

Peter Flatt

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547
papers

15,067
citations

58
h-index

88
g-index

560
ext. papers

16,615
ext. citations

4.8
avg. IF

6.68
L-index

#	Paper	IF	Citations
547	Glucagon-like peptide 1 (GLP-1). <i>Molecular Metabolism</i> , 2019 , 30, 72-130	8.8	364
546	Abnormal plasma glucose and insulin responses in heterozygous lean (ob/+) mice. <i>Diabetologia</i> , 1981 , 20, 573-7	10.3	318
545	Characterization of a novel glucose-responsive insulin-secreting cell line, BRIN-BD11, produced by electrofusion. <i>Diabetes</i> , 1996 , 45, 1132-40	0.9	291
544	Traditional plant treatments for diabetes. Studies in normal and streptozotocin diabetic mice. <i>Diabetologia</i> , 1990 , 33, 462-4	10.3	283
543	GIP receptor antagonism reverses obesity, insulin resistance, and associated metabolic disturbances induced in mice by prolonged consumption of high-fat diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1746-55	6	180
542	PKC-dependent stimulation of exocytosis by sulfonylureas in pancreatic beta cells. <i>Science</i> , 1996 , 271, 813-5	33.3	176
541	Soluble dietary fibre fraction of <i>Trigonella foenum-graecum</i> (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. <i>British Journal of Nutrition</i> , 2007 , 97, 514-21	3.6	175
540	Dipeptidyl peptidase IV (DPP IV) inhibitors: A newly emerging drug class for the treatment of type 2 diabetes. <i>Diabetes and Vascular Disease Research</i> , 2006 , 3, 159-65	3.3	148
539	Insulin-releasing and insulin-like activity of the traditional anti-diabetic plant <i>Coriandrum sativum</i> (coriander). <i>British Journal of Nutrition</i> , 1999 , 81, 203-9	3.6	141
538	Chemical ablation of gastric inhibitory polypeptide receptor action by daily (Pro3)GIP administration improves glucose tolerance and ameliorates insulin resistance and abnormalities of islet structure in obesity-related diabetes. <i>Diabetes</i> , 2005 , 54, 2436-46	0.9	140
537	Potential therapeutic applications of multifunctional host-defense peptides from frog skin as anti-cancer, anti-viral, immunomodulatory, and anti-diabetic agents. <i>Peptides</i> , 2014 , 57, 67-77	3.8	127
536	Inhibition of dipeptidyl peptidase IV activity by oral metformin in Type 2 diabetes. <i>Diabetic Medicine</i> , 2005 , 22, 654-7	3.5	121
535	Four weeks administration of Liraglutide improves memory and learning as well as glycaemic control in mice with high fat dietary-induced obesity and insulin resistance. <i>Diabetes, Obesity and Metabolism</i> , 2010 , 12, 891-9	6.7	116
534	Chemical gastric inhibitory polypeptide receptor antagonism protects against obesity, insulin resistance, glucose intolerance and associated disturbances in mice fed high-fat and cafeteria diets. <i>Diabetologia</i> , 2007 , 50, 1752-62	10.3	110
533	Evidence for beneficial effects of compromised gastric inhibitory polypeptide action in obesity-related diabetes and possible therapeutic implications. <i>Diabetologia</i> , 2009 , 52, 1724-31	10.3	107
532	Development and functional characterization of insulin-releasing human pancreatic beta cell lines produced by electrofusion. <i>Journal of Biological Chemistry</i> , 2011 , 286, 21982-92	5.4	104
531	Effects of the novel (Pro3)GIP antagonist and exendin(9-39)amide on GIP- and GLP-1-induced cyclic AMP generation, insulin secretion and postprandial insulin release in obese diabetic (ob/ob) mice: evidence that GIP is the major physiological incretin. <i>Diabetologia</i> , 2003 , 46, 222-30	10.3	103

530	A nuclear magnetic resonance-based demonstration of substantial oxidative L-alanine metabolism and L-alanine-enhanced glucose metabolism in a clonal pancreatic beta-cell line: metabolism of L-alanine is important to the regulation of insulin secretion. <i>Diabetes</i> , 2002 , 51, 1714-21	0.9	102
529	Structurally modified analogues of glucagon-like peptide-1 (GLP-1) and glucose-dependent insulinotropic polypeptide (GIP) as future antidiabetic agents. <i>Current Pharmaceutical Design</i> , 2004 , 10, 3651-62	3.3	97
528	Sitagliptin, a dipeptidyl peptidase-4 inhibitor, improves recognition memory, oxidative stress and hippocampal neurogenesis and upregulates key genes involved in cognitive decline. <i>Diabetes, Obesity and Metabolism</i> , 2015 , 17, 403-13	6.7	93
527	A novel glucagon-like peptide-1 (GLP-1)/glucagon hybrid peptide with triple-acting agonist activity at glucose-dependent insulinotropic polypeptide, GLP-1, and glucagon receptors and therapeutic potential in high fat-fed mice. <i>Journal of Biological Chemistry</i> , 2013 , 288, 35581-91	5.4	93
526	Abnormalities of GIP in spontaneous syndromes of obesity and diabetes in mice. <i>Diabetes</i> , 1983 , 32, 433-59	5.9	93
525	Characterization of the cellular and metabolic effects of a novel enzyme-resistant antagonist of glucose-dependent insulinotropic polypeptide. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 290, 1420-6	3.4	92
524	The traditional plant treatment, <i>Sambucus nigra</i> (elder), exhibits insulin-like and insulin-releasing actions in vitro. <i>Journal of Nutrition</i> , 2000 , 130, 15-20	4.1	92
523	Immunoreactive gastric inhibitory polypeptide and K cell hyperplasia in obese hyperglycaemic (ob/ob) mice fed high fat and high carbohydrate cafeteria diets. <i>European Journal of Endocrinology</i> , 1986 , 112, 224-9	6.5	91
522	Administration of an acylated GLP-1 and GIP preparation provides added beneficial glucose-lowering and insulinotropic actions over single incretins in mice with Type2 diabetes and obesity. <i>Clinical Science</i> , 2011 , 121, 107-17	6.5	90
521	Inhibition of dipeptidyl peptidase-IV activity by metformin enhances the antidiabetic effects of glucagon-like peptide-1. <i>European Journal of Pharmacology</i> , 2006 , 547, 192-9	5.3	89
520	Early administration of the glucose-dependent insulinotropic polypeptide receptor antagonist (Pro3)GIP prevents the development of diabetes and related metabolic abnormalities associated with genetically inherited obesity in ob/ob mice. <i>Diabetologia</i> , 2007 , 50, 1532-40	10.3	88
519	Glucose-dependent insulinotropic polypeptide (GIP): anti-diabetic and anti-obesity potential?. <i>Neuropeptides</i> , 2003 , 37, 253-63	3.3	88
518	Insulin-releasing and insulin-like activity of <i>Agaricus campestris</i> (mushroom). <i>Journal of Endocrinology</i> , 1998 , 157, 259-66	4.7	87
517	Incretin hormone mimetics and analogues in diabetes therapeutics. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2007 , 21, 497-516	6.5	86
516	Mechanisms of amino acid-induced insulin secretion from the glucose-responsive BRIN-BD11 pancreatic B-cell line. <i>Journal of Endocrinology</i> , 1996 , 151, 349-57	4.7	85
515	Evidence that the major degradation product of glucose-dependent insulinotropic polypeptide, GIP(3-42), is a GIP receptor antagonist in vivo. <i>Journal of Endocrinology</i> , 2002 , 175, 525-33	4.7	83
514	Demonstration of glycated insulin in human diabetic plasma and decreased biological activity assessed by euglycemic-hyperinsulinemic clamp technique in humans. <i>Diabetes</i> , 2003 , 52, 492-8	0.9	82
513	<i>Ocimum sanctum</i> leaf extracts stimulate insulin secretion from perfused pancreas, isolated islets and clonal pancreatic beta-cells. <i>Journal of Endocrinology</i> , 2006 , 189, 127-36	4.7	81

512	Glucose-dependent insulintropic polypeptide analogues and their therapeutic potential for the treatment of obesity-diabetes. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 308, 207-13	3.4	81
511	Induction of cytochrome P450III and P450IV family proteins in streptozotocin-induced diabetes. <i>Biochemical Journal</i> , 1990 , 268, 765-9	3.8	81
510	Glucose-dependent insulintropic polypeptide (GIP) receptor deletion leads to reduced bone strength and quality. <i>Bone</i> , 2013 , 56, 337-42	4.7	78
509	Direct and indirect effects of obestatin peptides on food intake and the regulation of glucose homeostasis and insulin secretion in mice. <i>Peptides</i> , 2007 , 28, 981-7	3.8	75
508	Actions of exendin-4 therapy on cognitive function and hippocampal synaptic plasticity in mice fed a high-fat diet. <i>International Journal of Obesity</i> , 2010 , 34, 1341-4	5.5	74
507	Therapeutic potential for GIP receptor agonists and antagonists. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2009 , 23, 499-512	6.5	74
506	Development of glucose intolerance and impaired plasma insulin response to glucose in obese hyperglycaemic (ob/ob) mice. <i>Hormone and Metabolic Research</i> , 1981 , 13, 556-60	3.1	70
505	Antihyperglycemic actions of Eucalyptus globulus (Eucalyptus) are associated with pancreatic and extra-pancreatic effects in mice. <i>Journal of Nutrition</i> , 1998 , 128, 2319-23	4.1	69
504	Glycation of insulin in the islets of Langerhans of normal and diabetic animals. <i>Diabetes</i> , 1996 , 45, 1489-96	6.9	69
503	Optimal bone mechanical and material properties require a functional glucagon-like peptide-1 receptor. <i>Journal of Endocrinology</i> , 2013 , 219, 59-68	4.7	68
502	L-arginine is essential for pancreatic β cell functional integrity, metabolism and defense from inflammatory challenge. <i>Journal of Endocrinology</i> , 2011 , 211, 87-97	4.7	67
501	Pancreatic and extra-pancreatic effects of the traditional anti-diabetic plant, Medicago sativa (lucerne). <i>British Journal of Nutrition</i> , 1997 , 78, 325-34	3.6	67
500	Glycaemic effects of traditional European plant treatments for diabetes. Studies in normal and streptozotocin diabetic mice. <i>Diabetes Research</i> , 1989 , 10, 69-73		67
499	Characterization of a novel glucose-responsive insulin-secreting cell line, BRIN-BD11, produced by electrofusion. <i>Diabetes</i> , 1996 , 45, 1132-1140	0.9	67
498	Nature's own pharmacy: the diabetes perspective. <i>Proceedings of the Nutrition Society</i> , 1997 , 56, 507-17	2.9	66
497	Traditional dietary adjuncts for the treatment of diabetes mellitus. <i>Proceedings of the Nutrition Society</i> , 1991 , 50, 641-51	2.9	66
496	Glucose-dependent insulintropic polypeptide receptor deficiency leads to modifications of trabecular bone volume and quality in mice. <i>Bone</i> , 2013 , 53, 221-30	4.7	64
495	Identification of the site of glycation of human insulin. <i>Peptides</i> , 1996 , 17, 1323-30	3.8	63

494	Dorothy Hodgkin Lecture 2008. Gastric inhibitory polypeptide (GIP) revisited: a new therapeutic target for obesity-diabetes?. <i>Diabetic Medicine</i> , 2008 , 25, 759-64	3.5	62
493	NH2-terminally modified gastric inhibitory polypeptide exhibits amino-peptidase resistance and enhanced antihyperglycemic activity. <i>Diabetes</i> , 1999 , 48, 758-65	0.9	62
492	Dipeptidyl peptidase IV (DPP IV) and related molecules in type 2 diabetes. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 3648-60	2.8	60
491	A novel GIP-oxytomodulin hybrid peptide acting through GIP, glucagon and GLP-1 receptors exhibits weight reducing and anti-diabetic properties. <i>Biochemical Pharmacology</i> , 2013 , 85, 1655-62	6	59
490	Role of endogenous GLP-1 and GIP in beta cell compensatory responses to insulin resistance and cellular stress. <i>PLoS ONE</i> , 2014 , 9, e101005	3.7	59
489	Pancreatic cancer cells selectively stimulate islet beta cells to secrete amylin. <i>Gastroenterology</i> , 1998 , 114, 130-8	13.3	58
488	A comparative study of amino acid consumption by rat islet cells and the clonal beta-cell line BRIN-BD11 - the functional significance of L-alanine. <i>Journal of Endocrinology</i> , 2003 , 179, 447-54	4.7	58
487	Plasma immunoreactive gastric inhibitory polypeptide in obese hyperglycaemic (ob/ob) mice. <i>Journal of Endocrinology</i> , 1984 , 101, 249-56	4.7	58
486	Liraglutide improves hippocampal synaptic plasticity associated with increased expression of Mash1 in ob/ob mice. <i>International Journal of Obesity</i> , 2013 , 37, 678-84	5.5	57
485	Prolonged GIP receptor activation improves cognitive function, hippocampal synaptic plasticity and glucose homeostasis in high-fat fed mice. <i>European Journal of Pharmacology</i> , 2011 , 650, 688-93	5.3	57
484	Improved stability, insulin-releasing activity and antidiabetic potential of two novel N-terminal analogues of gastric inhibitory polypeptide: N-acetyl-GIP and pGlu-GIP. <i>Diabetologia</i> , 2002 , 45, 1281-91	10.3	57
483	A Novel CCK-8/GLP-1 Hybrid Peptide Exhibiting Prominent Insulinotropic, Glucose-Lowering, and Satiety Actions With Significant Therapeutic Potential in High-Fat-Fed Mice. <i>Diabetes</i> , 2015 , 64, 2996-3009	0.9	56
482	Evaluation of the insulin releasing and antihyperglycaemic activities of GPR55 lipid agonists using clonal beta-cells, isolated pancreatic islets and mice. <i>British Journal of Pharmacology</i> , 2013 , 170, 978-90	8.6	56
481	Role of islet structure and cellular interactions in the control of insulin secretion. <i>Islets</i> , 2011 , 3, 41-7	2	56
480	Skin secretions of <i>Rana saharica</i> frogs reveal antimicrobial peptides esculentins-1 and -1B and brevinins-1E and -2EC with novel insulin releasing activity. <i>Journal of Endocrinology</i> , 2006 , 188, 1-9	4.7	55
479	Gastric inhibitory polypeptide and effects of glycation on glucose transport and metabolism in isolated mouse abdominal muscle. <i>Journal of Endocrinology</i> , 1998 , 156, 237-43	4.7	55
478	Comparison of the independent and combined effects of sub-chronic therapy with metformin and a stable GLP-1 receptor agonist on cognitive function, hippocampal synaptic plasticity and metabolic control in high-fat fed mice. <i>Neuropharmacology</i> , 2014 , 86, 22-30	5.5	54
477	Arachidonic acid, palmitic acid and glucose are important for the modulation of clonal pancreatic beta-cell insulin secretion, growth and functional integrity. <i>Clinical Science</i> , 2004 , 106, 191-9	6.5	54

476	Engineering cultured insulin-secreting pancreatic B-cell lines. <i>Journal of Molecular Medicine</i> , 1999 , 77, 235-43	5.5	54
475	A DPP-IV-resistant triple-acting agonist of GIP, GLP-1 and glucagon receptors with potent glucose-lowering and insulinotropic actions in high-fat-fed mice. <i>Diabetologia</i> , 2013 , 56, 1417-24	10.3	52
474	L-Alanine induces changes in metabolic and signal transduction gene expression in a clonal rat pancreatic beta-cell line and protects from pro-inflammatory cytokine-induced apoptosis. <i>Clinical Science</i> , 2005 , 109, 447-55	6.5	52
473	Islet distribution of Peptide YY and its regulatory role in primary mouse islets and immortalised rodent and human beta-cell function and survival. <i>Molecular and Cellular Endocrinology</i> , 2016 , 436, 102-114	13.4	52
472	¹³ C NMR analysis reveals a link between L-glutamine metabolism, D-glucose metabolism and gamma-glutamyl cycle activity in a clonal pancreatic beta-cell line. <i>Diabetologia</i> , 2003 , 46, 1512-21	10.3	51
471	Stable Incretin Mimetics Counter Rapid Deterioration of Bone Quality in Type 1 Diabetes Mellitus. <i>Journal of Cellular Physiology</i> , 2015 , 230, 3009-18	7	50
470	Pro-inflammatory cytokines increase glucose, alanine and triacylglycerol utilization but inhibit insulin secretion in a clonal pancreatic beta-cell line. <i>Journal of Endocrinology</i> , 2007 , 195, 113-23	4.7	50
469	Aqueous extracts of husks of <i>Plantago ovata</i> reduce hyperglycaemia in type 1 and type 2 diabetes by inhibition of intestinal glucose absorption. <i>British Journal of Nutrition</i> , 2006 , 96, 131-7	3.6	50
468	A novel, long-acting agonist of glucose-dependent insulinotropic polypeptide suitable for once-daily administration in type 2 diabetes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 314, 1187-94	4.7	50
467	Comparison of sub-chronic metabolic effects of stable forms of naturally occurring GIP(1-30) and GIP(1-42) in high-fat fed mice. <i>Journal of Endocrinology</i> , 2011 , 208, 265-71	4.7	48
466	Actions of the traditional anti-diabetic plant, <i>Agrimony eupatoria</i> (agrimony): effects on hyperglycaemia, cellular glucose metabolism and insulin secretion. <i>British Journal of Nutrition</i> , 1998 , 80, 109-14	3.6	48
465	(D-Ser ²)Oxm[mPEG-PAL]: a novel chemically modified analogue of oxyntomodulin with antihyperglycaemic, insulinotropic and anorexigenic actions. <i>Biochemical Pharmacology</i> , 2010 , 80, 1727-35	6.5	47
464	Improved glycaemic control in obese diabetic ob/ob mice using N-terminally modified gastric inhibitory polypeptide. <i>Journal of Endocrinology</i> , 2000 , 165, 639-48	4.7	47
463	Specific binding of the C-peptide of proinsulin to cultured B-cells from a transplantable rat islet cell tumor. <i>Bioscience Reports</i> , 1986 , 6, 193-9	4.1	47
462	N-terminal His(7)-modification of glucagon-like peptide-1(7-36) amide generates dipeptidyl peptidase IV-stable analogues with potent antihyperglycaemic activity. <i>Journal of Endocrinology</i> , 2004 , 180, 379-88	4.7	46
461	Evaluation of traditional plant treatments for diabetes: studies in streptozotocin diabetic mice. <i>Acta Diabetologica Latina</i> , 1989 , 26, 51-5		46
460	Beneficial effects of the novel cholecystokinin agonist (pGlu-Gln)-CCK-8 in mouse models of obesity/diabetes. <i>Diabetologia</i> , 2012 , 55, 2747-2758	10.3	45
459	Novel glucagon-like peptide-1 (GLP-1) analog (Val ⁸)GLP-1 results in significant improvements of glucose tolerance and pancreatic beta-cell function after 3-week daily administration in obese diabetic (ob/ob) mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 318, 914-21	4.7	45

458	Therapeutic potential of the original incretin hormone glucose-dependent insulinotropic polypeptide: diabetes, obesity, osteoporosis and Alzheimer's disease?. <i>Expert Opinion on Investigational Drugs</i> , 2010 , 19, 1039-48	5.9	44
457	Decreased dipeptidyl peptidase-IV activity and glucagon-like peptide-1(7-36)amide degradation in type 2 diabetic subjects. <i>Diabetes Research and Clinical Practice</i> , 2008 , 79, 79-85	7.4	44
456	Insulin secretory actions of extracts of <i>Asparagus racemosus</i> root in perfused pancreas, isolated islets and clonal pancreatic beta-cells. <i>Journal of Endocrinology</i> , 2007 , 192, 159-68	4.7	44
455	Impaired ability of glycated insulin to regulate plasma glucose and stimulate glucose transport and metabolism in mouse abdominal muscle. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000 , 1523, 128-34	4	44
454	Evaluation of the insulin-releasing and glucose-lowering effects of GPR120 activation in pancreatic β cells. <i>Diabetes, Obesity and Metabolism</i> , 2014 , 16, 1128-39	6.7	43
453	New perspectives on exploitation of incretin peptides for the treatment of diabetes and related disorders. <i>World Journal of Diabetes</i> , 2015 , 6, 1285-95	4.7	43
452	Incretin receptor null mice reveal key role of GLP-1 but not GIP in pancreatic beta cell adaptation to pregnancy. <i>PLoS ONE</i> , 2014 , 9, e96863	3.7	43
451	Glycation of insulin results in reduced biological activity in mice. <i>Acta Diabetologica</i> , 1997 , 34, 265-70	3.9	43
450	Physiological and pharmacological regulation of insulin release: insights offered through exploitation of insulin-secreting cell lines. <i>Diabetes, Obesity and Metabolism</i> , 1999 , 1, 137-50	6.7	43
449	Metabolic and neuroprotective effects of dapagliflozin and liraglutide in diabetic mice. <i>Journal of Endocrinology</i> , 2017 , 234, 255-267	4.7	42
448	Evaluation of the degradation and metabolic effects of the gut peptide xenin on insulin secretion, glycaemic control and satiety. <i>Journal of Endocrinology</i> , 2010 , 207, 87-93	4.7	42
447	Characterization of insulin glycation in insulin-secreting cells maintained in tissue culture. <i>Journal of Endocrinology</i> , 1997 , 152, 59-67	4.7	42
446	Glutamine regulates expression of key transcription factor, signal transduction, metabolic gene, and protein expression in a clonal pancreatic beta-cell line. <i>Journal of Endocrinology</i> , 2006 , 190, 719-27	4.7	42
445	Effects of short-term chemical ablation of the GIP receptor on insulin secretion, islet morphology and glucose homeostasis in mice. <i>Biological Chemistry</i> , 2004 , 385, 845-52	4.5	42
444	Comparative effects of GLP-1 and GIP on cAMP production, insulin secretion, and in vivo antidiabetic actions following substitution of Ala8/Ala2 with 2-aminobutyric acid. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 428, 136-43	4.1	42
443	Degradation, insulin secretion, glucose-lowering and GIP additive actions of a palmitate-derivatised analogue of xenin-25. <i>Biochemical Pharmacology</i> , 2012 , 84, 312-9	6	41
442	A potent, non-toxic insulin-releasing peptide isolated from an extract of the skin of the Asian frog, <i>Hylarana guntheri</i> (Anura:Ranidae). <i>Regulatory Peptides</i> , 2008 , 151, 153-9		41
441	Detrimental actions of metabolic syndrome risk factor, homocysteine, on pancreatic beta-cell glucose metabolism and insulin secretion. <i>Journal of Endocrinology</i> , 2006 , 189, 301-10	4.7	41

440	Vitamin C supplementation decreases insulin glycation and improves glucose homeostasis in obese hyperglycemic (ob/ob) mice. <i>Metabolism: Clinical and Experimental</i> , 2002 , 51, 514-7	12.7	41
439	Nutrient regulation of the enteroinsular axis and insulin secretion. <i>Nutrition Research Reviews</i> , 1988 , 1, 79-97	7	41
438	Physiological concentrations of interleukin-6 directly promote insulin secretion, signal transduction, nitric oxide release, and redox status in a clonal pancreatic β cell line and mouse islets. <i>Journal of Endocrinology</i> , 2012 , 214, 301-11	4.7	40
437	Inhibition of dipeptidylpeptidase IV activity as a therapy of type 2 diabetes. <i>Expert Opinion on Emerging Drugs</i> , 2006 , 11, 525-39	3.7	40
436	GIP(Lys16PAL) and GIP(Lys37PAL): novel long-acting acylated analogues of glucose-dependent insulinotropic polypeptide with improved antidiabetic potential. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 1047-54	8.3	40
435	Recent advances in antidiabetic drug therapies targeting the enteroinsular axis. <i>Current Drug Metabolism</i> , 2009 , 10, 125-37	3.5	39
434	Induction of hepatic microsomal P450 I and IIB proteins by hyperketonaemia. <i>Biochemical Pharmacology</i> , 1990 , 40, 393-7	6	39
433	Effective surgical treatment of obesity may be mediated by ablation of the lipogenic gut hormone gastric inhibitory polypeptide (GIP): evidence and clinical opportunity for development of new obesity-diabetes drugs?. <i>Diabetes and Vascular Disease Research</i> , 2007 , 4, 151-3	3.3	38
432	Configuration of electrofusion-derived human insulin-secreting cell line as pseudoislets enhances functionality and therapeutic utility. <i>Journal of Endocrinology</i> , 2012 , 214, 257-65	4.7	37
431	A novel acylated form of (d-Ala(2))GIP with improved antidiabetic potential, lacking effect on body fat stores. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3407-13	4	37
430	Fatty acid derivatised analogues of glucose-dependent insulinotropic polypeptide with improved antihyperglycaemic and insulinotropic properties. <i>Biochemical Pharmacology</i> , 2009 , 78, 1008-16	6	37
429	Cytochrome P-450-dependent mixed-function oxidase and glutathione S-transferase activities in spontaneous obesity-diabetes. <i>Biochemical Pharmacology</i> , 1992 , 43, 1868-71	6	37
428	Sex differences in the diabetes-induced modulation of rat hepatic cytochrome P450 proteins. <i>Biochemical Pharmacology</i> , 1993 , 45, 313-9	6	37
427	Emerging therapeutic potential for peptide YY for obesity-diabetes. <i>Peptides</i> , 2018 , 100, 269-274	3.8	36
426	Antagonism of gastric inhibitory polypeptide (GIP) by palmitoylation of GIP analogues with N- and C-terminal modifications improves obesity and metabolic control in high fat fed mice. <i>Molecular and Cellular Endocrinology</i> , 2015 , 401, 120-9	4.4	36
425	Actions of incretin metabolites on locomotor activity, cognitive function and in vivo hippocampal synaptic plasticity in high fat fed mice. <i>Peptides</i> , 2012 , 35, 1-8	3.8	36
424	Cellular responses of novel human pancreatic β cell line, 1.1B4 to hyperglycemia. <i>Islets</i> , 2013 , 5, 170-7	2	36
423	Emerging applications of metabolomic and genomic profiling in diabetic clinical medicine. <i>Diabetes Care</i> , 2011 , 34, 2624-30	14.6	36

4 ²²	Reduced hypothalamic neurotensin concentrations in the genetically obese diabetic (ob/ob) mouse: possible relationship to obesity. <i>Metabolism: Clinical and Experimental</i> , 1991 , 40, 1112-6	12.7	36
4 ²¹	Evaluation of the antidiabetic activity of DPP IV resistant N-terminally modified versus mid-chain acylated analogues of glucose-dependent insulinotropic polypeptide. <i>Biochemical Pharmacology</i> , 2006 , 72, 719-28	6	35
4 ²⁰	Degradation, insulin secretion, and antihyperglycemic actions of two palmitate-derivitized N-terminal pyroglutamyl analogues of glucose-dependent insulinotropic polypeptide. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 1244-50	8.3	35
4 ¹⁹	N-terminally modified glucagon-like peptide-1(7-36) amide exhibits resistance to enzymatic degradation while maintaining its antihyperglycaemic activity in vivo. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000 , 1474, 13-22	4	35
4 ¹⁸	Defective expression of cytochrome P450 proteins in the liver of the genetically obese Zucker rat. <i>European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section</i> , 1995 , 293, 385-93		35
4 ¹⁷	Double incretin receptor knock-out (DIRKO) mice present with alterations of trabecular and cortical micromorphology and bone strength. <i>Osteoporosis International</i> , 2015 , 26, 209-18	5.3	34
4 ¹⁶	Active immunisation against gastric inhibitory polypeptide (GIP) improves blood glucose control in an animal model of obesity-diabetes. <i>Biological Chemistry</i> , 2009 , 390, 75-80	4.5	34
4 ¹⁵	Insulin-releasing properties of the frog skin peptide pseudin-2 and its [Lys18]-substituted analogue. <i>Biological Chemistry</i> , 2008 , 389, 143-8	4.5	34
4 ¹⁴	Degradation, receptor binding, insulin secreting and antihyperglycaemic actions of palmitate-derivatised native and Ala8-substituted GLP-1 analogues. <i>Biological Chemistry</i> , 2004 , 385, 169-77	4.7	34
4 ¹³	Time-correlation between membrane depolarization and intracellular calcium in insulin secreting BRIN-BD11 cells: studies using FLIPR. <i>Cell Calcium</i> , 2004 , 36, 43-50	4	34
4 ¹²	Improved biological activity of Gly2- and Ser2-substituted analogues of glucose-dependent insulinotropic polypeptide. <i>Journal of Endocrinology</i> , 2003 , 176, 133-41	4.7	34
4 ¹¹	Na ⁺ cotransport by metabolizable and nonmetabolizable amino acids stimulates a glucose-regulated insulin-secretory response. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 249, 299-303	3.4	34
4 ¹⁰	Comparison of insulin release from MIN6 pseudoislets and pancreatic islets of Langerhans reveals importance of homotypic cell interactions. <i>Pancreas</i> , 2010 , 39, 1016-23	2.6	33
4 ⁰⁹	(Pro(3))GIP[mPEG]: novel, long-acting, mPEGylated antagonist of gastric inhibitory polypeptide for obesity-diabetes (diabesity) therapy. <i>British Journal of Pharmacology</i> , 2008 , 155, 690-701	8.6	33
4 ⁰⁸	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. <i>Peptides</i> , 2008 , 29, 2136-43	3.8	33
4 ⁰⁷	Brevinin-1 and multiple insulin-releasing peptides in the skin of the frog <i>Rana palustris</i> . <i>Journal of Endocrinology</i> , 2004 , 181, 347-54	4.7	33
4 ⁰⁶	Lys9 for Glu9 substitution in glucagon-like peptide-1(7-36)amide confers dipeptidylpeptidase IV resistance with cellular and metabolic actions similar to those of established antagonists glucagon-like peptide-1(9-36)amide and exendin (9-39). <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 252-9	12.7	33
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