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	Short-Chain Fatty Acids Stimulate Glucagon-Like Peptide-1 Secretion via the G-Proteinâ€“Coupled Receptor FFAR2. Diabetes, 2012, 61, 364-371.	0.6	1,644
2	An SCN9A channelopathy causes congenital inability to experience pain. Nature, 2006, 444, 894-898.	27.8	1,353
3	Glucagon-like peptide 1 (GLP-1). Molecular Metabolism, 2019, 30, 72-130.	6.5	850
4	TAC3 and TACR3 mutations in familial hypogonadotropic hypogonadism reveal a key role for Neurokinin B in the central control of reproduction. Nature Genetics, 2009, 41, 354-358.	21.4	817
5	Interleukin-6 enhances insulin secretion by increasing glucagon-like peptide-1 secretion from L cells and alpha cells. Nature Medicine, 2011, 17, 1481-1489.	30.7	714
6	Glucose Sensing in L Cells: A Primary Cell Study. Cell Metabolism, 2008, 8, 532-539.	16.2	624
7	Na+-<scp>d</scp>-glucose Cotransporter SGLT1 is Pivotal for Intestinal Glucose Absorption and Glucose-Dependent Incretin Secretion. Diabetes, 2012, 61, 187-196.	0.6	550
8	Enteroendocrine Cells: Chemosensors in the Intestinal Epithelium. Annual Review of Physiology, 2016, 78, 277-299.	13.1	438
9	Trophoblast organoids as a model for maternalâ€“fetal interactions during human placentation. Nature, 2018, 564, 263-267.	27.8	436
10	Sulfonylurea Stimulation of Insulin Secretion. Diabetes, 2002, 51, S368-S376.	0.6	393
11	Bacterial Metabolite Indole Modulates Incretin Secretion from Intestinal Enteroendocrine L Cells. Cell Reports, 2014, 9, 1202-1208.	6.4	368
12	Function and mechanisms of enteroendocrine cells and gut hormones in metabolism. Nature Reviews Endocrinology, 2019, 15, 226-237.	9.6	350
13	Insulin Storage and Glucose Homeostasis in Mice Null for the Granule Zinc Transporter ZnT8 and Studies of the Type 2 Diabetesâ€“Associated Variants. Diabetes, 2009, 58, 2070-2083.	0.6	347
14	Identification and Characterization of GLP-1 Receptorâ€“Expressing Cells Using a New Transgenic Mouse Model. Diabetes, 2014, 63, 1224-1233.	0.6	345
15	A Novel Glucose-Sensing Mechanism Contributing to Glucagon-Like Peptide-1 Secretion From the GLUTag Cell Line. Diabetes, 2003, 52, 1147-1154.	0.6	341
16	Diabetes recovery by age-dependent conversion of pancreatic Î´-cells into insulin producers. Nature, 2014, 514, 503-507.	27.8	335
17	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	27.8	326
18	Distribution and characterisation of Glucagon-like peptide-1 receptor expressing cells in the mouse brain. Molecular Metabolism, 2015, 4, 718-731.	6.5	323

#	ARTICLE	IF	CITATIONS
19	Overlap of Endocrine Hormone Expression in the Mouse Intestine Revealed by Transcriptional Profiling and Flow Cytometry. Endocrinology, 2012, 153, 3054-3065.	2.8	317
20	GDF15 Provides an Endocrine Signal of Nutritional Stress in Mice and Humans. Cell Metabolism, 2019, 29, 707-718.e8.	16.2	286
21	Pain perception is altered by a nucleotide polymorphism in <i>SCN9A</i>. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5148-5153.	7.1	279
22	Nutrient-dependent secretion of glucose-dependent insulinotropic polypeptide from primary murine K cells. Diabetologia, 2009, 52, 289-298.	6.3	274
23	Farnesoid X receptor inhibits glucagon-like peptide-1 production by enteroendocrine L cells. Nature Communications, 2015, 6, 7629.	12.8	274
24	Sulphonylurea action revisited: the post-cloning era. Diabetologia, 2003, 46, 875-891.	6.3	270
25	hKCNMB3 and hKCNMB4, cloning and characterization of two members of the large-conductance calcium-activated potassium channel Î² subunit family. FEBS Letters, 2000, 474, 99-106.	2.8	269
26	SCFAs strongly stimulate PYY production in human enteroendocrine cells. Scientific Reports, 2018, 8, 74.	3.3	262
27	Glucose-Sensing in Glucagon-Like Peptide-1-Secreting Cells. Diabetes, 2002, 51, 2757-2763.	0.6	256
28	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
29	Dominantly inherited hyperinsulinism caused by a mutation in the sulfonylurea receptor type 1. Journal of Clinical Investigation, 2000, 106, 897-906.	8.2	237
30	GLP-1 Inhibits and Adrenaline Stimulates Glucagon Release by Differential Modulation of N- and L-Type Ca2+ Channel-Dependent Exocytosis. Cell Metabolism, 2010, 11, 543-553.	16.2	225
31	Reversible changes in pancreatic islet structure and function produced by elevated blood glucose. Nature Communications, 2014, 5, 4639.	12.8	220
32	The effect of bariatric surgery on gastrointestinal and pancreatic peptide hormones. Peptides, 2016, 77, 28-37.	2.4	210
33	Molecular determinants of KATP channel inhibition by ATP. EMBO Journal, 1998, 17, 3290-3296.	7.8	208
34	Glutamine potently stimulates glucagon-like peptide-1 secretion from GLUTag cells. Diabetologia, 2004, 47, 1592-1601.	6.3	208
35	Inwardly rectifying potassium channels. Current Opinion in Cell Biology, 1999, 11, 503-508.	5.4	202
36	Oral glutamine increases circulating glucagon-like peptide 1, glucagon, and insulin concentrations in lean, obese, and type 2 diabetic subjects. American Journal of Clinical Nutrition, 2009, 89, 106-113.	4.7	201

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37	G-Protein-Coupled Receptors in Intestinal Chemosensation. Cell Metabolism, 2012, 15, 421-431.	16.2	196
38	Gut chemosensing mechanisms. Journal of Clinical Investigation, 2015, 125, 908-917.	8.2	194
39	Enteroendocrine cells switch hormone expression along the crypt-to-villus BMP signalling gradient. Nature Cell Biology, 2018, 20, 909-916.	10.3	188
40	Relapsing diabetes can result from moderately activating mutations in KCNJ11. Human Molecular Genetics, 2005, 14, 925-934.	2.9	184
41	Molecular mechanisms underlying bile acidâ€stimulated glucagonâ€like peptideâ€1 secretion. British Journal of Pharmacology, 2012, 165, 414-423.	5.4	179
42	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
43	Nutritional regulation of glucagonâ€like peptideâ€1 secretion. Journal of Physiology, 2009, 587, 27-32.	2.9	177
44	Predominant role of active versus facilitative glucose transport for glucagon-like peptide-1 secretion. Diabetologia, 2012, 55, 2445-2455.	6.3	175
45	Glucose-Dependent Insulinotropic Polypeptide Receptor-Expressing Cells in the Hypothalamus Regulate Food Intake. Cell Metabolism, 2019, 30, 987-996.e6.	16.2	171
46	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
47	A new subtype of autosomal dominant diabetes attributable to a mutation in the gene for sulfonylurea receptor 1. Lancet, The, 2003, 361, 301-307.	13.7	163
48	Enteroendocrine cells-sensory sentinels of the intestinal environment and orchestrators of mucosal immunity. Mucosal Immunology, 2018, 11, 3-20.	6.0	163
49	Preproglucagon neurons project widely to autonomic control areas in the mouse brain. Neuroscience, 2011, 180, 111-121.	2.3	159
50	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
51	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
52	Mucolipin-1 Is a Lysosomal Membrane Protein Required for Intracellular Lactosylceramide Traffic. Traffic, 2006, 7, 1388-1398.	2.7	143
53	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
54	Transcriptional regulator PRDM12 is essential for human pain perception. Nature Genetics, 2015, 47, 803-808.	21.4	137

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55	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
56	Glutamine Triggers and Potentiates Glucagon-Like Peptide-1 Secretion by Raising Cytosolic Ca2+ and cAMP. Endocrinology, 2011, 152, 405-413.	2.8	134
57	Molecular mechanisms underlying nutrient-stimulated incretin secretion. Expert Reviews in Molecular Medicine, 2010, 12, e1.	3.9	128
58	Leptin Directly Depolarizes Preproglucagon Neurons in the Nucleus Tractus Solitarius. Diabetes, 2010, 59, 1890-1898.	0.6	127
59	The G Protein-coupled Receptor Family C Group 6 Subtype A (GPRC6A) Receptor Is Involved in Amino Acid-induced Glucagon-like Peptide-1 Secretion from GLUTag Cells. Journal of Biological Chemistry, 2013, 288, 4513-4521.	3.4	125
60	Hypogonadotropic Hypogonadism due to a Novel Missense Mutation in the First Extracellular Loop of the Neurokinin B Receptor. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 3633-3639.	3.6	122
61	Important Role of the GLP-1 Axis for Glucose Homeostasis after Bariatric Surgery. Cell Reports, 2019, 26, 1399-1408.e6.	6.4	121
62	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
63	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
64	Generation of L Cells in Mouse and Human Small Intestine Organoids. Diabetes, 2014, 63, 410-420.	0.6	118
65	Insulin inhibits glucagon release by SGLT2-induced stimulation of somatostatin secretion. Nature Communications, 2019, 10, 139.	12.8	117
66	A cross-platform approach identifies genetic regulators of human metabolism and health. Nature Genetics, 2021, 53, 54-64.	21.4	117
67	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
68	Hierarchical neural architecture underlying thirst regulation. Nature, 2018, 555, 204-209.	27.8	113
69	Sodium-Coupled Glucose Cotransporters Contribute to Hypothalamic Glucose Sensing. Diabetes, 2006, 55, 3381-3386.	0.6	109
70	Calcium elevation in mouse pancreatic beta cells evoked by extracellular human islet amyloid polypeptide involves activation of the mechanosensitive ion channel TRPV4. Diabetologia, 2008, 51, 2252-2262.	6.3	109
71	Central and peripheral GLP-1 systems independently suppress eating. Nature Metabolism, 2021, 3, 258-273.	11.9	107
72	High fat diet impairs the function of glucagon-like peptide-1 producing L-cells. Peptides, 2016, 77, 21-27.	2.4	104

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73	Comparison of Human and Murine Enteroendocrine Cells by Transcriptomic and Peptidomic Profiling. Diabetes, 2019, 68, 1062-1072.	0.6	100
74	Ablation of AMP-activated protein kinase Î±1 and Î±2 from mouse pancreatic beta cells and RIP2.Cre neurons suppresses insulin release in vivo. Diabetologia, 2010, 53, 924-936.	6.3	99
75	Congenital insensitivity to pain: novel SCN9A missense and in-frame deletion mutations. Human Mutation, 2010, 31, E1670-E1686.	2.5	97
76	Nutrient detection by incretin hormone secreting cells. Physiology and Behavior, 2012, 106, 387-393.	2.1	97
77	Differential selectivity of insulin secretagogues. Journal of Diabetes and Its Complications, 2003, 17, 11-15.	2.3	96
78	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
79	The neurotransmitters glycine and GABA stimulate glucagon-like peptide-1 release from the GLUTag cell line. Journal of Physiology, 2005, 569, 761-772.	2.9	93
80	Involvement of the N-terminus of Kir6.2 in coupling to the sulphonylurea receptor. Journal of Physiology, 1999, 518, 325-336.	2.9	92
81	Dissociation between sensing and metabolism of glucose in sugar sensing neurones. Journal of Physiology, 2009, 587, 41-48.	2.9	92
82	Super-resolution microscopy compatible fluorescent probes reveal endogenous glucagon-like peptide-1 receptor distribution and dynamics. Nature Communications, 2020, 11, 467.	12.8	88
83	Intestinal Sensing of Nutrients. Handbook of Experimental Pharmacology, 2012, , 309-335.	1.8	83
84	A Novel Missense Mutation in AE1 Causing Autosomal Dominant Distal Renal Tubular Acidosis Retains Normal Transport Function but Is Mistargeted in Polarized Epithelial Cells. Journal of Biological Chemistry, 2004, 279, 13833-13838.	3.4	80
85	Lipid derivatives activate GPR119 and trigger GLP-1 secretion in primary murine L-cells. Peptides, 2016, 77, 16-20.	2.4	79
86	CCK Stimulation of GLP-1 Neurons Involves Î±1-Adrenoceptorâ€"Mediated Increase in Glutamatergic Synaptic Inputs. Diabetes, 2011, 60, 2701-2709.	0.6	78
87	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
88	Molecular mechanisms of incretin hormone secretion. Current Opinion in Pharmacology, 2013, 13, 922-927.	3.5	77
89	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
90	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

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91	Stimulation of incretin secreting cells. Therapeutic Advances in Endocrinology and Metabolism, 2016, 7, 24-42.	3.2	76
92	Neurochemical Characterization of Body Weight-Regulating Leptin Receptor Neurons in the Nucleus of the Solitary Tract. Endocrinology, 2012, 153, 4600-4607.	2.8	74
93	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
94	Metabolic Messengers: glucagon-like peptide 1. Nature Metabolism, 2021, 3, 142-148.	11.9	73
95	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
96	LKB1 and AMPK differentially regulate pancreatic Î²â€cell identity. FASEB Journal, 2014, 28, 4972-4985.	0.5	71
97	Signalling pathways involved in the detection of peptones by murine small intestinal enteroendocrine L-cells. Peptides, 2016, 77, 9-15.	2.4	70
98	Somatostatin receptor 5 and cannabinoid receptor 1 activation inhibit secretion of glucose-dependent insulinotropic polypeptide from intestinal K cells in rodents. Diabetologia, 2012, 55, 3094-3103.	6.3	68
99	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
100	Cyclic AMP triggers glucagon-like peptide-1 secretion from the GLUTag enteroendocrine cell line. Diabetologia, 2007, 50, 2181-2189.	6.3	67
101	Electrical activityâ€triggered glucagonâ€like peptideâ€1 secretion from primary murine Lâ€cells. Journal of Physiology, 2011, 589, 1081-1093.	2.9	67
102	A Transcriptome-Led Exploration of Molecular Mechanisms Regulating Somatostatin-Producing D-Cells in the Gastric Epithelium. Endocrinology, 2015, 156, 3924-3936.	2.8	67
103	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
104	Effects of mitiglinide (S 21403) on Kir6.2/SUR1, Kir6.2/SUR2A and Kir6.2/SUR2B types of ATP-sensitive potassium channel. British Journal of Pharmacology, 2001, 132, 1542-1548.	5.4	65
105	PYY plays a key role in the resolution of diabetes following bariatric surgery in humans. EBioMedicine, 2019, 40, 67-76.	6.1	65
106	Functionally distinct POMC-expressing neuron subpopulations in hypothalamus revealed by intersectional targeting. Nature Neuroscience, 2021, 24, 913-929.	14.8	64
107	Pharmacological modulation of KATP channels. Biochemical Society Transactions, 2002, 30, 333-339.	3.4	60
108	Submembrane ATP and Ca²⁺kinetics in Î±-cells: unexpected signaling for glucagon secretion. FASEB Journal, 2015, 29, 3379-3388.	0.5	58

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109	No direct effect of SGLT2 activity on glucagon secretion. Diabetologia, 2019, 62, 1011-1023.	6.3	58
110	G protein-coupled receptors as new therapeutic targets for type 2 diabetes. Diabetologia, 2016, 59, 229-233.	6.3	56
111	Differential Response of K_{ATP} Channels Containing SUR2A or SUR2B Subunits to Nucleotides and Pinacidil. Molecular Pharmacology, 2000, 58, 1318-1325.	2.3	54
112	Mechanisms underlying glucoseâ€dependent insulinotropic polypeptide and glucagonâ€like peptideâ€1 secretion. Journal of Diabetes Investigation, 2016, 7, 13-19.	2.4	54
113	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
114	Preproglucagon (PPG) neurons innervate neurochemicallyidentified autonomic neurons in the mouse brainstem. Neuroscience, 2013, 229, 130-143.	2.3	52
115	Microbial regulation of the L cell transcriptome. Scientific Reports, 2018, 8, 1207.	3.3	52
116	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
117	Targeting development of incretin-producing cells increases insulin secretion. Journal of Clinical Investigation, 2015, 125, 379-385.	8.2	51
118	The role of the PDE4D cAMP phosphodiesterase in the regulation of glucagonâ€like peptideâ€1 release. British Journal of Pharmacology, 2009, 157, 633-644.	5.4	50
119	Molecular mechanisms underlying nutrient detection by incretin-secreting cells. International Dairy Journal, 2010, 20, 236-242.	3.0	50
120	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
121	Stimulation of GLP-1 Secretion Downstream of the Ligand-Gated Ion Channel TRPA1. Diabetes, 2015, 64, 1202-1210.	0.6	50
122	Free Fatty Acid Receptors in Enteroendocrine Cells. Endocrinology, 2018, 159, 2826-2835.	2.8	50
123	Signalling in the gut endocrine axis. Physiology and Behavior, 2017, 176, 183-188.	2.1	49
124	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
125	Characterization and functional role of voltage gated cation conductances in the glucagon-like peptide-1 secreting GLUTag cell line. Journal of Physiology, 2005, 563, 161-175.	2.9	47
126	Chylomicrons stimulate incretin secretion in mouse and human cells. Diabetologia, 2017, 60, 2475-2485.	6.3	47

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127	Per-arnt-sim (PAS) domain-containing protein kinase is downregulated in human islets in type 2 diabetes and regulates glucagon secretion. Diabetologia, 2011, 54, 819-827.	6.3	46
128	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
129	The cytokine GDF15 signals through a population of brainstem cholecystokinin neurons to mediate anorectic signalling. ELife, 2020, 9, .	6.0	46
130	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
131	Selective stimulation of colonic L cells improves metabolic outcomes in mice. Diabetologia, 2020, 63, 1396-1407.	6.3	45
132	PPARÎ²/Î´ affects pancreatic Î² cell mass and insulin secretion in mice. Journal of Clinical Investigation, 2012, 122, 4105-4117.	8.2	45
133	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
134	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
135	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
136	The role of lysine 185 in the Kir6.2 subunit of the ATPâ€sensitive channel in channel inhibition by ATP. Journal of Physiology, 1999, 520, 661-669.	2.9	42
137	Structural Basis for the Interference Between Nicorandil and Sulfonylurea Action. Diabetes, 2001, 50, 2253-2259.	0.6	42
138	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
139	Labeling and Characterization of Human GLP-1-Secreting L-cells in Primary Ileal Organoid Culture. Cell Reports, 2020, 31, 107833.	6.4	42
140	Limited impact on glucose homeostasis of leptin receptor deletion from insulin- or proglucagon-expressing cells. Molecular Metabolism, 2015, 4, 619-630.	6.5	40
141	Peptidomics: A Review of Clinical Applications and Methodologies. Journal of Proteome Research, 2021, 20, 3782-3797.	3.7	40
142	Nutrient-Induced Cellular Mechanisms of Gut Hormone Secretion. Nutrients, 2021, 13, 883.	4.1	39
143	The role of gut endocrine cells in control of metabolism and appetite. Experimental Physiology, 2014, 99, 1116-1120.	2.0	38
144	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

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145	Characterisation of new KATP-channel mutations associated with congenital hyperinsulinism in the Finnish population. Diabetologia, 2003, 46, 241-249.	6.3	35
146	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
147	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
148	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
149	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
150	Peptidomic analysis of endogenous plasma peptides from patients with pancreatic neuroendocrine tumours. Rapid Communications in Mass Spectrometry, 2018, 32, 1414-1424.	1.5	32
151	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
152	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
153	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
154	Synaptic Inputs to the Mouse Dorsal Vagal Complex and Its Resident Preproglucagon Neurons. Journal of Neuroscience, 2019, 39, 9767-9781.	3.6	30
155	Nucleotide modulation of pinacidil stimulation of the cloned K(ATP) channel Kir6.2/SUR2A. Molecular Pharmacology, 2000, 57, 1256-61.	2.3	30
156	Models and Tools for Studying Enteroendocrine Cells. Endocrinology, 2018, 159, 3874-3884.	2.8	28
157	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
158	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
159	Spinally projecting preproglucagon axons preferentially innervate sympathetic preganglionic neurons. Neuroscience, 2015, 284, 872-887.	2.3	27
160	Gut Hormone Regulation and Secretion via FFA1 and FFA4. Handbook of Experimental Pharmacology, 2016, 236, 181-203.	1.8	26
161	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
162	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

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163	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
164	Somatostatin secretion by Na+-dependent Ca2+-induced Ca2+ release in pancreatic delta cells. Nature Metabolism, 2020, 2, 32-40.	11.9	26
165	Angiotensin II Type 1 Receptor-Dependent GLP-1 and PYY Secretion in Mice and Humans. Endocrinology, 2016, 157, 3821-3831.	2.8	25
166	Distribution and Stimulus Secretion Coupling of Enteroendocrine Cells along the Intestinal Tract. , 2018, 8, 1603-1638.		25
167	Essential Role of Syntaxin-Binding Protein-1 in the Regulation of Glucagon-Like Peptide-1 Secretion. Endocrinology, 2020, 161, .	2.8	25
168	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
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