

Kunfu Ouyang

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,695
citations

136950

32
h-index

102487

66
g-index

68
all docs

68
docs citations

68
times ranked

9612
citing authors

#	ARTICLE	IF	CITATIONS
1	A myocardial lineage derives from Tbx18 epicardial cells. <i>Nature</i> , 2008, 454, 104-108.	27.8	712
2	Superoxide Flashes in Single Mitochondria. <i>Cell</i> , 2008, 134, 279-290.	28.9	643
3	Conversion of mouse fibroblasts into cardiomyocytes using a direct reprogramming strategy. <i>Nature Cell Biology</i> , 2011, 13, 215-222.	10.3	587
4	Calcium flickers steer cell migration. <i>Nature</i> , 2009, 457, 901-905.	27.8	545
5	Direct Conversion of Fibroblasts to Neurons by Reprogramming PTB-Regulated MicroRNA Circuits. <i>Cell</i> , 2013, 152, 82-96.	28.9	508
6	In vivo cardiac reprogramming contributes to zebrafish heart regeneration. <i>Nature</i> , 2013, 498, 497-501.	27.8	229
7	Inositol-1,4,5-trisphosphate receptor regulates hepatic gluconeogenesis in fasting and diabetes. <i>Nature</i> , 2012, 485, 128-132.	27.8	169
8	Mouse and computational models link Mlc2v dephosphorylation to altered myosin kinetics in early cardiac disease. <i>Journal of Clinical Investigation</i> , 2012, 122, 1209-1221.	8.2	131
9	Obscurin determines the architecture of the longitudinal sarcoplasmic reticulum. <i>Journal of Cell Science</i> , 2009, 122, 2640-2650.	2.0	120
10	Targeted Ablation of Nesprin 1 and Nesprin 2 from Murine Myocardium Results in Cardiomyopathy, Altered Nuclear Morphology and Inhibition of the Biomechanical Gene Response. <i>PLoS Genetics</i> , 2014, 10, e1004114.	3.5	120
11	Imaging superoxide flash and metabolism-coupled mitochondrial permeability transition in living animals. <i>Cell Research</i> , 2011, 21, 1295-1304.	12.0	110
12	Loss-of-function mutations in co-chaperone BAG3 destabilize small HSPs and cause cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2017, 127, 3189-3200.	8.2	107
13	HIMF (Hypoxia-Induced Mitogenic Factor)-IL (Interleukin)-6 Signaling Mediates Cardiomyocyte-Fibroblast Crosstalk to Promote Cardiac Hypertrophy and Fibrosis. <i>Hypertension</i> , 2019, 73, 1058-1070.	2.7	104
14	Loss of Enigma Homolog Protein Results in Dilated Cardiomyopathy. <i>Circulation Research</i> , 2010, 107, 348-356.	4.5	90
15	Cardiac-specific ablation of Cypher leads to a severe form of dilated cardiomyopathy with premature death. <i>Human Molecular Genetics</i> , 2009, 18, 701-713.	2.9	88
16	Connexin defects underlie arrhythmogenic right ventricular cardiomyopathy in a novel mouse model. <i>Human Molecular Genetics</i> , 2014, 23, 1134-1150.	2.9	78
17	Repression of the Central Splicing Regulator RBFOX2 Is Functionally Linked to Pressure Overload-Induced Heart Failure. <i>Cell Reports</i> , 2015, 10, 1521-1533.	6.4	74
18	Brief Report: Oxidative Stress Mediates Cardiomyocyte Apoptosis in a Human Model of Danon Disease and Heart Failure. <i>Stem Cells</i> , 2015, 33, 2343-2350.	3.2	74

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19	Ca ²⁺ sparks and secretion in dorsal root ganglion neurons. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12259-12264.	7.1	65
20	Adipocyte-specific loss of PPAR β attenuates cardiac hypertrophy. JCI Insight, 2016, 1, e89908.	5.0	65
21	Deletion of heat shock protein 60 in adult mouse cardiomyocytes perturbs mitochondrial protein homeostasis and causes heart failure. Cell Death and Differentiation, 2020, 27, 587-600.	11.2	64
22	Type 1 IP3 receptors activate BKCa channels via local molecular coupling in arterial smooth muscle cells. Journal of General Physiology, 2010, 136, 283-291.	1.9	55
23	PLC μ , PKD1, and SSH1L Transduce RhoA Signaling to Protect Mitochondria from Oxidative Stress in the Heart. Science Signaling, 2013, 6, ra108.	3.6	54
24	Disruption of both nesprin 1 and desmin results in nuclear anchorage defects and fibrosis in skeletal muscle. Human Molecular Genetics, 2014, 23, 5879-5892.	2.9	52
25	IP3 receptors regulate vascular smooth muscle contractility and hypertension. JCI Insight, 2016, 1, e89402.	5.0	52
26	Loss of IP3R-dependent Ca ²⁺ signalling in thymocytes leads to aberrant development and acute lymphoblastic leukemia. Nature Communications, 2014, 5, 4814.	12.8	51
27	SPEG Controls Calcium Reuptake Into the Sarcoplasmic Reticulum Through Regulating SERCA2a by Its Second Kinase-Domain. Circulation Research, 2019, 124, 712-726.	4.5	43
28	Impairments in remote memory caused by the lack of Type 2 IP ₃ receptors. Glia, 2019, 67, 1976-1989.	4.9	41
29	Nexilin Is a New Component of Junctional Membrane Complexes Required for Cardiac T-Tubule Formation. Circulation, 2019, 140, 55-66.	1.6	41
30	Cypher/ZASP Is a Novel A-kinase Anchoring Protein. Journal of Biological Chemistry, 2013, 288, 29403-29413.	3.4	39
31	Normalization of Naxos plakoglobin levels restores cardiac function in mice. Journal of Clinical Investigation, 2015, 125, 1708-1712.	8.2	39
32	Selective deletion of long but not short Cypher isoforms leads to late-onset dilated cardiomyopathy. Human Molecular Genetics, 2011, 20, 1751-1762.	2.9	37
33	Cell-Surface Marker Signature for Enrichment of Ventricular Cardiomyocytes Derived from Human Embryonic Stem Cells. Stem Cell Reports, 2018, 11, 828-841.	4.8	37
34	A PKB-SPEG signaling nexus links insulin resistance with diabetic cardiomyopathy by regulating calcium homeostasis. Nature Communications, 2020, 11, 2186.	12.8	31
35	Loss of IP3 Receptor β -Mediated Ca ²⁺ Release in Mouse B Cells Results in Abnormal B Cell Development and Function. Journal of Immunology, 2017, 199, 570-580.	0.8	30
36	Inositol 1,4,5 β -Trisphosphate Receptors in Endothelial Cells Play an Essential Role in Vasodilation and Blood Pressure Regulation. Journal of the American Heart Association, 2019, 8, e011704.	3.7	28

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37	Flickering calcium microdomains signal turning of migrating cellsThis article is one of a selection of papers published in this special issue on Calcium Signaling.. Canadian Journal of Physiology and Pharmacology, 2010, 88, 105-110.	1.4	27
38	Epsin-mediated degradation of IP3R1 fuels atherosclerosis. Nature Communications, 2020, 11, 3984.	12.8	24
39	Heat Shock Protein 60 in Cardiovascular Physiology and Diseases. Frontiers in Molecular Biosciences, 2020, 7, 73.	3.5	24
40	HIMF deletion ameliorates acute myocardial ischemic injury by promoting macrophage transformation to reparative subtype. Basic Research in Cardiology, 2021, 116, 30.	5.9	24
41	Ca ²⁺ -induced Ca ²⁺ Release in Sensory Neurons. Journal of Biological Chemistry, 2005, 280, 15898-15902.	3.4	22
42	Cai et al. reply. Nature, 2009, 458, E9-E10.	27.8	22
43	Deficiency of PRKD2 triggers hyperinsulinemia and metabolic disorders. Nature Communications, 2018, 9, 2015.	12.8	19
44	P209L mutation in <i>Bag3</i> does not cause cardiomyopathy in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H392-H399.	3.2	18
45	No Contribution of IP ₃ -R(2) to Disease Phenotype in Models of Dilated Cardiomyopathy or Pressure Overload Hypertrophy. Circulation: Heart Failure, 2013, 6, 318-325.	3.9	17
46	IP3R-mediated Ca ²⁺ signals govern hematopoietic and cardiac divergence of Flk1 ⁺ cells via the calcineurin-NFATc3-Etv2 pathway. Journal of Molecular Cell Biology, 2017, 9, 274-288.	3.3	16
47	Heat shock protein 60 regulates yolk sac erythropoiesis in mice. Cell Death and Disease, 2019, 10, 766.	6.3	16
48	Cypher and Enigma Homolog Protein Are Essential for Cardiac Development and Embryonic Survival. Journal of the American Heart Association, 2015, 4, .	3.7	15
49	Inositol 1,4,5-trisphosphate receptors are essential for fetal-maternal connection and embryo viability. PLoS Genetics, 2020, 16, e1008739.	3.5	15
50	Nexilin Is Necessary for Maintaining the Transverse-Axial Tubular System in Adult Cardiomyocytes. Circulation: Heart Failure, 2020, 13, e006935.	3.9	14
51	Coupling switch of P2Y-IP3 receptors mediates differential Ca ²⁺ signaling in human embryonic stem cells and derived cardiovascular progenitor cells. Purinergic Signalling, 2016, 12, 465-478.	2.2	12
52	PTPMT1 Is Required for Embryonic Cardiac Cardiolipin Biosynthesis to Regulate Mitochondrial Morphogenesis and Heart Development. Circulation, 2021, 144, 403-406.	1.6	12
53	Conditioned stimulus presentations alter anxiety level in fear-conditioned mice. Molecular Brain, 2019, 12, 28.	2.6	11
54	Deletion of IP3R1 by Pdgfrb-Cre in mice results in intestinal pseudo-obstruction and lethality. Journal of Gastroenterology, 2019, 54, 407-418.	5.1	11

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55	Discovery of a highly efficient nitroaryl group for detection of nitroreductase and imaging of hypoxic tumor cells. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3469-3478.	2.8	10
56	Deficiency of Myeloid Pfkfb3 Protects Mice From Lung Edema and Cardiac Dysfunction in LPS-Induced Endotoxemia. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 745810.	2.4	9
57	Histone Lysine Methyltransferase SETD2 Regulates Coronary Vascular Development in Embryonic Mouse Hearts. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 651655.	3.7	8
58	Homozygous G650del nexilin variant causes cardiomyopathy in mice. <i>JCI Insight</i> , 2020, 5, .	5.0	7
59	Ca ²⁺ sparks and Ca ²⁺ glows in superior cervical ganglion neurons ¹ . <i>Acta Pharmacologica Sinica</i> , 2006, 27, 848-852.	6.1	6
60	Blockade of U50488H on potassium currents of acutely isolated mouse hippocampal CA3 pyramidal neurons. <i>Brain Research</i> , 2001, 897, 52-59.	2.2	5
61	Mitochondrial Chaperones and Proteases in Cardiomyocytes and Heart Failure. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 630332.	3.5	5
62	Identification and Validation of a Ferroptosis-Related Signature for Predicting Prognosis and Immune Microenvironment in Papillary Renal Cell Carcinoma. <i>International Journal of General Medicine</i> , 2022, Volume 15, 2963-2977.	1.8	5
63	Mediator complex proximal Tail subunit MED30 is critical for Mediator core stability and cardiomyocyte transcriptional network. <i>PLoS Genetics</i> , 2021, 17, e1009785.	3.5	4
64	Atypical protein kinase C is essential for embryonic vascular development in mice. <i>Genesis</i> , 2021, 59, e23412.	1.6	2
65	SETD2 is essential for terminal differentiation of erythroblasts during fetal erythropoiesis. <i>Biochemical and Biophysical Research Communications</i> , 2021, 552, 98-105.	2.1	1
66	IP3R-mediated Ca ²⁺ signaling controls B cell proliferation through metabolic reprogramming. <i>IScience</i> , 2022, 25, 104209.	4.1	1
67	GW27-e0274 MicroRNA181a regulates Osteopontin expression and cardiac fibrosis in mice. <i>Journal of the American College of Cardiology</i> , 2016, 68, C11.	2.8	0
68	Cardiac myocyte-specific deletion of Heat shock protein 10 results in mitochondrial dysfunction and mortality. <i>FASEB Journal</i> , 2012, 26, 888.9.	0.5	0