Fiona M Gribble

List of Publications by Year in descending order

233 papers	25,146 citations	6613 79 h-index	7745 150 g-index
249 all docs	249 docs citations	249 times ranked	22961 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	Truncation of Kir6.2 produces ATP-sensitive K+ channels in the absence of the sulphonylurea receptor. Nature, 1997, 387, 179-183.	27.8	723
4	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
5	Glucose Sensing in L Cells: A Primary Cell Study. Cell Metabolism, 2008, 8, 532-539.	16.2	624
6	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
7	Genetic cause of hyperglycaemia and response to treatment in diabetes. Lancet, The, 2003, 362, 1275-1281.	13.7	526
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	Correlating structure and function in ATP-sensitive K+ channels. Trends in Neurosciences, 1998, 21, 288-294.	8.6	392
12	Bacterial Metabolite Indole Modulates Incretin Secretion from Intestinal Enteroendocrine L Cells. Cell Reports, 2014, 9, 1202-1208.	6.4	368
13	Function and mechanisms of enteroendocrine cells and gut hormones in metabolism. Nature Reviews Endocrinology, 2019, 15, 226-237.	9.6	350
14	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
15	Identification and Characterization of GLP-1 Receptorâ€“Expressing Cells Using a New Transgenic Mouse Model. Diabetes, 2014, 63, 1224-1233.	0.6	345
16	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
17	Diabetes recovery by age-dependent conversion of pancreatic Î´-cells into insulin producers. Nature, 2014, 514, 503-507.	27.8	335
18	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	27.8	326

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19	Distribution and characterisation of Glucagon-like peptide-1 receptor expressing cells in the mouse brain. Molecular Metabolism, 2015, 4, 718-731.	6.5	323
20	Overlap of Endocrine Hormone Expression in the Mouse Intestine Revealed by Transcriptional Profiling and Flow Cytometry. Endocrinology, 2012, 153, 3054-3065.	2.8	317
21	GDF15 Provides an Endocrine Signal of Nutritional Stress in Mice and Humans. Cell Metabolism, 2019, 29, 707-718.e8.	16.2	286
22	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
23	Nutrient-dependent secretion of glucose-dependent insulinotropic polypeptide from primary murine K cells. Diabetologia, 2009, 52, 289-298.	6.3	274
24	Farnesoid X receptor inhibits glucagon-like peptide-1 production by enteroendocrine L cells. Nature Communications, 2015, 6, 7629.	12.8	274
25	Sulphonylurea action revisited: the post-cloning era. Diabetologia, 2003, 46, 875-891.	6.3	270
26	A Novel Method for Measurement of Submembrane ATP Concentration. Journal of Biological Chemistry, 2000, 275, 30046-30049.	3.4	257
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	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
30	Reversible changes in pancreatic islet structure and function produced by elevated blood glucose. Nature Communications, 2014, 5, 4639.	12.8	220
31	The effect of bariatric surgery on gastrointestinal and pancreatic peptide hormones. Peptides, 2016, 77, 28-37.	2.4	210
32	Glutamine potently stimulates glucagon-like peptide-1 secretion from GLUTag cells. Diabetologia, 2004, 47, 1592-1601.	6.3	208
33	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
34	G-Protein-Coupled Receptors in Intestinal Chemosensation. Cell Metabolism, 2012, 15, 421-431.	16.2	196
35	Gut chemosensing mechanisms. Journal of Clinical Investigation, 2015, 125, 908-917.	8.2	194
36	Enteroendocrine cells switch hormone expression along the crypt-to-villus BMP signalling gradient. Nature Cell Biology, 2018, 20, 909-916.	10.3	188

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37	Relapsing diabetes can result from moderately activating mutations in KCNJ11. Human Molecular Genetics, 2005, 14, 925-934.	2.9	184
38	Molecular mechanisms underlying bile acidâ€stimulated glucagonâ€like peptideâ€1 secretion. British Journal of Pharmacology, 2012, 165, 414-423.	5.4	179
39	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
40	New windows on the mechanism of action of KATP channel openers. Trends in Pharmacological Sciences, 2000, 21, 439-445.	8.7	178
41	Nutritional regulation of glucagonâ€like peptideâ€1 secretion. Journal of Physiology, 2009, 587, 27-32.	2.9	177
42	Predominant role of active versus facilitative glucose transport for glucagon-like peptide-1 secretion. Diabetologia, 2012, 55, 2445-2455.	6.3	175
43	Glucose-Dependent Insulinotropic Polypeptide Receptor-Expressing Cells in the Hypothalamus Regulate Food Intake. Cell Metabolism, 2019, 30, 987-996.e6.	16.2	171
44	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
45	Preproglucagon neurons project widely to autonomic control areas in the mouse brain. Neuroscience, 2011, 180, 111-121.	2.3	159
46	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
47	Promiscuous coupling between the sulphonylurea receptor and inwardly rectifying potassium channels. Nature, 1996, 379, 545-548.	27.8	156
48	Roles of the Gut in Glucose Homeostasis. Diabetes Care, 2016, 39, 884-892.	8.6	155
49	TCF7L2 Polymorphisms Modulate Proinsulin Levels and Â-Cell Function in a British Europid Population. Diabetes, 2007, 56, 1943-1947.	0.6	154
50	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
51	The Interaction of nucleotides with the tolbutamide block of cloned atp-sensitive k+channel currents expressed in xenopus oocytes: a reinterpretation. Journal of Physiology, 1997, 504, 35-45.	2.9	149
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	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

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55	Glutamine Triggers and Potentiates Glucagon-Like Peptide-1 Secretion by Raising Cytosolic Ca2+ and cAMP. Endocrinology, 2011, 152, 405-413.	2.8	134
56	Molecular mechanisms underlying nutrient-stimulated incretin secretion. Expert Reviews in Molecular Medicine, 2010, 12, e1.	3.9	128
57	Leptin Directly Depolarizes Preproglucagon Neurons in the Nucleus Tractus Solitarius. Diabetes, 2010, 59, 1890-1898.	0.6	127
58	Impairment of the Ubiquitin-Proteasome Pathway Is a Downstream Endoplasmic Reticulum Stress Response Induced by Extracellular Human Islet Amyloid Polypeptide and Contributes to Pancreatic Î²-Cell Apoptosis. Diabetes, 2007, 56, 2284-2294.	0.6	125
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	Mechanism of Cloned ATP-sensitive Potassium Channel Activation by Oleoyl-CoA. Journal of Biological Chemistry, 1998, 273, 26383-26387.	3.4	119
64	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
65	Generation of L Cells in Mouse and Human Small Intestine Organoids. Diabetes, 2014, 63, 410-420.	0.6	118
66	Insulin inhibits glucagon release by SGLT2-induced stimulation of somatostatin secretion. Nature Communications, 2019, 10, 139.	12.8	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	Nutrient detection by incretin hormone secreting cells. Physiology and Behavior, 2012, 106, 387-393.	2.1	97
75	Differential selectivity of insulin secretagogues. Journal of Diabetes and Its Complications, 2003, 17, 11-15.	2.3	96
76	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
77	Tissue-specific effects of sulfonylureas. Journal of Diabetes and Its Complications, 2000, 14, 192-196.	2.3	88
78	Glutamine Reduces Postprandial Glycemia and Augments the Glucagon-Like Peptide-1 Response in Type 2 Diabetes Patients. Journal of Nutrition, 2011, 141, 1233-1238.	2.9	85
79	Intestinal Sensing of Nutrients. Handbook of Experimental Pharmacology, 2012, , 309-335.	1.8	83
80	The gut endocrine system as a coordinator of postprandial nutrient homoeostasis. Proceedings of the Nutrition Society, 2012, 71, 456-462.	1.0	79
81	Lipid derivatives activate GPR119 and trigger GLP-1 secretion in primary murine L-cells. Peptides, 2016, 77, 16-20.	2.4	79
82	CCK Stimulation of GLP-1 Neurons Involves Î±1-Adrenoceptorâ€“Mediated Increase in Glutamatergic Synaptic Inputs. Diabetes, 2011, 60, 2701-2709.	0.6	78
83	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
84	Molecular mechanisms of incretin hormone secretion. Current Opinion in Pharmacology, 2013, 13, 922-927.	3.5	77
85	GPR119, a Major Enteroendocrine Sensor of Dietary Triglyceride Metabolites Coacting in Synergy With FFA1 (GPR40). Endocrinology, 2016, 157, 4561-4569.	2.8	77
86	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
87	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
88	Stimulation of incretin secreting cells. Therapeutic Advances in Endocrinology and Metabolism, 2016, 7, 24-42.	3.2	76
89	The antimalarial agent mefloquine inhibits ATP-sensitive K-channels. British Journal of Pharmacology, 2000, 131, 756-760.	5.4	75
90	Neurochemical Characterization of Body Weight-Regulating Leptin Receptor Neurons in the Nucleus of the Solitary Tract. Endocrinology, 2012, 153, 4600-4607.	2.8	74

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91	Metabolic Messengers: glucagon-like peptide 1. Nature Metabolism, 2021, 3, 142-148.	11.9	73
92	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
93	LKB1 and AMPK differentially regulate pancreatic Î²â€cell identity. FASEB Journal, 2014, 28, 4972-4985.	0.5	71
94	Signalling pathways involved in the detection of peptones by murine small intestinal enteroendocrine L-cells. Peptides, 2016, 77, 9-15.	2.4	70
95	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
96	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
97	Cyclic AMP triggers glucagon-like peptide-1 secretion from the GLUTag enteroendocrine cell line. Diabetologia, 2007, 50, 2181-2189.	6.3	67
98	A Transcriptome-Led Exploration of Molecular Mechanisms Regulating Somatostatin-Producing D-Cells in the Gastric Epithelium. Endocrinology, 2015, 156, 3924-3936.	2.8	67
99	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
100	PYY plays a key role in the resolution of diabetes following bariatric surgery in humans. EBioMedicine, 2019, 40, 67-76.	6.1	65
101	Sulfonylurea sensitivity of adenosine triphosphate-sensitive potassium channels fromcells and extrapancreatic tissues. Metabolism: Clinical and Experimental, 2000, 49, 3-6.	3.4	64
102	Functionally distinct POMC-expressing neuron subpopulations in hypothalamus revealed by intersectional targeting. Nature Neuroscience, 2021, 24, 913-929.	14.8	64
103	Submembrane ATP and Ca²⁺kinetics in Î±-cells: unexpected signaling for glucagon secretion. FASEB Journal, 2015, 29, 3379-3388.	0.5	58
104	No direct effect of SGLT2 activity on glucagon secretion. Diabetologia, 2019, 62, 1011-1023.	6.3	58
105	G protein-coupled receptors as new therapeutic targets for type 2 diabetes. Diabetologia, 2016, 59, 229-233.	6.3	56
106	Involvement of the N-terminus of Kir6.2 in the inhibition of the KATPchannel by ATP. Journal of Physiology, 1999, 514, 19-25.	2.9	54
107	Differential Response of K_{ATP} Channels Containing SUR2A or SUR2B Subunits to Nucleotides and Pinacidil. Molecular Pharmacology, 2000, 58, 1318-1325.	2.3	54
108	Mechanisms underlying glucoseâ€dependent insulinotropic polypeptide and glucagonâ€like peptideâ€1 secretion. Journal of Diabetes Investigation, 2016, 7, 13-19.	2.4	54

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109	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
110	Preproglucagon (PPG) neurons innervate neurochemicallyidentified autonomic neurons in the mouse brainstem. Neuroscience, 2013, 229, 130-143.	2.3	52
111	Microbial regulation of the L cell transcriptome. Scientific Reports, 2018, 8, 1207.	3.3	52
112	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
113	Targeting development of incretin-producing cells increases insulin secretion. Journal of Clinical Investigation, 2015, 125, 379-385.	8.2	51
114	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
115	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
116	Stimulation of GLP-1 Secretion Downstream of the Ligand-Gated Ion Channel TRPA1. Diabetes, 2015, 64, 1202-1210.	0.6	50
117	Free Fatty Acid Receptors in Enteroendocrine Cells. Endocrinology, 2018, 159, 2826-2835.	2.8	50
118	Signalling in the gut endocrine axis. Physiology and Behavior, 2017, 176, 183-188.	2.1	49
119	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
120	Chylomicrons stimulate incretin secretion in mouse and human cells. Diabetologia, 2017, 60, 2475-2485.	6.3	47
121	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
122	The cytokine GDF15 signals through a population of brainstem cholecystokinin neurons to mediate anorectic signalling. ELife, 2020, 9, .	6.0	46
123	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
124	Selective stimulation of colonic L cells improves metabolic outcomes in mice. Diabetologia, 2020, 63, 1396-1407.	6.3	45
125	PPARÎ²/Î´ affects pancreatic Î² cell mass and insulin secretion in mice. Journal of Clinical Investigation, 2012, 122, 4105-4117.	8.2	45
126	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

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127	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
128	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
129	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
130	Labeling and Characterization of Human GLP-1-Secreting L-cells in Primary Ileal Organoid Culture. Cell Reports, 2020, 31, 107833.	6.4	42
131	Limited impact on glucose homeostasis of leptin receptor deletion from insulin- or proglucagon-expressing cells. Molecular Metabolism, 2015, 4, 619-630.	6.5	40
132	Peptidomics: A Review of Clinical Applications and Methodologies. Journal of Proteome Research, 2021, 20, 3782-3797.	3.7	40
133	Nutrient-Induced Cellular Mechanisms of Gut Hormone Secretion. Nutrients, 2021, 13, 883.	4.1	39
134	The role of gut endocrine cells in control of metabolism and appetite. Experimental Physiology, 2014, 99, 1116-1120.	2.0	38
135	Characterisation of new KATP-channel mutations associated with congenital hyperinsulinism in the Finnish population. Diabetologia, 2003, 46, 241-249.	6.3	35
136	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
137	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
138	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
139	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
140	Peptidomic analysis of endogenous plasma peptides from patients with pancreatic neuroendocrine tumours. Rapid Communications in Mass Spectrometry, 2018, 32, 1414-1424.	1.5	32
141	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
142	RD Lawrence Lecture 2008 Targeting GLPâ€1 release as a potential strategy for the therapy of Type 2 diabetes. Diabetic Medicine, 2008, 25, 889-894.	2.3	30
143	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
144	Synaptic Inputs to the Mouse Dorsal Vagal Complex and Its Resident Preproglucagon Neurons. Journal of Neuroscience, 2019, 39, 9767-9781.	3.6	30

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145	Heteromeric channel formation and Ca2+-free media reduce the toxic effect of theweaverKir3.2 allele. FEBS Letters, 1996, 390, 253-257.	2.8	28
146	Models and Tools for Studying Enteroendocrine Cells. Endocrinology, 2018, 159, 3874-3884.	2.8	28
147	A higher power for insulin. Nature, 2005, 434, 965-966.	27.8	27
148	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
149	Spinally projecting preproglucagon axons preferentially innervate sympathetic preganglionic neurons. Neuroscience, 2015, 284, 872-887.	2.3	27
150	Gut Hormone Regulation and Secretion via FFA1 and FFA4. Handbook of Experimental Pharmacology, 2016, 236, 181-203.	1.8	26
151	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
152	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
153	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
154	Angiotensin II Type 1 Receptor-Dependent GLP-1 and PYY Secretion in Mice and Humans. Endocrinology, 2016, 157, 3821-3831.	2.8	25
155	Distribution and Stimulus Secretion Coupling of Enteroendocrine Cells along the Intestinal Tract. , 2018, 8, 1603-1638.		25
156	Essential Role of Syntaxin-Binding Protein-1 in the Regulation of Glucagon-Like Peptide-1 Secretion. Endocrinology, 2020, 161, .	2.8	25
157	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
158	Î±_{2A}-Adrenergic Receptors and Type 2 Diabetes. New England Journal of Medicine, 2010, 362, 361-362.	27.0	24
159	Role of phosphodiesterase and adenylate cyclase isozymes in murine colonic glucagonâ€like peptide 1 secreting cells. British Journal of Pharmacology, 2011, 163, 261-271.	5.4	24
160	Role of enteroendocrine Lâ€cells in arginine vasopressinâ€mediated inhibition of colonic anion secretion. Journal of Physiology, 2016, 594, 4865-4878.	2.9	24
161	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
162	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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163	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
164	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
165	The effect of encapsulated glutamine on gut peptide secretion in human volunteers. Peptides, 2016, 77, 38-46.	2.4	22
166	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
167	Development and characterisation of a novel glucagon like peptide-1 receptor antibody. Diabetologia, 2018, 61, 711-721.	6.3	22
168	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
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