Frank Reimann

List of Publications by Year
in descending order

237 papers	26,280 citations	5896 81 h-index	7160 153 g-index
256 all docs	256 docs citations	256 times ranked	23774 citing authors

#	Article	IF	Citations
1	Gut peptide regulation of food intake â€“ evidence for the modulation of hedonic feeding. Journal of Physiology, 2022, 600, 1053-1078.	2.9	15
2	Nutrient sensing in the gut and the regulation of appetite. Current Opinion in Endocrine and Metabolic Research, 2022, 23, 100318.	1.4	1
3	GIPR Is Predominantly Localized to Nonadipocyte Cell Types Within White Adipose Tissue. Diabetes, 2022, 71, 1115-1127.	0.6	20
4	Acetyl-CoA-carboxylase 1 (ACC1) plays a critical role in glucagon secretion. Communications Biology, 2022, 5, 238.	4.4	8
5	The Enteroendocrine System in Obesity. Handbook of Experimental Pharmacology, 2022, , 109-129.	1.8	6
6	Targeting the Enteroendocrine System for Treatment of Obesity. Handbook of Experimental Pharmacology, 2022, , 1.	1.8	0
7	A comparative transcriptomic analysis of glucagon-like peptide-1 receptor- and glucose-dependent insulinotropic polypeptide receptor-expressing cells in the hypothalamus. Appetite, 2022, 174, 106022.	3.7	11
8	Glucose-Dependent Insulinotropic Polypeptideâ€"A Postprandial Hormone with Unharnessed Metabolic Potential. Annual Review of Nutrition, 2022, 42, 21-44.	10.1	9
9	Behavioural and neurochemical mechanisms underpinning the feeding-suppressive effect of GLP-1/CCK combinatorial therapy. Molecular Metabolism, 2021, 43, 101118.	6.5	8
10	Expected values for gastrointestinal and pancreatic hormone concentrations in healthy volunteers in the fasting and postprandial state. Annals of Clinical Biochemistry, 2021, 58, 108-116.	1.6	7
11	Chemosensing in enteroendocrine cells: mechanisms and therapeutic opportunities. Current Opinion in Endocrinology, Diabetes and Obesity, 2021, 28, 222-231.	2.3	7
12	A cross-platform approach identifies genetic regulators of human metabolism and health. Nature Genetics, 2021, 53, 54-64.	21.4	117
13	Metabolic Messengers: glucagon-like peptide 1. Nature Metabolism, 2021, 3, 142-148.	11.9	73
14	Positive Effects of NPY1 Receptor Activation on Islet Structure Are Driven by Pancreatic Alpha- and Beta-Cell Transdifferentiation in Diabetic Mice. Frontiers in Endocrinology, 2021, 12, 633625.	3.5	12
15	Nutrient-Induced Cellular Mechanisms of Gut Hormone Secretion. Nutrients, 2021, 13, 883.	4.1	39
16	Increased C-Peptide Immunoreactivity in Insulin Autoimmune Syndrome (Hirata Disease) Due to High Molecular Weight Proinsulin. Clinical Chemistry, 2021, 67, 854-862.	3.2	6
17	Glucagon-like peptide-1 (GLP-1) receptor activation dilates cerebral arterioles, increases cerebral blood flow, and mediates remote (pre)conditioning neuroprotection against ischaemic stroke. Basic Research in Cardiology, 2021, 116, 32.	5.9	32
18	Functionally distinct POMC-expressing neuron subpopulations in hypothalamus revealed by intersectional targeting. Nature Neuroscience, 2021, 24, 913-929.	14.8	64

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19	Accelerating cryoprotectant diffusion kinetics improves cryopreservation of pancreatic islets. Scientific Reports, 2021, 11, 10418.	3.3	8
20	GIPR Function in the Central Nervous System: Implications and Novel Perspectives for GIP-Based Therapies in Treating Metabolic Disorders. Diabetes, 2021, 70, 1938-1944.	0.6	17
21	Placental secretome characterization identifies candidates for pregnancy complications. Communications Biology, 2021, 4, 701.	4.4	18
22	Peptidomics of enteroendocrine cells and characterisation of potential effects of a novel preprogastrin derived-peptide on glucose tolerance in lean mice. Peptides, 2021, 140, 170532.	2.4	7
23	Peptidomics: A Review of Clinical Applications and Methodologies. Journal of Proteome Research, 2021, 20, 3782-3797.	3.7	40
24	Genetically Predicted Glucose-Dependent Insulinotropic Polypeptide (GIP) Levels and Cardiovascular Disease Risk Are Driven by Distinct Causal Variants in the <i>GIPR</i> Region. Diabetes, 2021, 70, 2706-2719.	0.6	12
25	L-Cell Expression of Melanocortin-4-Receptor Is Marginal in Most of the Small Intestine in Mice and Humans and Direct Stimulation of Small Intestinal Melanocortin-4-Receptors in Mice and Rats Does Not Affect GLP-1 Secretion. Frontiers in Endocrinology, 2021, 12, 690387.	3.5	2
26	The Human and Mouse Islet Peptidome: Effects of Obesity and Type 2 Diabetes, and Assessment of Intraislet Production of Glucagon-like Peptide-1. Journal of Proteome Research, 2021, 20, 4507-4517.	3.7	11
27	Murine neuronatin deficiency is associated with a hypervariable food intake and bimodal obesity. Scientific Reports, 2021, 11, 17571.	3.3	5
28	Inhibition of mitochondrial function by metformin increases glucose uptake, glycolysis and GDF-15 release from intestinal cells. Scientific Reports, 2021, 11, 2529.	3.3	52
29	Central and peripheral GLP-1 systems independently suppress eating. Nature Metabolism, 2021, 3, 258-273.	11.9	107
30	Stimulation of motilin secretion by bile, free fatty acids, and acidification in human duodenal organoids. Molecular Metabolism, 2021, 54, 101356.	6.5	10
31	Ghrelin Does Not Directly Stimulate Secretion of Glucagon-like Peptide-1. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 266-275.	3.6	8
32	The glucose-dependent insulinotropic polypeptide signaling axis in the central nervous system. Peptides, 2020, 125, 170194.	2.4	21
33	The core clock gene, Bmal1, and its downstream target, the SNARE regulatory protein secretagogin, are necessary for circadian secretion of glucagon-like peptide-1. Molecular Metabolism, 2020, 31, 124-137.	6.5	34
34	Cellular mechanisms governing glucose-dependent insulinotropic polypeptide secretion. Peptides, 2020, 125, 170206.	2.4	18
35	Effects of long-acting GIP, xenin and oxyntomodulin peptide analogues on alpha-cell transdifferentiation in insulin-deficient diabetic GluCreERT2;ROSA26-eYFP mice. Peptides, 2020, 125, 170205.	2.4	24
36	Antidiabetic drug therapy alleviates type 1 diabetes in mice by promoting pancreatic Î±-cell transdifferentiation. Biochemical Pharmacology, 2020, 182, 114216.	4.4	14

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37	SGLT2 is not expressed in pancreatic Î±- and Î²-cells, and its inhibition does not directly affect glucagon and insulin secretion in rodents and humans. Molecular Metabolism, 2020, 42, 101071.	6.5	26
38	Ligand-Specific Factors Influencing GLP-1 Receptor Post-Endocytic Trafficking and Degradation in Pancreatic Beta Cells. International Journal of Molecular Sciences, 2020, 21, 8404.	4.1	28
39	Human Labor Pain Is Influenced by the Voltage-Gated Potassium Channel KV6.4 Subunit. Cell Reports, 2020, 32, 107941.	6.4	18
40	Organoid Sample Preparation and Extraction for LC-MS Peptidomics. STAR Protocols, 2020, 1, 100164.	1.2	5
41	Suppression of enteroendocrine cell glucagon-like peptide (GLP)-1 release by fat-induced small intestinal ketogenesis: a mechanism targeted by Roux-en-Y gastric bypass surgery but not by preoperative very-low-calorie diet. Gut, 2020, 69, 1423-1431.	12.1	19
42	Mass spectrometric characterisation of the circulating peptidome following oral glucose ingestion in control and gastrectomised patients. Rapid Communications in Mass Spectrometry, 2020, 34, e8849.	1.5	11
43	Essential Role of Syntaxin-Binding Protein-1 in the Regulation of Glucagon-Like Peptide-1 Secretion. Endocrinology, 2020, 161, .	2.8	25
44	Impact of global PTP1B deficiency on the gut barrier permeability during NASH in mice. Molecular Metabolism, 2020, 35, 100954.	6.5	11
45	Labeling and Characterization of Human GLP-1-Secreting L-cells in Primary Ileal Organoid Culture. Cell Reports, 2020, 31, 107833.	6.4	42
46	Secretin release after Roux-en-Y gastric bypass reveals a population of glucose-sensitive S cells in distal small intestine. International Journal of Obesity, 2020, 44, 1859-1871.	3.4	25
47	L-Cell Differentiation Is Induced by Bile Acids Through GPBAR1 and Paracrine GLP-1 and Serotonin Signaling. Diabetes, 2020, 69, 614-623.	0.6	54
48	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	27.8	326
49	Somatostatin secretion by Na+-dependent Ca2+-induced Ca2+ release in pancreatic delta cells. Nature Metabolism, 2020, 2, 32-40.	11.9	26
50	Selective stimulation of colonic L cells improves metabolic outcomes in mice. Diabetologia, 2020, 63, 1396-1407.	6.3	45
51	Ileo-colonic delivery of conjugated bile acids improves glucose homeostasis via colonic GLP-1-producing enteroendocrine cells in human obesity and diabetes. EBioMedicine, 2020, 55, 102759.	6.1	43
52	PPG neurons in the nucleus of the solitary tract modulate heart rate but do not mediate GLP-1 receptor agonist-induced tachycardia in mice. Molecular Metabolism, 2020, 39, 101024.	6.5	20
53	Super-resolution microscopy compatible fluorescent probes reveal endogenous glucagon-like peptide-1 receptor distribution and dynamics. Nature Communications, 2020, 11, 467.	12.8	88
54	The cytokine GDF15 signals through a population of brainstem cholecystokinin neurons to mediate anorectic signalling. ELife, 2020, 9, .	6.0	46

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55	Glucose stimulates somatostatin secretion in pancreatic Î´-cells by cAMP-dependent intracellular Ca2+ release. Journal of General Physiology, 2019, 151, 1094-1115.	1.9	19
56	Glucose-Dependent Insulinotropic Polypeptide Receptor-Expressing Cells in the Hypothalamus Regulate Food Intake. Cell Metabolism, 2019, 30, 987-996.e6.	16.2	171
57	Abcc5 Knockout Mice Have Lower Fat Mass and Increased Levels of Circulating GLPâ€1. Obesity, 2019, 27, 1292-1304.	3.0	11
58	Synaptic Inputs to the Mouse Dorsal Vagal Complex and Its Resident Preproglucagon Neurons. Journal of Neuroscience, 2019, 39, 9767-9781.	3.6	30
59	Characterisation of proguanylin expressing cells in the intestine â€" evidence for constitutive luminal secretion. Scientific Reports, 2019, 9, 15574.	3.3	8
60	Single cell transcriptomic profiling of large intestinal enteroendocrine cells in mice â€" Identification of selective stimuli for insulin-like peptide-5 and glucagon-like peptide-1 co-expressing cells. Molecular Metabolism, 2019, 29, 158-169.	6.5	77
61	Paracrine crosstalk between intestinal L- and D-cells controls secretion of glucagon-like peptide-1 in mice. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E1081-E1093.	3.5	32
62	Diet-Induced Obese Mice and Leptin-Deficient Lepob/ob Mice Exhibit Increased Circulating GIP Levels Produced by Different Mechanisms. International Journal of Molecular Sciences, 2019, 20, 4448.	4.1	4
63	Glucagon-like peptide 1 (GLP-1). Molecular Metabolism, 2019, 30, 72-130.	6.5	850
64	Important Role of the GLP-1 Axis for Glucose Homeostasis after Bariatric Surgery. Cell Reports, 2019, 26, 1399-1408.e6.	6.4	121
65	Acipimox Acutely Increases GLP-1 Concentrations in Overweight Subjects and Hypopituitary Patients. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2581-2592.	3.6	7
66	Endogenous GLP-1 in lateral septum promotes satiety and suppresses motivation for food in mice. Physiology and Behavior, 2019, 206, 191-199.	2.1	37
67	No direct effect of SGLT2 activity on glucagon secretion. Diabetologia, 2019, 62, 1011-1023.	6.3	58
68	Adenosine triphosphate is co-secreted with glucagon-like peptide-1 to modulate intestinal enterocytes and afferent neurons. Nature Communications, 2019, 10, 1029.	12.8	26
69	Comparison of Human and Murine Enteroendocrine Cells by Transcriptomic and Peptidomic Profiling. Diabetes, 2019, 68, 1062-1072.	0.6	100
70	Function and mechanisms of enteroendocrine cells and gut hormones in metabolism. Nature Reviews Endocrinology, 2019, 15, 226-237.	9.6	350
71	Development and validation of an LC-MS/MS method for detection and quantification of in vivo derived metabolites of [Pyr1]apelin-13 in humans. Scientific Reports, 2019, 9, 19934.	3.3	14
72	A unique olfactory bulb microcircuit driven by neurons expressing the precursor to glucagon-like peptide 1. Scientific Reports, 2019, 9, 15542.	3.3	24

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73	The aromatic amino acid sensor GPR142 controls metabolism through balanced regulation of pancreatic and gut hormones. Molecular Metabolism, 2019, 19, 49-64.	6.5	43
74	GDF15 Provides an Endocrine Signal of Nutritional Stress in Mice and Humans. Cell Metabolism, 2019, 29, 707-718.e8.	16.2	286
75	Insulin inhibits glucagon release by SGLT2-induced stimulation of somatostatin secretion. Nature Communications, 2019, 10, 139.	12.8	117
76	PYY plays a key role in the resolution of diabetes following bariatric surgery in humans. EBioMedicine, 2019, 40, 67-76.	6.1	65
77	Immunosuppression overcomes insulin- and vector-specific immune responses that limit efficacy of AAV2/8-mediated insulin gene therapy in NOD mice. Gene Therapy, 2019, 26, 40-56.	4.5	8
78	Preproglucagon Neurons in the Nucleus of the Solitary Tract Are the Main Source of Brain GLP-1, Mediate Stress-Induced Hypophagia, and Limit Unusually Large Intakes of Food. Diabetes, 2019, 68, 21-33.	0.6	119
79	Hierarchical neural architecture underlying thirst regulation. Nature, 2018, 555, 204-209.	27.8	113
80	Targeted intestinal delivery of incretin secretagoguesâ€"towards new diabetes and obesity therapies. Peptides, 2018, 100, 68-74.	2.4	14
81	Rapid sensing of l -leucine by human and murine hypothalamic neurons: Neurochemical and mechanistic insights. Molecular Metabolism, 2018, 10, 14-27.	6.5	12
82	Microbial regulation of the L cell transcriptome. Scientific Reports, 2018, 8, 1207.	3.3	52
83	Mechanistic insights into the detection of free fatty and bile acids by ileal glucagon-like peptide-1 secreting cells. Molecular Metabolism, 2018, 7, 90-101.	6.5	46
84	SCFAs strongly stimulate PYY production in human enteroendocrine cells. Scientific Reports, 2018, 8, 74.	3.3	262
85	Gastrectomy with Roux-en-Y reconstruction as a lean model of bariatric surgery. Surgery for Obesity and Related Diseases, 2018, 14, 562-568.	1.2	49
86	Bile acids are important direct and indirect regulators of the secretion of appetite- and metabolism-regulating hormones from the gut and pancreas. Molecular Metabolism, 2018, 11, 84-95.	6.5	135
87	Enteroendocrine cells-sensory sentinels of the intestinal environment and orchestrators of mucosal immunity. Mucosal Immunology, 2018, 11, 3-20.	6.0	163
88	Development and characterisation of a novel glucagon like peptide-1 receptor antibody. Diabetologia, 2018, 61, 711-721.	6.3	22
89	Trophoblast organoids as a model for maternalâ€"fetal interactions during human placentation. Nature, 2018, 564, 263-267.	27.8	436
90	Butyrate Produced by Commensal Bacteria Down-Regulates Indolamine 2,3-Dioxygenase 1 (IDO-1) Expression via a Dual Mechanism in Human Intestinal Epithelial Cells. Frontiers in Immunology, 2018, 9, 2838.	4.8	74

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91	Assessment and Management of Anti-Insulin Autoantibodies in Varying Presentations of Insulin Autoimmune Syndrome. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 3845-3855.	3.6	24
92	Models and Tools for Studying Enteroendocrine Cells. Endocrinology, 2018, 159, 3874-3884.	2.8	28
93	Distribution and Stimulus Secretion Coupling of Enteroendocrine Cells along the Intestinal Tract. , 2018, 8, 1603-1638.		25
94	Quantitative mass spectrometry for human melanocortin peptides inÂvitro and inÂvivo suggests prominent roles for Î²-MSH and desacetyl Î±-MSH in energy homeostasis. Molecular Metabolism, 2018, 17, 82-97.	6.5	21
95	Peptidomic analysis of endogenous plasma peptides from patients with pancreatic neuroendocrine tumours. Rapid Communications in Mass Spectrometry, 2018, 32, 1414-1424.	1.5	32
96	Enteroendocrine cells switch hormone expression along the crypt-to-villus BMP signalling gradient. Nature Cell Biology, 2018, 20, 909-916.	10.3	188
97	Free Fatty Acid Receptors in Enteroendocrine Cells. Endocrinology, 2018, 159, 2826-2835.	2.8	50
98	Co-storage and release of insulin-like peptide-5, glucagon-like peptide-1 and peptideYY from murine and human colonic enteroendocrine cells. Molecular Metabolism, 2018, 16, 65-75.	6.5	45
99	Monitoring real-time hormone release kinetics <i>via</i> high-content 3-D imaging of compensatory endocytosis. Lab on A Chip, 2018, 18, 2838-2848.	6.0	17
100	Gastrointestinal Hormones â˜†. , 2018, , 31-70.		20
101	Glucagon-Like Peptide 1 and Its Analogs Act in the Dorsal Raphe and Modulate Central Serotonin to Reduce Appetite and Body Weight. Diabetes, 2017, 66, 1062-1073.	0.6	66
102	Signalling in the gut endocrine axis. Physiology and Behavior, 2017, 176, 183-188.	2.1	49
103	The SNARE Protein Syntaxin-1a Plays an Essential Role in Biphasic Exocytosis of the Incretin Hormone Glucagon-Like Peptide 1. Diabetes, 2017, 66, 2327-2338.	0.6	30
104	Scaling it down: new in vitro tools to get the balance right. Biochemical Journal, 2017, 474, 47-50.	3.7	1
105	Liquid chromatography/mass spectrometry based detection and semiâ€quantitative analysis of INSL5 in human and murine tissues. Rapid Communications in Mass Spectrometry, 2017, 31, 1963-1973.	1.5	26
106	Chylomicrons stimulate incretin secretion in mouse and human cells. Diabetologia, 2017, 60, 2475-2485.	6.3	47
107	Mixed Primary Cultures of Murine Small Intestine Intended for the Study of Gut Hormone Secretion and Live Cell Imaging of Enteroendocrine Cells. Journal of Visualized Experiments, 2017, , .	0.3	20
108	Serotonergic modulation of the activity of GLP-1 producing neurons in the nucleus of the solitary tract in mouse. Molecular Metabolism, 2017, 6, 909-921.	6.5	22

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109	Optogenetic Analysis of Depolarization-Dependent Glucagonlike Peptide-1 Release. Endocrinology, 2017, 158, 3426-3434.	2.8	2
110	Single-cell RNA-sequencing reveals a distinct population of proglucagon-expressing cells specific to the mouse upper small intestine. Molecular Metabolism, 2017, 6, 1296-1303.	6.5	68
111	Pregnane glycosides from Cynanchum menarandrense. Steroids, 2017, 125, 27-32.	1.8	6
112	Preproglucagon neurons in the hindbrain have IL-6 receptor-Î± and show Ca2+ influx in response to IL-6. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R115-R123.	1.8	21
113	Transcriptomic profiling of pancreatic alpha, beta and delta cell populations identifies delta cells as a principal target for ghrelin in mouse islets. Diabetologia, 2016, 59, 2156-2165.	6.3	169
114	Role of enteroendocrine Lâ€cells in arginine vasopressinâ€mediated inhibition of colonic anion secretion. Journal of Physiology, 2016, 594, 4865-4878.	2.9	24
115	The effect of encapsulated glutamine on gut peptide secretion in human volunteers. Peptides, 2016, 77, 38-46.	2.4	22
116	Angiotensin II Type 1 Receptor-Dependent GLP-1 and PYY Secretion in Mice and Humans. Endocrinology, 2016, 157, 3821-3831.	2.8	25
117	Mechanisms underlying glucoseâ€dependent insulinotropic polypeptide and glucagonâ€like peptideâ€1 secretion. Journal of Diabetes Investigation, 2016, 7, 13-19.	2.4	54
118	Functional and Molecular Adaptations of Enteroendocrine L-Cells in Male Obese Mice Are Associated With Preservation of Pancreatic Î±-Cell Function and Prevention of Hyperglycemia. Endocrinology, 2016, 157, 3832-3843.	2.8	42
119	The incretin hormone glucagonâ€like peptide 1 increases mitral cell excitability by decreasing conductance of a voltageâ€dependent potassium channel. Journal of Physiology, 2016, 594, 2607-2628.	2.9	43
120	Gut Hormone Regulation and Secretion via FFA1 and FFA4. Handbook of Experimental Pharmacology, 2016, 236, 181-203.	1.8	26
121	G protein-coupled receptors as new therapeutic targets for type 2 diabetes. Diabetologia, 2016, 59, 229-233.	6.3	56
122	Galanin inhibits GLPâ€1 and GIP secretion via the GAL₁ receptor in enteroendocrine L and K cells. British Journal of Pharmacology, 2016, 173, 888-898.	5.4	33
123	Peptide production and secretion in GLUTag, NCI-H716, and STC-1 cells: a comparison to native L-cells. Journal of Molecular Endocrinology, 2016, 56, 201-211.	2.5	76
124	Stimulation of incretin secreting cells. Therapeutic Advances in Endocrinology and Metabolism, 2016, 7, 24-42.	3.2	76
125	GLP1- and GIP-producing cells rarely overlap and differ by bombesin receptor-2 expression and responsiveness. Journal of Endocrinology, 2016, 228, 39-48.	2.6	35
126	The effect of bariatric surgery on gastrointestinal and pancreatic peptide hormones. Peptides, 2016, 77, 28-37.	2.4	210

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127	Enteroendocrine Cells: Chemosensors in the Intestinal Epithelium. Annual Review of Physiology, 2016, 78, 277-299.	13.1	438
128	Lipid derivatives activate GPR119 and trigger GLP-1 secretion in primary murine L-cells. Peptides, 2016, 77, 16-20.	2.4	79
129	Signalling pathways involved in the detection of peptones by murine small intestinal enteroendocrine L-cells. Peptides, 2016, 77, 9-15.	2.4	70
130	High fat diet impairs the function of glucagon-like peptide-1 producing L-cells. Peptides, 2016, 77, 21-27.	2.4	104
131	Proglucagon Promoter Cre-Mediated AMPK Deletion in Mice Increases Circulating GLP-1 Levels and Oral Glucose Tolerance. PLoS ONE, 2016, 11, e0149549.	2.5	13
132	Synthesis and Secretion of Incretins from the Gut. , 2015, , 21-48.		0
133	Effect of reducing portion size at a compulsory meal on later energy intake, gut hormones, and appetite in overweight adults. Obesity, 2015, 23, 1362-1370.	3.0	34
134	Gut chemosensing mechanisms. Journal of Clinical Investigation, 2015, 125, 908-917.	8.2	194
135	Activation of the GLP-1 Receptors in the Nucleus of the Solitary Tract Reduces Food Reward Behavior and Targets the Mesolimbic System. PLoS ONE, 2015, 10, e0119034.	2.5	116
136	Transcriptional regulator PRDM12 is essential for human pain perception. Nature Genetics, 2015, 47, 803-808.	21.4	137
137	LKB1 and AMPKÎ±1 are required in pancreatic alpha cells for the normal regulation of glucagon secretion and responses to hypoglycemia. Molecular Metabolism, 2015, 4, 277-286.	6.5	23
138	Targeting development of incretin-producing cells increases insulin secretion. Journal of Clinical Investigation, 2015, 125, 379-385.	8.2	51
139	Inhibition of the malateâ€“aspartate shuttle in mouse pancreatic islets abolishes glucagon secretion without affecting insulin secretion. Biochemical Journal, 2015, 468, 49-63.	3.7	27
140	Novel<i>SCN9A</i>Mutations Underlying Extreme Pain Phenotypes: Unexpected Electrophysiological and Clinical Phenotype Correlations. Journal of Neuroscience, 2015, 35, 7674-7681.	3.6	50
141	Distribution and characterisation of Glucagon-like peptide-1 receptor expressing cells in the mouse brain. Molecular Metabolism, 2015, 4, 718-731.	6.5	323
142	Submembrane ATP and Ca²⁺kinetics in Î±-cells: unexpected signaling for glucagon secretion. FASEB Journal, 2015, 29, 3379-3388.	0.5	58
143	Farnesoid X receptor inhibits glucagon-like peptide-1 production by enteroendocrine L cells. Nature Communications, 2015, 6, 7629.	12.8	274
144	Stimulation of GLP-1 Secretion Downstream of the Ligand-Gated Ion Channel TRPA1. Diabetes, 2015, 64, 1202-1210.	0.6	50

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145	Limited impact on glucose homeostasis of leptin receptor deletion from insulin- or proglucagon-expressing cells. Molecular Metabolism, 2015, 4, 619-630.	6.5	40
146	A Transcriptome-Led Exploration of Molecular Mechanisms Regulating Somatostatin-Producing D-Cells in the Gastric Epithelium. Endocrinology, 2015, 156, 3924-3936.	2.8	67
147	Bile Acids Trigger GLP-1 Release Predominantly by Accessing Basolaterally Located G Proteinâ€“Coupled Bile Acid Receptors. Endocrinology, 2015, 156, 3961-3970.	2.8	253
148	Spinally projecting preproglucagon axons preferentially innervate sympathetic preganglionic neurons. Neuroscience, 2015, 284, 872-887.	2.3	27
149	Bacterial Metabolite Indole Modulates Incretin Secretion from Intestinal Enteroendocrine L Cells. Cell Reports, 2014, 9, 1202-1208.	6.4	368
150	Generation of L Cells in Mouse and Human Small Intestine Organoids. Diabetes, 2014, 63, 410-420.	0.6	118
151	Identification and Characterization of GLP-1 Receptorâ€“Expressing Cells Using a New Transgenic Mouse Model. Diabetes, 2014, 63, 1224-1233.	0.6	345
152	The Peutz-Jeghers kinase LKB1 suppresses polyp growth from intestinal cells of a proglucagon-expressing lineage. DMM Disease Models and Mechanisms, 2014, 7, 1275-86.	2.4	10
153	Reversible changes in pancreatic islet structure and function produced by elevated blood glucose. Nature Communications, 2014, 5, 4639.	12.8	220
154	Clocking Up GLP-1: Considering Intestinal Rhythms in the Incretin Effect. Diabetes, 2014, 63, 3584-3586.	0.6	1
155	The Melanocortin-4 Receptor Is Expressed in Enteroendocrine L Cells and Regulates the Release of Peptide YY and Glucagon-like Peptide 1 InÂVivo. Cell Metabolism, 2014, 20, 1018-1029.	16.2	139
156	GLP-1 Receptor Stimulation of the Lateral Parabrachial Nucleus Reduces Food Intake: Neuroanatomical, Electrophysiological, and Behavioral Evidence. Endocrinology, 2014, 155, 4356-4367.	2.8	71
157	The role of gut endocrine cells in control of metabolism and appetite. Experimental Physiology, 2014, 99, 1116-1120.	2.0	38
158	LKB1 and AMPK differentially regulate pancreatic Î²â€€cell identity. FASEB Journal, 2014, 28, 4972-4985.	0.5	71
159	Fructose stimulates GLP-1 but not GIP secretion in mice, rats, and humans. American Journal of Physiology - Renal Physiology, 2014, 306, G622-G630.	3.4	94
160	Insulin-like peptide 5 is an orexigenic gastrointestinal hormone. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11133-11138.	7.1	120
161	Diabetes recovery by age-dependent conversion of pancreatic Î´-cells into insulin producers. Nature, 2014, 514, 503-507.	27.8	335
162	Na⁺ current properties in islet Î±â€•and Î²â€€cells reflect cellâ€€specific <i>Scn3a</i> and <i>Scn9a</i> expression. Journal of Physiology, 2014, 592, 4677-4696.	2.9	78

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163	Co-localisation and secretion of glucagon-like peptide 1 and peptide YY from primary cultured human L cells. Diabetologia, 2013, 56, 1413-1416.	6.3	150
164	Molecular mechanisms of incretin hormone secretion. Current Opinion in Pharmacology, 2013, 13, 922-927.	3.5	77
165	Oligopeptides stimulate glucagon-like peptide-1 secretion in mice through proton-coupled uptake and the calcium-sensing receptor. Diabetologia, 2013, 56, 2688-2696.	6.3	158
166	Role of KATP Channels in Glucose-Regulated Glucagon Secretion and Impaired Counterregulation in Type 2 Diabetes. Cell Metabolism, 2013, 18, 871-882.	16.2	179
167	Towards the harnessing of gut feelings. Current Opinion in Pharmacology, 2013, 13, 909-911.	3.5	6
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