

Christopher J Rhodes

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,514
citations

430442

18
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

3122
citing authors

#	ARTICLE	IF	CITATIONS
1	Type 2 Diabetes-a Matter of β -Cell Life and Death?. <i>Science</i> , 2005, 307, 380-384.	6.0	828
2	Intraorganellar calcium and pH control proinsulin cleavage in the pancreatic β cell via two distinct site-specific endopeptidases. <i>Nature</i> , 1988, 333, 93-96.	13.7	428
3	Regulated Autophagy Controls Hormone Content in Secretory-Deficient Pancreatic Endocrine β -Cells. <i>Molecular Endocrinology</i> , 2007, 21, 2255-2269.	3.7	163
4	The dynamic plasticity of insulin production in β -cells. <i>Molecular Metabolism</i> , 2017, 6, 958-973.	3.0	133
5	Resolution of NASH and hepatic fibrosis by the GLP-1R and GCGR dual-agonist cotadutide via modulating mitochondrial function and lipogenesis. <i>Nature Metabolism</i> , 2020, 2, 413-431.	5.1	131
6	Insulin Secretory Deficiency and Glucose Intolerance in Rab3A Null Mice. <i>Journal of Biological Chemistry</i> , 2003, 278, 9715-9721.	1.6	110
7	Loss of neurotensin receptor-1 disrupts the control of the mesolimbic dopamine system by leptin and promotes hedonic feeding and obesity. <i>Molecular Metabolism</i> , 2013, 2, 423-434.	3.0	103
8	Pancreatic β -Cell Adaptive Plasticity in Obesity Increases Insulin Production but Adversely Affects Secretory Function. <i>Diabetes</i> , 2016, 65, 438-450.	0.3	88
9	Calcitonin Receptor Neurons in the Mouse Nucleus Tractus Solitarius Control Energy Balance via the Non-aversive Suppression of Feeding. <i>Cell Metabolism</i> , 2020, 31, 301-312.e5.	7.2	68
10	Specific Glucose-Induced Control of Insulin Receptor Substrate-2 Expression Is Mediated via Ca ²⁺ -Dependent Calcineurin/NFAT Signaling in Primary Pancreatic Islet β -Cells. <i>Diabetes</i> , 2011, 60, 2892-2902.	0.3	60
11	A genetic map of the mouse dorsal vagal complex and its role in obesity. <i>Nature Metabolism</i> , 2021, 3, 530-545.	5.1	60
12	SORCS1 is necessary for normal insulin secretory granule biogenesis in metabolically stressed β cells. <i>Journal of Clinical Investigation</i> , 2014, 124, 4240-4256.	3.9	53
13	Leptin receptor-expressing nucleus tractus solitarius neurons suppress food intake independently of GLP1 in mice. <i>JCI Insight</i> , 2020, 5, .	2.3	44
14	Pancreatic β -Cell Rest Replenishes Insulin Secretory Capacity and Attenuates Diabetes in an Extreme Model of Obese Type 2 Diabetes. <i>Diabetes</i> , 2019, 68, 131-140.	0.3	37
15	Nonalcoholic steatohepatitis severity is defined by a failure in compensatory antioxidant capacity in the setting of mitochondrial dysfunction. <i>World Journal of Gastroenterology</i> , 2018, 24, 1748-1765.	1.4	37
16	Combined loss of GLP-1R and Y2R does not alter progression of high-fat diet-induced obesity or response to RYGB surgery in mice. <i>Molecular Metabolism</i> , 2019, 25, 64-72.	3.0	31
17	Essential Role for Hypothalamic Calcitonin Receptor-Expressing Neurons in the Control of Food Intake by Leptin. <i>Endocrinology</i> , 2018, 159, 1860-1872.	1.4	29
18	A fluorescent timer reporter enables sorting of insulin secretory granules by age. <i>Journal of Biological Chemistry</i> , 2020, 295, 8901-8911.	1.6	22

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19	Characterization of Signaling Pathways Associated with Pancreatic β -cell Adaptive Flexibility in Compensation of Obesity-linked Diabetes in db/db Mice. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 971-993.	2.5	22
20	β -Cell Control of Insulin Production During Starvation-Refeeding in Male Rats. <i>Endocrinology</i> , 2018, 159, 895-906.	1.4	20
21	Proteomic Analysis of Restored Insulin Production and Trafficking in Obese Diabetic Mouse Pancreatic Islets Following Euglycemia. <i>Journal of Proteome Research</i> , 2019, 18, 3245-3258.	1.8	19
22	NTS Prlh overcomes orexigenic stimuli and ameliorates dietary and genetic forms of obesity. <i>Nature Communications</i> , 2021, 12, 5175.	5.8	15
23	Peptide-YY3-36/glucagon-like peptide-1 combination treatment of obese diabetic mice improves insulin sensitivity associated with recovered pancreatic β -cell function and synergistic activation of discrete hypothalamic and brainstem neuronal circuitries. <i>Molecular Metabolism</i> , 2022, 55, 101392.	3.0	10
24	Calcineurin/NFATc2 and PI3K/AKT signaling maintains β -cell identity and function during metabolic and inflammatory stress. <i>IScience</i> , 2022, 25, 104125.	1.9	3