

# Kyoung-Han Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

3,836  
citations

394421

19  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

8738  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Ir5 and transient outward K <sup>+</sup> 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
3	Hmgcs2-mediated ketogenesis modulates high-fat diet-induced hepatosteatosis. Molecular Metabolism, 2022, 61, 101494.	6.5	28
4	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
5	Ir3 and Ir5 in Ins2-Cre <sup>+</sup> cells regulate hypothalamic postnatal neurogenesis and leptin response. Nature Metabolism, 2021, 3, 701-713.	11.9	18
6	Ectopic expression of Ir3 and Ir5 in the paraventricular nucleus of the hypothalamus contributes to defects in Sim1 haploinsufficiency. Science Advances, 2021, 7, eabh4503.	10.3	5
7	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
8	Understanding Dietary Intervention-Mediated Epigenetic Modifications in Metabolic Diseases. Frontiers in Genetics, 2020, 11, 590369.	2.3	19
9	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
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	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
12	Thermogenesis-independent metabolic benefits conferred by isocaloric intermittent fasting in ob/ob mice. Scientific Reports, 2019, 9, 2479.	3.3	22
13	Assessment of the Metabolic Effects of Isocaloric 2:1 Intermittent Fasting in Mice. Journal of Visualized Experiments, 2019, , .	0.3	6
14	Intermittent fasting promotes adipose thermogenesis and metabolic homeostasis via VEGF-mediated alternative activation of macrophage. Cell Research, 2017, 27, 1309-1326.	12.0	148
15	Physiological roles of the transient outward current I <sub>to</sub> in normal and diseased hearts. Frontiers in Bioscience - Scholar, 2016, 8, 143-159.	2.1	28
16	Ir3 is required for postnatal maturation of the mouse ventricular conduction system. Scientific Reports, 2016, 6, 19197.	3.3	42
17	FTO Obesity Variant Circuitry and Adipocyte Browning in Humans. New England Journal of Medicine, 2015, 373, 895-907.	27.0	1,105
18	Kv4.3-Encoded Fast Transient Outward Current Is Presented in Kv4.2 Knockout Mouse Cardiomyocytes. PLoS ONE, 2015, 10, e0133274.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Obesity-associated variants within FTO form long-range functional connections with IRX3. <i>Nature</i> , 2014, 507, 371-375.	27.8	1,079
20	Increased BRAF Heterodimerization Is the Common Pathogenic Mechanism for Noonan Syndrome-Associated <i>RAF1</i> Mutants. <i>Molecular and Cellular Biology</i> , 2012, 32, 3872-3890.	2.3	35
21	Cooperative and antagonistic roles for <i>Ir3</i> and <i>Ir5</i> in cardiac morphogenesis and postnatal physiology. <i>Development (Cambridge)</i> , 2012, 139, 4007-4019.	2.5	66
22	<i>Iroquois</i> Homeodomain Transcription Factors in Heart Development and Function. <i>Circulation Research</i> , 2012, 110, 1513-1524.	4.5	63
23	PI3K $\beta$ is required for NMDA receptor-dependent long-term depression and behavioral flexibility. <i>Nature Neuroscience</i> , 2011, 14, 1447-1454.	14.8	126
24	Dissection of the voltage-activated potassium outward currents in adult mouse ventricular myocytes: <i>I<sub>to,f</sub></i> , <i>I<sub>to,s</sub></i> , <i>I<sub>K,slow1</sub></i> , <i>I<sub>K,slow2</sub></i> , and <i>I<sub>ss</sub></i> . <i>Basic Research in Cardiology</i> , 2011, 106, 189-204.	5.9	33
25	<i>Iroquois</i> homeobox gene 3 establishes fast conduction in the cardiac His-Purkinje network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13576-13581.	7.1	109
26	MEK-ERK pathway modulation ameliorates disease phenotypes in a mouse model of Noonan syndrome associated with the <i>Raf1</i> L613V mutation. <i>Journal of Clinical Investigation</i> , 2011, 121, 1009-1025.	8.2	184
27	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. <i>Endocrinology</i> , 2010, 151, 1520-1531.	2.8	194
28	Constitutively active calcineurin induces cardiac endoplasmic reticulum stress and protects against apoptosis that is mediated by $\beta$ -crystallin-B. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18481-18486.	7.1	56
29	Erythropoietin Protects against Doxorubicin-Induced Cardiomyopathy via a Phosphatidylinositol 3-Kinase-Dependent Pathway. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 160-169.	2.5	102
30	The Homeodomain Transcription Factor <i>Ir5</i> Establishes the Mouse Cardiac Ventricular Repolarization Gradient. <i>Cell</i> , 2005, 123, 347-358.	28.9	233