

Leonid V Zingman

List of Publications by Year in descending order

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43
papers

4,029
citations

218677

26
h-index

265206

42
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46
all docs

46
docs citations

46
times ranked

4401
citing authors

#	ARTICLE	IF	CITATIONS
1	Kv1.5 channelopathy due to KCNA5 loss-of-function mutation causes human atrial fibrillation. Human Molecular Genetics, 2006, 15, 2185-2191.	2.9	446
2	Stem cell differentiation requires a paracrine pathway in the heart. FASEB Journal, 2002, 16, 1558-1566.	0.5	442
3	ABCC9 mutations identified in human dilated cardiomyopathy disrupt catalytic KATP channel gating. Nature Genetics, 2004, 36, 382-387.	21.4	342
4	Atrial Natriuretic Peptide Frameshift Mutation in Familial Atrial Fibrillation. New England Journal of Medicine, 2008, 359, 158-165.	27.0	300
5	Kir6.2 is required for adaptation to stress. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13278-13283.	7.1	279
6	Cardiopoietic programming of embryonic stem cells for tumor-free heart repair. Journal of Experimental Medicine, 2007, 204, 405-420.	8.5	229
7	Stable benefit of embryonic stem cell therapy in myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H471-H479.	3.2	212
8	Signaling in Channel/Enzyme Multimers. Neuron, 2001, 31, 233-245.	8.1	183
9	KATP channel mutation confers risk for vein of Marshall adrenergic atrial fibrillation. Nature Clinical Practice Cardiovascular Medicine, 2007, 4, 110-116.	3.3	159
10	Musclin is an activity-stimulated myokine that enhances physical endurance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 16042-16047.	7.1	144
11	Inhibition of MCU forces extramitochondrial adaptations governing physiological and pathological stress responses in heart. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9129-9134.	7.1	140
12	Coupling of Cell Energetics with Membrane Metabolic Sensing. Journal of Biological Chemistry, 2002, 277, 24427-24434.	3.4	134
13	ATP-sensitive potassium channels: metabolic sensing and cardioprotection. Journal of Applied Physiology, 2007, 103, 1888-1893.	2.5	103
14	Critical roles of junctophilin-2 in T-tubule and excitation-contraction coupling maturation during postnatal development. Cardiovascular Research, 2013, 100, 54-62.	3.8	89
15	Cellular remodeling in heart failure disrupts KATP channel-dependent stress tolerance. EMBO Journal, 2003, 22, 1732-1742.	7.8	85
16	ATP-sensitive K channel channel/enzyme multimer: Metabolic gating in the heart. Journal of Molecular and Cellular Cardiology, 2005, 38, 895-905.	1.9	85
17	Tandem Function of Nucleotide Binding Domains Confers Competence to Sulfonylurea Receptor in Gating ATP-sensitive K ⁺ Channels. Journal of Biological Chemistry, 2002, 277, 14206-14210.	3.4	77
18	Liver Derived FGF21 Maintains Core Body Temperature During Acute Cold Exposure. Scientific Reports, 2019, 9, 630.	3.3	63

#	ARTICLE	IF	CITATIONS
19	Sarcolemmal ATP-Sensitive K ⁺ Channels Control Energy Expenditure Determining Body Weight. <i>Cell Metabolism</i> , 2010, 11, 58-69.	16.2	61
20	Impaired skeletal muscle mitochondrial pyruvate uptake rewires glucose metabolism to drive whole-body leanness. <i>ELife</i> , 2019, 8, .	6.0	54
21	Exercise-induced expression of cardiac ATP-sensitive potassium channels promotes action potential shortening and energy conservation. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 72-81.	1.9	52
22	Musclin, A Myokine Induced by Aerobic Exercise, Retards Muscle Atrophy During Cancer Cachexia in Mice. <i>Cancers</i> , 2019, 11, 1541.	3.7	45
23	Administration of Allogenic Stem Cells Dosed to Secure Cardiogenesis and Sustained Infarct Repair. <i>Annals of the New York Academy of Sciences</i> , 2005, 1049, 189-198.	3.8	34
24	Endocannabinoid Receptor-1 and Sympathetic Nervous System Mediate the Beneficial Metabolic Effects of Gastric Bypass. <i>Cell Reports</i> , 2020, 33, 108270.	6.4	31
25	Calmodulin Kinase II Inhibition Enhances Ischemic Preconditioning by Augmenting ATP-Sensitive K ⁺ Current. <i>Channels</i> , 2007, 1, 387-394.	2.8	28
26	Two structurally distinct and spatially compartmentalized adenylate kinases are expressed from the AK1 gene in mouse brain. <i>Molecular and Cellular Biochemistry</i> , 2004, 256, 59-72.	3.1	27
27	Sarcolemmal ATP-sensitive potassium channels modulate skeletal muscle function under low-intensity workloads. <i>Journal of General Physiology</i> , 2014, 143, 119-134.	1.9	24
28	Neuroanatomical organization and functional roles of PVN MC4R pathways in physiological and behavioral regulations. <i>Molecular Metabolism</i> , 2022, 55, 101401.	6.5	21
29	Regulation of Cardiac ATP-sensitive Potassium Channel Surface Expression by Calcium/Calmodulin-dependent Protein Kinase II. <i>Journal of Biological Chemistry</i> , 2013, 288, 1568-1581.	3.4	20
30	Reduction in number of sarcolemmal KATP channels slows cardiac action potential duration shortening under hypoxia. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 637-641.	2.1	19
31	BBSome ablation in SF1 neurons causes obesity without comorbidities. <i>Molecular Metabolism</i> , 2021, 48, 101211.	6.5	15
32	Morpholino-driven gene editing: A new horizon for disease treatment and prevention. <i>Clinical Pharmacology and Therapeutics</i> , 2016, 99, 21-25.	4.7	12
33	Targeted Disruption of K ⁺ Channels Aggravates Cardiac Toxicity in Cocaine Abuse. <i>Clinical and Translational Science</i> , 2009, 2, 361-365.	3.1	11
34	Pdgfr β -Cre mediated knockout of the aryl hydrocarbon receptor protects mice from high-fat diet induced obesity and hepatic steatosis. <i>PLoS ONE</i> , 2020, 15, e0236741.	2.5	11
35	ADH5-mediated NO bioactivity maintains metabolic homeostasis in brown adipose tissue. <i>Cell Reports</i> , 2021, 37, 110003.	6.4	10
36	Title is missing!. <i>Journal of Muscle Research and Cell Motility</i> , 2003, 24, 271-276.	2.0	9

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37	Disruption of KATP Channel Expression in Skeletal Muscle by Targeted Oligonucleotide Delivery Promotes Activity-linked Thermogenesis. <i>Molecular Therapy</i> , 2015, 23, 707-716.	8.2	8
38	Disruption of ATP-sensitive potassium channel function in skeletal muscles promotes production and secretion of myostatin. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 129-134.	2.1	8
39	Loss of ATP-Sensitive Potassium Channel Surface Expression in Heart Failure Underlies Dysregulation of Action Potential Duration and Myocardial Vulnerability to Injury. <i>PLoS ONE</i> , 2016, 11, e0151337.	2.5	7
40	Identity and function of cardiac KATP channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 433-435.	1.9	5
41	Commitment of embryonic stem cells toward a cardiac lineage: molecular mechanisms and evidence for a promising therapeutic approach for heart failure. <i>Journal of Muscle Research and Cell Motility</i> , 2003, 24, 269-74.	2.0	3
42	OUP accepted manuscript. <i>Europace</i> , 2021, , .	1.7	1
43	Cardiac ATP-Sensitive Potassium Channel: A Bi-Functional Channel/Enzyme Multimer. <i>Progress in Experimental Cardiology</i> , 2004, , 167-180.	0.0	0