Mark O Huising

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5551329/publications.pdf

Version: 2024-02-01

62	4,510	109264	123376
papers	citations	35 h-index	61 g-index

71	71	71	5273
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comprehensive alpha, beta and delta cell transcriptomes reveal that ghrelin selectively activates delta cells and promotes somatostatin release from pancreatic islets. Molecular Metabolism, 2016, 5, 449-458.	3.0	258
2	The transcriptional landscape of mouse beta cells compared to human beta cells reveals notable species differences in long non-coding RNA and protein-coding gene expression. BMC Genomics, 2014, 15, 620.	1.2	235
3	CRF and stress in fish. General and Comparative Endocrinology, 2006, 146, 36-44.	0.8	206
4	Increased Leptin Expression in Common Carp (Cyprinus carpio) after Food Intake But Not after Fasting or Feeding to Satiation. Endocrinology, 2006, 147, 5786-5797.	1.4	205
5	Phylogeny and evolution of class-I helical cytokines. Journal of Endocrinology, 2006, 189, 1-25.	1.2	202
6	Urocortin3 mediates somatostatin-dependent negative feedback control of insulin secretion. Nature Medicine, 2015, 21, 769-776.	15.2	202
7	TRPV1 Pain Receptors Regulate Longevity and Metabolism by Neuropeptide Signaling. Cell, 2014, 157, 1023-1036.	13.5	195
8	Two divergent leptin paralogues in zebrafish (Danio rerio) that originate early in teleostean evolution. Journal of Endocrinology, 2009, 201, 329-339.	1.2	185
9	Virgin Beta Cells Persist throughout Life at a Neogenic Niche within Pancreatic Islets. Cell Metabolism, 2017, 25, 911-926.e6.	7.2	172
10	The somatostatin-secreting pancreatic Î´-cell in health and disease. Nature Reviews Endocrinology, 2018, 14, 404-414.	4.3	164
11	The molecular evolution of the interleukin-1 family of cytokines; IL-18 in teleost fish. Developmental and Comparative Immunology, 2004, 28, 395-413.	1.0	153
12	Neuroendocrineâ€“immune interactions in fish: a role for interleukin-1. Veterinary Immunology and Immunopathology, 2002, 87, 467-479.	0.5	145
13	Pseudotemporal Ordering of Single Cells Reveals Metabolic Control of Postnatal Î² Cell Proliferation. Cell Metabolism, 2017, 25, 1160-1175.e11.	7.2	128
14	CXC chemokines and leukocyte chemotaxis in common carp (Cyprinus carpio L.). Developmental and Comparative Immunology, 2003, 27, 875-888.	1.0	114
15	Molecular evolution of CXC chemokines: extant CXC chemokines originate from the CNS. Trends in Immunology, 2003, 24, 306-312.	2.9	108
16	Role of transcription factors in the transdifferentiation of pancreatic islet cells. Journal of Molecular Endocrinology, 2015, 54, R103-R117.	1.1	98
17	Urocortin 3 Marks Mature Human Primary and Embryonic Stem Cell-Derived Pancreatic Alpha and Beta Cells. PLoS ONE, 2012, 7, e52181.	1.1	92
18	Three novel carp CXC chemokines are expressed early in ontogeny and at nonimmune sites. FEBS Journal, 2004, 271, 4094-4106.	0.2	86

#	Article	IF	Citations
19	Artemether Does Not Turn Î± Cells into Î² Cells. Cell Metabolism, 2018, 27, 218-225.e4.	7.2	83
20	Integrating the inputs that shape pancreatic islet hormone release. Nature Metabolism, 2019, 1, 1189-1201.	5.1	82
21	Central and peripheral interleukin-1Î² and interleukin-1 receptor I expression and their role in the acute stress response of common carp, Cyprinus carpio L.. Journal of Endocrinology, 2006, 191, 25-35.	1.2	79
22	Increased efficacy of immersion vaccination in fish with hyperosmotic pretreatment. Vaccine, 2003, 21, 4178-4193.	1.7	78
23	CRFR1 is expressed on pancreatic Î² cells, promotes Î² cell proliferation, and potentiates insulin secretion in a glucose-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 912-917.	3.3	77
24	Navigating the Depths and Avoiding the Shallows of Pancreatic Islet Cell Transcriptomes. Diabetes, 2019, 68, 1380-1393.	0.3	73
25	Recombinant human leptin attenuates stress axis activity in common carp (Cyprinus carpio L.). General and Comparative Endocrinology, 2012, 178, 75-81.	0.8	68
26	The presence of multiple and differentially regulated interleukin-12p40 genes in bony fishes signifies an expansion of the vertebrate heterodimeric cytokine family. Molecular Immunology, 2006, 43, 1519-1533.	1.0	67
27	Multiple and highly divergent IL-11 genes in teleost fish. Immunogenetics, 2005, 57, 432-443.	1.2	64
28	The Remarkable Conservation of Corticotropin-Releasing Hormone (CRH)-Binding Protein in the Honeybee (Apis mellifera) Dates the CRH System to a Common Ancestor of Insects and Vertebrates. Endocrinology, 2005, 146, 2165-2170.	1.4	63
29	Rag expression identifies B and T cell lymphopoietic tissues during the development of common carp (Cyprinus carpio). Developmental and Comparative Immunology, 2005, 29, 1033-1047.	1.0	63
30	Real-time gene expression analysis in carp (Cyprinus carpio L.) skin: Inflammatory responses to injury mimicking infection with ectoparasites. Developmental and Comparative Immunology, 2007, 31, 244-254.	1.0	62
31	CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep. Scientific Reports, 2017, 7, 17472.	1.6	61
32	Analysis of Purified Pancreatic Islet Beta and Alpha Cell Transcriptomes Reveals 11Î²-Hydroxysteroid Dehydrogenase (Hsd11b1) as a Novel Disallowed Gene. Frontiers in Genetics, 2017, 08, 41.	1.1	60
33	Paracrine regulation of insulin secretion. Diabetologia, 2020, 63, 2057-2063.	2.9	50
34	Localization, expression and control of adrenocorticotropic hormone in the nucleus preopticus and pituitary gland of common carp (Cyprinus carpio L.). Journal of Endocrinology, 2004, 182, 23-31.	1.2	41
35	Maturation of Stem Cell-Derived Beta-cells Guided by the Expression of Urocortin 3. Review of Diabetic Studies, 2014, 11, 115-132.	0.5	40
36	STAT genes display differential evolutionary rates that correlate with their roles in the endocrine and immune system. Journal of Endocrinology, 2011, 209, 175-184.	1.2	37

#	Article	IF	Citations
37	The Difference Î´-Cells Make in Glucose Control. Physiology, 2018, 33, 403-411.	1.6	35
38	Residues of Corticotropin Releasing Factor-binding Protein (CRF-BP) That Selectively Abrogate Binding to CRF but Not to Urocortin 1. Journal of Biological Chemistry, 2008, 283, 8902-8912.	1.6	33
39	Corticotropin-releasing factor-binding protein (CRF-BP) inhibits CRF- and urotensin-I-mediated activation of CRF receptor-1 and -2 in common carp. General and Comparative Endocrinology, 2014, 202, 69-75.	0.8	29
40	Hepatic Insulin Resistance Following Chronic Activation of the CREB Coactivator CRTC2. Journal of Biological Chemistry, 2015, 290, 25997-26006.	1.6	26
41	Mosaicism diminishes the value of pre-implantation embryo biopsies for detecting CRISPR/Cas9 induced mutations in sheep. Transgenic Research, 2018, 27, 525-537.	1.3	24
42	Corticotropin-releasing factor (CRF) and CRF-binding protein expression in and release from the head kidney of common carp: evolutionary conservation of the adrenal CRF system. Journal of Endocrinology, 2007, 193, 349-357.	1.2	22
43	Free fatty acid receptor 4 inhibitory signaling in delta cells regulates islet hormone secretion in mice. Molecular Metabolism, 2021, 45, 101166.	3.0	20
44	Control of Voltage-gated Potassium Channel Kv2.2 Expression by Pyruvate-Isocitrate Cycling Regulates Glucose-stimulated Insulin Secretion. Journal of Biological Chemistry, 2013, 288, 23128-23140.	1.6	19
45	IAPP-induced beta cell stress recapitulates the islet transcriptome in type 2 diabetes. Diabetologia, 2022, 65, 173-187.	2.9	19
46	Restoring normal islet mass and function in type 1 diabetes through regenerative medicine and tissue engineering. Lancet Diabetes and Endocrinology,the, 2021, 9, 708-724.	5.5	19
47	CRFR1 activation protects against cytokine-induced Î²-cell death. Journal of Molecular Endocrinology, 2014, 53, 417-427.	1.1	15
48	Cardiac CRFR1 Expression Is Elevated in Human Heart Failure and Modulated by Genetic Variation and Alternative Splicing. Endocrinology, 2016, 157, 4865-4874.	1.4	14
49	Heterogeneity of Diabetes: Î²-Cells, Phenotypes, and Precision Medicine: Proceedings of an International Symposium of the Canadian Institutes of Health Researchâ€™s Institute of Nutrition, Metabolism and Diabetes and the U.S. National Institutes of Healthâ€™s National Institute of Diabetes and Digestive and Kidney Diseases. Diabetes Care, 2022, 45, 3-22.	4.3	14
50	Evidence for a Neogenic Niche at the Periphery of Pancreatic Islets. BioEssays, 2018, 40, e1800119.	1.2	13
51	Overproduction of corticotropin-releasing hormone blocks germinal center formation: role of corticosterone and impaired follicular dendritic cell networks. Journal of Neuroimmunology, 2004, 156, 31-41.	1.1	12
52	Regulation of the Stress Response in Early Vertebrates. Annals of the New York Academy of Sciences, 2005, 1040, 345-347.	1.8	12
53	Genetic deletion of Urocortin 3 does not prevent functional maturation of beta cells. Journal of Endocrinology, 2020, 246, 69-78.	1.2	12
54	Loss of sympathetic innervation to islets of Langerhans in canine diabetes and pancreatitis is not associated with insulitis. Scientific Reports, 2020, 10, 19187.	1.6	11

#	Article	IF	Citations
55	Virgin Î²-Cells at the Neogenic Niche Proliferate Normally and Mature Slowly. Diabetes, 2021, 70, 1070-1083.	0.3	11
56	Î²-Cell Succinate Dehydrogenase Deficiency Triggers Metabolic Dysfunction and Insulinopenic Diabetes. Diabetes, 2022, 71, 1439-1453.	0.3	8
57	Urocortin3: Local inducer of somatostatin release and bellwether of beta cell maturity. Peptides, 2022, 151, 170748.	1.2	7
58	Genetic deficiency or pharmacological inhibition of soluble epoxide hydrolase ameliorates high fat diet-induced pancreatic Î²-cell dysfunction and loss. Free Radical Biology and Medicine, 2021, 172, 48-57.	1.3	5
59	Data-Driven Synthesis of Proteolysis-Resistant Peptide Hormones. Journal of the American Chemical Society, 2014, 136, 17710-17713.	6.6	4
60	Response to Shields: Molecular evolution of CXC chemokines and receptors. Trends in Immunology, 2003, 24, 356-357.	2.9	3
61	Tuning to the right signal. Diabetologia, 2015, 58, 1146-1148.	2.9	2
62	Temporal coding of ERK signalling in Î²-cells. Nature Reviews Endocrinology, 2021, 17, 517-518.	4.3	0