves and isolation of bioactive phytomolecules. Journal of Pharmacy and Pharmacology, 2021, 73, 1049-1061.	2.4	14
9	Effects of longâ€acting analogues of lamprey GLPâ€1 and paddlefish glucagon on alphaâ€to betaâ€cell transdifferentiation in an insulinâ€deficient transgenic mouse model. Journal of Peptide Science, 2021, 27, e3328.	1.4	2
10	Identification of Multiple Pancreatic and Extra-Pancreatic Pathways Underlying the Glucose-Lowering Actions of Acacia arabica Bark in Type-2 Diabetes and Isolation of Active Phytoconstituents. Plants, 2021, 10, 1190.	3.5	8
11	A long-acting, dual-agonist analogue of lamprey GLP-1 shows potent insulinotropic, Î²-cell protective, and anorexic activities and improves glucose homeostasis in high fat-fed mice. Molecular and Cellular Endocrinology, 2020, 499, 110584.	3.2	8
12	Evaluation of the Antidiabetic and Insulin Releasing Effects of A. squamosa, Including Isolation and Characterization of Active Phytochemicals. Plants, 2020, 9, 1348.	3.5	17
13	Anti-hyperglycaemic and insulin-releasing effects of Camellia sinensis leaves and isolation and characterisation of active compounds. British Journal of Nutrition, 2020, 126, 1-15.	2.3	15
14	Effects of Spirulina platensis on insulin secretion, dipeptidyl peptidase IV activity and both carbohydrate digestion and absorption indicate potential as an adjunctive therapy for diabetes. British Journal of Nutrition, 2020, 124, 1021-1034.	2.3	25
15	Anti-hyperglycaemic activity of H. rosa-sinensis leaves is partly mediated by inhibition of carbohydrate digestion and absorption, and enhancement of insulin secretion. Journal of Ethnopharmacology, 2020, 253, 112647.	4.1	29
16	Glucagon from the phylogenetically ancient paddlefish provides a template for the design of a long-acting peptide with effective anti-diabetic and anti-obesity activities. European Journal of Pharmacology, 2020, 878, 173101.	3.5	4
17	Conformational analysis and inÂvitro immunomodulatory and insulinotropic properties of the frog skin host-defense peptide rhinophrynin-27 and selected analogs. Biochimie, 2019, 167, 198-206.	2.6	2
18	Glucagon-like peptides-1 from phylogenetically ancient fish show potent anti-diabetic activities by acting as dual GLP1R and GCGR agonists. Molecular and Cellular Endocrinology, 2019, 480, 54-64.	3.2	8

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19	Insulinotropic activity of the host-defense peptide frenatin 2D: Conformational, structure-function and mechanistic studies. Biochimie, 2019, 156, 12-21.	2.6	4
20	Tissue expression of DPP-IV in obesity-diabetes and modulatory effects on peptide regulation of insulin secretion. Peptides, 2018, 100, 165-172.	2.4	14
21	Assessment of the potential of temporin peptides from the frog <scp>Rana temporaria</scp> (Ranidae) as antiâ€diabetic agents. Journal of Peptide Science, 2018, 24, e3065.	1.4	24
22	Insulinotropic, glucose-lowering, and beta-cell anti-apoptotic actions of peptides related to esculentin-1a(1-21).NH2. Amino Acids, 2018, 50, 723-734.	2.7	8
23	Peptides from frog skin with potential for development into agents for Type 2 diabetes therapy. Peptides, 2018, 100, 275-281.	2.4	34
24	Evaluation of the insulinotropic and glucose-lowering actions of zebrafish GIP in mammalian systems: Evidence for involvement of the GLP-1 receptor. Peptides, 2018, 100, 182-189.	2.4	14
25	Glucagon-related peptides from phylogenetically ancient fish reveal new approaches to the development of dual GCGR and GLP1R agonists for type 2 diabetes therapy. Peptides, 2018, 110, 19-29.	2.4	13
26	Esculentin-2CHa(1â€“30) and its analogues: stability and mechanisms of insulinotropic action. Journal of Endocrinology, 2017, 232, 423-435.	2.6	17
27	Actions of PGLa-AM1 and its [A14K] and [A20K] analogues and their therapeutic potential as anti-diabetic agents. Biochimie, 2017, 138, 1-12.	2.6	16
28	Anti-diabetic actions of esculentin-2CHa(1â€“30) and its stable analogues in a diet-induced model of obesity-diabetes. Amino Acids, 2017, 49, 1705-1717.	2.7	14
29	Cytotoxic peptides with insulinâ€releasing activities from skin secretions of the Italian stream frog <scp>Rana italica</scp> (Ranidae). Journal of Peptide Science, 2017, 23, 769-776.	1.4	13
30	Metabolic effects of orally administered small-molecule agonists of GPR55 and GPR119 in multiple low-dose streptozotocin-induced diabetic and incretin-receptor-knockout mice. Diabetologia, 2016, 59, 2674-2685.	6.3	45
31	Glucoregulatory, endocrine and morphological effects of [P5K]hymenochirin-1B in mice with diet-induced glucose intolerance and insulin resistance. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 769-781.	3.0	15
32	Preparation and in vivo evaluation of insulin-loaded biodegradable nanoparticles prepared from diblock copolymers of PLGA and PEG. International Journal of Pharmaceutics, 2016, 499, 236-246.	5.2	67
33	Molecular mechanisms mediating the beneficial metabolic effects of [Arg4]tigerinin-1R in mice with diet-induced obesity and insulin resistance. Biological Chemistry, 2016, 397, 753-764.	2.5	17
34	[I10W]tigerinin-1R enhances both insulin sensitivity and pancreatic beta cell function and decreases adiposity and plasma triglycerides in high-fat mice. Acta Diabetologica, 2016, 53, 303-315.	2.5	8
35	GPR39 receptors and actions of trace metals on pancreatic beta cell function and glucose homoeostasis. Acta Diabetologica, 2016, 53, 279-293.	2.5	14
36	In vitro and in vivo insulinotropic properties of the multifunctional frog skin peptide hymenochirin-1B: a structureâ€“activity study. Amino Acids, 2016, 48, 535-547.	2.7	28

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37	Esculentin-2CHa-Related Peptides Modulate Islet Cell Function and Improve Glucose Tolerance in Mice with Diet-Induced Obesity and Insulin Resistance. PLoS ONE, 2015, 10, e0141549.	2.5	23
38	The frog skin host-defense peptide CPF-SE1 improves glucose tolerance, insulin sensitivity and islet function and decreases plasma lipids in high-fat fed mice. European Journal of Pharmacology, 2015, 764, 38-47.	3.5	16
39	Beneficial effects of tigerinin-1R on glucose homeostasis and beta cell function in mice with diet-induced obesity-diabetes. Biochimie, 2015, 109, 18-26.	2.6	14
40	Magainin-AM2 improves glucose homeostasis and beta cell function in high-fat fed mice. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 80-87.	2.4	17
41	Magainin-Related Peptides Stimulate Insulin-Release and Improve Glucose Tolerance in High Fat Fed Mice. Protein and Peptide Letters, 2015, 22, 256-263.	0.9	8
42	Evidence for inhibitory autocrine effects of proinsulin Câ€peptide on pancreatic Î²â€cell function and insulin secretion. Diabetes, Obesity and Metabolism, 2014, 16, 937-946.	4.4	14
43	Activation of GPR119 by fatty acid agonists augments insulin release from clonal Î²-cells and isolated pancreatic islets and improves glucose tolerance in mice. Biological Chemistry, 2014, 395, 453-464.	2.5	34
44	Insulin-releasing and cytotoxic properties of the frog skin peptide, tigerinin-1R: a structureâ€“activity study. Peptides, 2014, 55, 23-31.	2.4	24
45	Evaluation of the insulinâ€releasing and glucoseâ€lowering effects of <scp>GPR120</scp> activation in pancreatic Î²â€cells. Diabetes, Obesity and Metabolism, 2014, 16, 1128-1139.	4.4	53
46	Frog skin peptides (tigerinin-1R, magainin-AM1, -AM2, CPF-AM1, and PGla-AM1) stimulate secretion of glucagon-like peptide 1 (GLP-1) by GLUTag cells. Biochemical and Biophysical Research Communications, 2013, 431, 14-18.	2.1	34
47	Evaluation of the insulin releasing and antihyperglycaemic activities of <scp>GPR55</scp> lipid agonists using clonal betaâ€cells, isolated pancreatic islets and mice. British Journal of Pharmacology, 2013, 170, 978-990.	5.4	74
48	Caerulein precursor fragment (CPF) peptides from the skin secretions of Xenopus laevis and Silurana epitropicalis are potent insulin-releasing agents. Biochimie, 2013, 95, 429-435.	2.6	29
49	Insulin-Releasing Peptides. , 2013, , 364-370.		5
50	Insulinotropic Actions of the Frog Skin Hostâ€Defense Peptide Alyteserinâ€2a: A Structureâ€“Activity Study. Chemical Biology and Drug Design, 2013, 82, 196-204.	3.2	18
51	Antihyperglycaemic activity ofAsparagus racemosusroots is partly mediated by inhibition of carbohydrate digestion and absorption, and enhancement of cellular insulin action. British Journal of Nutrition, 2012, 107, 1316-1323.	2.3	42
52	Peptidomic analysis of skin secretions from the bullfrog Lithobates catesbeianus (Ranidae) identifies multiple peptides with potent insulin-releasing activity. Peptides, 2011, 32, 203-208.	2.4	34
53	Tigerinin-1R: a potent, non-toxic insulin-releasing peptide isolated from the skin of the Asian frog, Hoplobatrachus rugulosus. Diabetes, Obesity and Metabolism, 2011, 13, 1114-1122.	4.4	39
54	Caerulein-and xenopsin-related peptides with insulin-releasing activities from skin secretions of the clawed frogs, Xenopus borealis and Xenopus amieti (Pipidae). General and Comparative Endocrinology, 2011, 172, 314-320.	1.8	25

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55	Terminalia belliricastimulates the secretion and action of insulin and inhibits starch digestion and protein glycationin vitro. British Journal of Nutrition, 2010, 103, 212-217.	2.3	44
56	Brevinin-2-related Peptide and its [D4K] Analogue Stimulate Insulin Release In Vitro and Improve Glucose Tolerance in Mice Fed a High Fat Diet. Hormone and Metabolic Research, 2010, 42, 652-656.	1.5	34
57	A glycine-leucine-rich peptide structurally related to the plasticins from skin secretions of the frog Leptodactylus laticeps (Leptodactylidae). Peptides, 2009, 30, 888-892.	2.4	36
58	A potent, non-toxic insulin-releasing peptide isolated from an extract of the skin of the Asian frog, Hylarana guntheri (Anura:Ranidae). Regulatory Peptides, 2008, 151, 153-159.	1.9	48
59	A peptide of the phylloseptin family from the skin of the frog Hylomantis lemur (Phyllomedusinae) with potent in vitro and in vivo insulin-releasing activity. Peptides, 2008, 29, 2136-2143.	2.4	37
60	Insulin-releasing properties of the frog skin peptide pseudin-2 and its [Lys¹⁸]-substituted analogue. Biological Chemistry, 2008, 389, 143-148.	2.5	37
61	Soluble dietary fibre fraction ofTrigonella foenum-graecum(fenugreek) seed improves glucose homeostasis in animal models of type 1 and type 2 diabetes by delaying carbohydrate digestion and absorption, and enhancing insulin action. British Journal of Nutrition, 2007, 97, 514-521.	2.3	210
62	Insulin Releasing Properties of the Temporin Family of Antimicrobial Peptides. Protein and Peptide Letters, 2007, 14, 702-707.	0.9	38
63	Insulin secretory actions of extracts of Asparagus racemosus root in perfused pancreas, isolated islets and clonal pancreatic Î²-cells. Journal of Endocrinology, 2007, 192, 159-168.	2.6	60
64	A stable analogue of glucose-dependent insulinotropic polypeptide, GIP(LysPAL16), enhances functional differentiation of mouse embryonic stem cells into cells expressing islet-specific genes and hormones. Biological Chemistry, 2006, 387, 941-7.	2.5	22
65	Ocimum sanctum leaf extracts stimulate insulin secretion from perfused pancreas, isolated islets and clonal pancreatic Î²-cells. Journal of Endocrinology, 2006, 189, 127-136.	2.6	112
66	Skin secretions of Rana saharica frogs reveal antimicrobial peptides esculentins-1 and -1B and brevinins-1E and -2EC with novel insulin releasing activity. Journal of Endocrinology, 2006, 188, 1-9.	2.6	61
67	Asparagus adscendens (Shweta musali) stimulates insulin secretion, insulin action and inhibits starch digestion. British Journal of Nutrition, 2006, 95, 576-581.	2.3	38
68	Aqueous extracts of husks of Plantago ovata reduce hyperglycaemia in type 1 and type 2 diabetes by inhibition of intestinal glucose absorption. British Journal of Nutrition, 2006, 96, 131.	2.3	60
69	Isolation and structural characterisation of a novel 13-amino acid insulin-releasing peptide from the skin secretion of Agalychnis calcarifer. Biological Chemistry, 2005, 386, 813-813.	2.5	3
70	Isolation and structural characterisation of a novel 13-amino acid insulin-releasing peptide from the skin secretion of Agalychnis calcarifer. Biological Chemistry, 2005, 386, 581-7.	2.5	14
71	Isolation and structural characterization of novel Rugosin A-like insulinotropic peptide from the skin secretions of Rana saharica frog. Peptides, 2005, 26, 2117-2123.	2.4	9
72	Brevinin-1 and multiple insulin-releasing peptides in the skin of the frog Rana palustris. Journal of Endocrinology, 2004, 181, 347-354.	2.6	39

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73	Skin secretion of the toad Bombina variegata contains multiple insulin-releasing peptides including bombesin and entirely novel insulinotropic structures. Biological Chemistry, 2004, 385, 315-21.	2.5	23
74	Time-correlation between membrane depolarization and intracellular calcium in insulin secreting BRIN-BD11 cells: studies using FLIPR. Cell Calcium, 2004, 36, 43-50.	2.4	38
75	Isolation and characterisation of an unexpected class of insulinotropic peptides in the skin of the frog Agalychnis litodryas. Regulatory Peptides, 2004, 120, 33-38.	1.9	27
76	Novel Insulin-Releasing Peptides in the Skin of Phyllomedusa trinitatis Frog Include 28 Amino Acid Peptide From Dermaseptin BIV Precursor. Pancreas, 2004, 29, 110-115.	1.1	19
77	Cooperative enhancement of insulinotropic action of GLP-1 by acetylcholine uncovers paradoxical inhibitory effect of beta cell muscarinic receptor activation on adenylate cyclase activity. Biochemical Pharmacology, 2003, 65, 283-292.	4.4	22
78	The effects of traditional antidiabetic plants on in vitro glucose diffusion. Nutrition Research, 2003, 23, 413-424.	2.9	198
79	Evidence for a sustained increase in clonal beta-cell basal intracellular Ca2+ levels after incubation in the presence of newly diagnosed Type-1 diabetic patient sera. Possible role in serum-induced inhibition of insulin secretion. Journal of Endocrinology, 2002, 173, 53-62.	2.6	9
80	Vitamin C supplementation decreases insulin glycation and improves glucose homeostasis in obese hyperglycemic (ob/ob) mice. Metabolism: Clinical and Experimental, 2002, 51, 514-517.	3.4	50
81	Muscarinic receptor subtypes mediate stimulatory and paradoxical inhibitory effects on an insulin-secreting Î² cell line. Biochimica Et Biophysica Acta - General Subjects, 2002, 1569, 45-50.	2.4	24
82	Evaluation of glycated glucagon-like peptide-1(7-36)amide in intestinal tissue of normal and diabetic animal models. Biochimica Et Biophysica Acta - General Subjects, 2002, 1569, 75-80.	2.4	8
83	Functional Enhancement of Electrofusion-derived BRIN-BD11 Insulin-secreting Cells After Implantation into Diabetic Mice. International Journal of Experimental Diabetes Research, 2001, 2, 29-36.	1.1	4
84	Receptors and Ligands for Autocrine Growth Pathways Are Up-regulated When Pancreatic Cancer Cells Are Adapted to Serum-Free Culture. Pancreas, 2001, 22, 293-298.	1.1	20
85	Detection of Glycated Gastric Inhibitory Polypeptide within the Intestines of Diabetic Obese (ob/ob) Mice. Endocrine, 2001, 16, 167-172.	2.2	4
86	The Traditional Plant Treatment, Sambucus nigra (elder), Exhibits Insulin-Like and Insulin-Releasing Actions In Vitro. Journal of Nutrition, 2000, 130, 15-20.	2.9	126
87	Impaired ability of glycated insulin to regulate plasma glucose and stimulate glucose transport and metabolism in mouse abdominal muscle. Biochimica Et Biophysica Acta - General Subjects, 2000, 1523, 128-134.	2.4	48
88	Structure, antihyperglycemic activity and cellular actions of a novel diglycated human insulin. Peptides, 2000, 21, 1519-1526.	2.4	23
89	N-terminal glycation of cholecystokinin-8 abolishes its insulinotropic action on clonal pancreatic B-cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1452, 60-67.	4.1	14
90	Glycation of glucagon-like peptide-1(7-36)amide: characterization and impaired action on rat insulin secreting cells. Diabetologia, 1998, 41, 1187-1193.	6.3	34

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91	Amino terminal glycation of gastric inhibitory polypeptide enhances its insulinotropic action on clonal pancreatic B-cells. Biochimica Et Biophysica Acta - General Subjects, 1998, 1425, 319-327.	2.4	36
92	12 Glycated IAPP shows a reduced inhibitory action on insulin secretion. Biochemical Society Transactions, 1998, 26, S6-S6.	3.4	3
93	Pancreatic B-cell dysfunction and glucose toxicity in non-insulin-dependent diabetes. Proceedings of the Nutrition Society, 1997, 56, 243-262.	1.0	27
94	Glycation of insulin in a cultured insulin-secreting cell line. Biochemical Society Transactions, 1997, 25, 128S-128S.	3.4	1
95	Effects of Non-Glycated and Glycated Glucagon-Like Peptide-1(7-36) Amide on Glucose Metabolism in Isolated Mouse Abdominal Muscle. Peptides, 1997, 18, 1327-1333.	2.4	35
96	Glycation of insulin results in reduced biological activity in mice. Acta Diabetologica, 1997, 34, 265-270.	2.5	48
97	Effect of glucose and amino acids on insulin-secretion from a novel pancreatic B-cell line produced by electrofusion. Biochemical Society Transactions, 1994, 22, 237S-237S.	3.4	0
98	Studies of the effect of glycation of insulin on glucose metabolism in isolated mouse diaphragm muscle. Biochemical Society Transactions, 1994, 22, 238S-238S.	3.4	1
99	Characterization of the glycation of human insulin by reversed-phase HPLC. Biochemical Society Transactions, 1994, 22, 239S-239S.	3.4	0