

Jiang Chang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,125
citations

236612

25
h-index

329751

37
g-index

39
all docs

39
docs citations

39
times ranked

3574
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiomyocytes mediate anti-angiogenesis in type 2 diabetic rats through the exosomal transfer of miR-320 into endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 74, 139-150.	0.9	357
2	Activation of Rho-associated coiled-coil protein kinase 1 (ROCK-1) by caspase-3 cleavage plays an essential role in cardiac myocyte apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14495-14500.	3.3	205
3	Targeted deletion of ROCK1 protects the heart against pressure overload by inhibiting reactive fibrosis. <i>FASEB Journal</i> , 2006, 20, 916-925.	0.2	195
4	Hsp20 Functions as a Novel Cardiokine in Promoting Angiogenesis via Activation of VEGFR2. <i>PLoS ONE</i> , 2012, 7, e32765.	1.1	95
5	NFATc4 is negatively regulated in miR-133a-mediated cardiomyocyte hypertrophic repression. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1340-H1347.	1.5	89
6	Inhibitory Cardiac Transcription Factor, SRF-N, Is Generated by Caspase 3 Cleavage in Human Heart Failure and Attenuated by Ventricular Unloading. <i>Circulation</i> , 2003, 108, 407-413.	1.6	74
7	ROCK Inhibitor Y-27632 Suppresses Dissociation-Induced Apoptosis of Murine Prostate Stem/Progenitor Cells and Increases Their Cloning Efficiency. <i>PLoS ONE</i> , 2011, 6, e18271.	1.1	74
8	Loss of duplexmiR-223 (5p and 3p) aggravates myocardial depression and mortality in polymicrobial sepsis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 701-711.	1.8	71
9	Enhanced desumoylation in murine hearts by overexpressed SENP2 leads to congenital heart defects and cardiac dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 638-649.	0.9	68
10	Pathophysiological Functions of <i>Rnd3</i> and <i>RhoE</i> , 2015, 6, 169-186.		61
11	SENP5, a SUMO isopeptidase, induces apoptosis and cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 78, 154-164.	0.9	60
12	Genetic deletion of <i>Rnd3</i> results in aqueductal stenosis leading to hydrocephalus through up-regulation of Notch signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8236-8241.	3.3	59
13	Spatial and temporal tracking of cardiac exosomes in mouse using a nano-luciferase-CD63 fusion protein. <i>Communications Biology</i> , 2020, 3, 114.	2.0	52
14	Dissecting the Mechanisms of Doxorubicin and Oxidative Stress-Induced Cytotoxicity: The Involvement of Actin Cytoskeleton and ROCK1. <i>PLoS ONE</i> , 2015, 10, e0131763.	1.1	46
15	LIM-only protein, CRP2, switched on smooth muscle gene activity in adult cardiac myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 157-162.	3.3	45
16	Tet inactivation disrupts YY1 binding and long-range chromatin interactions during embryonic heart development. <i>Nature Communications</i> , 2019, 10, 4297.	5.8	44
17	RND3 promotes Snail 1 protein degradation and inhibits glioblastoma cell migration and invasion. <i>Oncotarget</i> , 2016, 7, 82411-82423.	0.8	43
18	RhoE Fine-Tunes Inflammatory Response in Myocardial Infarction. <i>Circulation</i> , 2019, 139, 1185-1198.	1.6	43

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19	Rnd3/RhoE Modulates Hypoxia-Inducible Factor 1 α /Vascular Endothelial Growth Factor Signaling by Stabilizing Hypoxia-Inducible Factor 1 α and Regulates Responsive Cardiac Angiogenesis. <i>Hypertension</i> , 2016, 67, 597-605.	1.3	40
20	Activation of Heat-Shock Factor by Stretch-Activated Channels in Rat Hearts. <i>Circulation</i> , 2001, 104, 209-214.	1.6	38
21	Expression of Sumoylation Deficient Nkx2.5 Mutant in Nkx2.5 Haploinsufficient Mice Leads to Congenital Heart Defects. <i>PLoS ONE</i> , 2011, 6, e20803.	1.1	36
22	Cleavage of serum response factor mediated by enteroviral protease 2A contributes to impaired cardiac function. <i>Cell Research</i> , 2012, 22, 360-371.	5.7	31
23	Myocardial Rev-erb α -Mediated Diurnal Metabolic Rhythm and Obesity Paradox. <i>Circulation</i> , 2022, 145, 448-464.	1.6	31
24	Involvement of activated SUMO-2 conjugation in cardiomyopathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1388-1399.	1.8	29
25	Genetic Deletion of Rnd3/RhoE Results in Mouse Heart Calcium Leakage Through Upregulation of Protein Kinase A Signaling. <i>Circulation Research</i> , 2015, 116, e1-e10.	2.0	29
26	Mechanism of fibrotic cardiomyopathy in mice expressing truncated Rho-associated coiled-coil protein kinase 1. <i>FASEB Journal</i> , 2012, 26, 2105-2116.	0.2	28
27	Protein Tyrosine Phosphatase-Like A Regulates Myoblast Proliferation and Differentiation through MyoG and the Cell Cycling Signaling Pathway. <i>Molecular and Cellular Biology</i> , 2012, 32, 297-308.	1.1	26
28	ROCK1 Deficiency Enhances Protective Effects of Antioxidants against Apoptosis and Cell Detachment. <i>PLoS ONE</i> , 2014, 9, e90758.	1.1	26
29	Downregulation of RND3/RhoE in glioblastoma patients promotes tumorigenesis through augmentation of notch transcriptional complex activity. <i>Cancer Medicine</i> , 2015, 4, 1404-1416.	1.3	22
30	Histone methyltransferase Setd2 is critical for the proliferation and differentiation of myoblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 697-707.	1.9	22
31	Rho kinase signaling and cardiac physiology. <i>Current Opinion in Physiology</i> , 2018, 1, 14-20.	0.9	21
32	SCP4 Promotes Gluconeogenesis Through FoxO1/3a Dephosphorylation. <i>Diabetes</i> , 2018, 67, 46-57.	0.3	19
33	Targeted Expression of Cre Recombinase Provokes Placental-Specific DNA Recombination in Transgenic Mice. <i>PLoS ONE</i> , 2012, 7, e29236.	1.1	15
34	An Intragenic SRF-Dependent Regulatory Motif Directs Cardiac-Specific microRNA-1-1/133a-2 Expression. <i>PLoS ONE</i> , 2013, 8, e75470.	1.1	11
35	Maternal RND3/RhoE deficiency impairs placental mitochondrial function in preeclampsia by modulating the PPAR γ -UCP2 cascade. <i>FASEB Journal</i> , 2021, 35, e21555.	0.2	8
36	Double-inducible gene activation system for caspase 3 and 9 in epidermis. <i>Genesis</i> , 2007, 45, 194-199.	0.8	6

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37	Contribution of Increased Expression of Yin Yang 2 to Development of Cardiomyopathy. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 35.	1.6	4
38	Identification and characterization of a new isoform of small GTPase RhoE. <i>Communications Biology</i> , 2020, 3, 572.	2.0	2