Kyoung-Han Kim

List of Publications by Year
in descending order

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30	3,836	394421	454955
papers	citations	19 h-index	30 g-index

31	31	31	8738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	FTO Obesity Variant Circuitry and Adipocyte Browning in Humans. New England Journal of Medicine, 2015, 373, 895-907.	27.0	1,105
2	Obesity-associated variants within FTO form long-range functional connections with IRX3. Nature, 2014, 507, 371-375.	27.8	1,079
3	The Homeodomain Transcription Factor Irx5 Establishes the Mouse Cardiac Ventricular Repolarization Gradient. Cell, 2005, 123, 347-358.	28.9	233
4	Glucagon-Like Peptide (GLP)-1(9-36)Amide-Mediated Cytoprotection Is Blocked by Exendin(9-39) Yet Does Not Require the Known GLP-1 Receptor. Endocrinology, 2010, 151, 1520-1531.	2.8	194
5	MEK-ERK pathway modulation ameliorates disease phenotypes in a mouse model of Noonan syndrome associated with the Raf1L613V mutation. Journal of Clinical Investigation, 2011, 121, 1009-1025.	8.2	184
6	Intermittent fasting promotes adipose thermogenesis and metabolic homeostasis via VEGF-mediated alternative activation of macrophage. Cell Research, 2017, 27, 1309-1326.	12.0	148
7	PI3KÎ³ is required for NMDA receptorâ€“dependent long-term depression and behavioral flexibility. Nature Neuroscience, 2011, 14, 1447-1454.	14.8	126
8	Iroquois homeobox gene 3 establishes fast conduction in the cardiac Hisâ€“Purkinje network. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13576-13581.	7.1	109
9	Erythropoietin Protects against Doxorubicin-Induced Cardiomyopathy via a Phosphatidylinositol 3-Kinase-Dependent Pathway. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 160-169.	2.5	102
10	Single cell and genetic analyses reveal conserved populations and signaling mechanisms of gastrointestinal stromal niches. Nature Communications, 2020, 11, 334.	12.8	73
11	Cooperative and antagonistic roles for Irx3 and Irx5 in cardiac morphogenesis and postnatal physiology. Development (Cambridge), 2012, 139, 4007-4019.	2.5	66
12	Iroquois Homeodomain Transcription Factors in Heart Development and Function. Circulation Research, 2012, 110, 1513-1524.	4.5	63
13	Constitutively active calcineurin induces cardiac endoplasmic reticulum stress and protects against apoptosis that is mediated by Î±-crystallin-B. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18481-18486.	7.1	56
14	Irx3 is required for postnatal maturation of the mouse ventricular conduction system. Scientific Reports, 2016, 6, 19197.	3.3	42
15	Increased BRAF Heterodimerization Is the Common Pathogenic Mechanism for Noonan Syndrome-Associated RAF1 Mutants. Molecular and Cellular Biology, 2012, 32, 3872-3890.	2.3	35
16	Dissection of the voltage-activated potassium outward currents in adult mouse ventricular myocytes: I to,f, I to,s, I K,slow1, I K,slow2, and I ss. Basic Research in Cardiology, 2011, 106, 189-204.	5.9	33
17	Physiological roles of the transient outward current i I i sub to sub in normal and diseased hearts. Frontiers in Bioscience - Scholar, 2016, 8, 143-159.	2.1	28
18	Hmgcs2-mediated ketogenesis modulates high-fat diet-induced hepatosteatosis. Molecular Metabolism, 2022, 61, 101494.	6.5	28

#	Article	IF	Citations
19	Innate Immune Nod1/RIP2 Signaling Is Essential for Cardiac Hypertrophy but Requires Mitochondrial Antiviral Signaling Protein for Signal Transductions and Energy Balance. Circulation, 2020, 142, 2240-2258.	1.6	26
20	Thermogenesis-independent metabolic benefits conferred by isocaloric intermittent fasting in ob/ob mice. Scientific Reports, 2019, 9, 2479.	3.3	22
21	Understanding Dietary Intervention-Mediated Epigenetic Modifications in Metabolic Diseases. Frontiers in Genetics, 2020, 11, 590369.	2.3	19
22	Irx3 and Irx5 in Ins2-Cre+ cells regulate hypothalamic postnatal neurogenesis and leptin response. Nature Metabolism, 2021, 3, 701-713.	11.9	18
23	Kv4.3-Encoded Fast Transient Outward Current Is Presented in Kv4.2 Knockout Mouse Cardiomyocytes. PLoS ONE, 2015, 10, e0133274.	2.5	12
24	Transcriptomic Bioinformatic Analyses of Atria Uncover Involvement of Pathways Related to Strain and Post-translational Modification of Collagen in Increased Atrial Fibrillation Vulnerability in Intensely Exercised Mice. Frontiers in Physiology, 2020, 11, 605671.	2.8	8
25	Quantification of murine myocardial infarct size using 2-D and 4-D high-frequency ultrasound. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H359-H372.	3.2	7
26	The impact of sex hormones on genital wound healing in mice: a comparative study. Journal of Pediatric Urology, 2019, 15, 635-641.	1.1	6
27	Assessment of the Metabolic Effects of Isocaloric 2:1 Intermittent Fasting in Mice. Journal of Visualized Experiments, 2019, , .	0.3	6
28	Ectopic expression of Irx3 and Irx5 in the paraventricular nucleus of the hypothalamus contributes to defects in Sim1 haploinsufficiency. Science Advances, 2021, 7, eabh4503.	10.3	5
29	Understanding the role of Iroquois homeobox transcription factor 5 (IRX5) in cardiac function: getting to the (human) heart of the matter. Cardiovascular Research, 2021, 117, 1989-1991.	3.8	1
30	Irx5 and transient outward K⁺ currents contribute to transmural contractile heterogeneities in the mouse ventricle. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H725-H741.	3.2	1