Ju Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1280502/publications.pdf

Version: 2024-02-01

129 papers	8,639 citations	38742 50 h-index	49909 87 g-index
130 all docs	130 docs citations	130 times ranked	11714 citing authors

#	Article	IF	Citations
1	Mutations in Cypher/ZASPin patients with dilated cardiomyopathy and left ventricular non-compaction. Journal of the American College of Cardiology, 2003, 42, 2014-2027.	2.8	479
2	Pericytes of Multiple Organs Do Not Behave as Mesenchymal Stem Cells InÂVivo. Cell Stem Cell, 2017, 20, 345-359.e5.	11.1	393
3	Absence of pressure overload induced myocardial hypertrophy after conditional inactivation of Gî±q/Gî±11 in cardiomyocytes. Nature Medicine, 2001, 7, 1236-1240.	30.7	354
4	Cardiac Myocyte-Specific Excision of the Î²1 Integrin Gene Results in Myocardial Fibrosis and Cardiac Failure. Circulation Research, 2002, 90, 458-464.	4.5	256
5	Ablation of Cypher, a PDZ-LIM domain Z-line protein, causes a severe form of congenital myopathy. Journal of Cell Biology, 2001, 155, 605-612.	5.2	255
6	T-box genes coordinate regional rates of proliferation and regional specification during cardiogenesis. Development (Cambridge), 2005, 132, 2475-2487.	2.5	221
7	An FHL1-containing complex within the cardiomyocyte sarcomere mediates hypertrophic biomechanical stress responses in mice. Journal of Clinical Investigation, 2008, 118, 3870-3880.	8.2	211
8	Cypher, a Striated Muscle-restricted PDZ and LIM Domain-containing Protein, Binds to Î±-Actinin-2 and Protein Kinase C. Journal of Biological Chemistry, 1999, 274, 19807-19813.	3.4	210
9	Microbiome, inflammation and colorectal cancer. Seminars in Immunology, 2017, 32, 43-53.	5.6	199
10	HCN4 Dynamically Marks the First Heart Field and Conduction System Precursors. Circulation Research, 2013, 113, 399-407.	4.5	177
11	The ryanodine receptor store-sensing gate controls Ca2+ waves and Ca2+-triggered arrhythmias. Nature Medicine, 2014, 20, 184-192.	30.7	172
12	Selective Requirement of Myosin Light Chain 2v in Embryonic Heart Function. Journal of Biological Chemistry, 1998, 273, 1252-1256.	3.4	158
13	Expression patterns of FHL/SLIM family members suggest important functional roles in skeletal muscle and cardiovascular system. Mechanisms of Development, 2000, 95, 259-265.	1.7	154
14	Tbx20 regulates a genetic program essential to adult mouse cardiomyocyte function. Journal of Clinical Investigation, 2011, 121, 4640-4654.	8.2	136
15	A Cypher/ZASP Mutation Associated with Dilated Cardiomyopathy Alters the Binding Affinity to Protein Kinase C. Journal of Biological Chemistry, 2004, 279, 6746-6752.	3.4	132
16	Nesprin 1 is critical for nuclear positioning and anchorage. Human Molecular Genetics, 2010, 19, 329-341.	2.9	131
17	Mouse and computational models link Mlc2v dephosphorylation to altered myosin kinetics in early cardiac disease. Journal of Clinical Investigation, 2012, 122, 1209-1221.	8.2	131
18	Coxsackievirus and adenovirus receptor (CAR) mediates atrioventricular-node function and connexin 45 localization in the murine heart. Journal of Clinical Investigation, 2008, 118, 2758-2770.	8.2	129

#	Article	IF	Citations
19	Functions of myosin light chain-2 (MYL2) in cardiac muscle and disease. Gene, 2015, 569, 14-20.	2.2	126
20	Cell-Cell Connection to Cardiac Disease. Trends in Cardiovascular Medicine, 2009, 19, 182-190.	4.9	123
21	HIF1Î± Represses Cell Stress Pathways to Allow Proliferation of Hypoxic Fetal Cardiomyocytes. Developmental Cell, 2015, 33, 507-521.	7.0	123
22	Obscurin determines the architecture of the longitudinal sarcoplasmic reticulum. Journal of Cell Science, 2009, 122, 2640-2650.	2.0	120
23	Targeted Ablation of Nesprin 1 and Nesprin 2 from Murine Myocardium Results in Cardiomyopathy, Altered Nuclear Morphology and Inhibition of the Biomechanical Gene Response. PLoS Genetics, 2014, 10, e1004114.	3.5	120
24	Î±-E-Catenin Inactivation Disrupts the Cardiomyocyte Adherens Junction, Resulting in Cardiomyopathy and Susceptibility to Wall Rupture. Circulation, 2006, 114, 1046-1055.	1.6	112
25	Loss-of-function mutations in co-chaperone BAG3 destabilize small HSPs and cause cardiomyopathy. Journal of Clinical Investigation, 2017, 127, 3189-3200.	8.2	107
26	The costamere bridges sarcomeres to the sarcolemma in striated muscle. Progress in Pediatric Cardiology, 2011, 31, 83-88.	0.4	100
27	Smad7 Is Required for the Development and Function of the Heart. Journal of Biological Chemistry, 2009, 284, 292-300.	3.4	99
28	Kindlin-2 controls TGF-Î² signalling and Sox9 expression to regulate chondrogenesis. Nature Communications, 2015, 6, 7531.	12.8	93
29	FHL2 (SLIM3) Is Not Essential for Cardiac Development and Function. Molecular and Cellular Biology, 2000, 20, 7460-7462.	2.3	91
30	PINCH1 Plays an Essential Role in Early Murine Embryonic Development but Is Dispensable in Ventricular Cardiomyocytes. Molecular and Cellular Biology, 2005, 25, 3056-3062.	2.3	90
31	Loss of Enigma Homolog Protein Results in Dilated Cardiomyopathy. Circulation Research, 2010, 107, 348-356.	4.5	90
32	Cardiac-specific ablation of Cypher leads to a severe form of dilated cardiomyopathy with premature death. Human Molecular Genetics, 2009, 18, 701-713.	2.9	88
33	Characterization and in Vivo Functional Analysis of Splice Variants of Cypher. Journal of Biological Chemistry, 2003, 278, 7360-7365.	3.4	85
34	Linker of Nucleoskeleton and Cytoskeleton Complex Proteins in Cardiac Structure, Function, and Disease. Circulation Research, 2014, 114, 538-548.	4.5	82
35	Hyperglycemia Acutely Increases Cytosolic Reactive Oxygen Species via O -linked GlcNAcylation and CaMKII Activation in Mouse Ventricular Myocytes. Circulation Research, 2020, 126, e80-e96.	4.5	82
36	ALP/Enigma PDZ-LIM Domain Proteins in the Heart. Journal of Molecular Cell Biology, 2010, 2, 96-102.	3.3	73

#	Article	IF	Citations
37	Talin1 Has Unique Expression versus Talin 2 in the Heart and Modifies the Hypertrophic Response to Pressure Overload. Journal of Biological Chemistry, 2013, 288, 4252-4264.	3.4	73
38	Complexity in simplicity: monogenic disorders and complex cardiomyopathies. Journal of Clinical Investigation, 1999, 103, 1483-1485.	8.2	73
39	IL-17 inhibits CXCL9/10-mediated recruitment of CD8+ cytotoxic T cells and regulatory T cells to colorectal tumors. , 2019, 7, 324.		68
40	Loss of mXinÎ±, an intercalated disk protein, results in cardiac hypertrophy and cardiomyopathy with conduction defects. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2680-H2692.	3.2	65
41	Infarct Fibroblasts Do Not Derive From Bone Marrow Lineages. Circulation Research, 2018, 122, 583-590.	4.5	65
42	Adipocyte-specific loss of PPARÎ³ attenuates cardiac hypertrophy. JCI Insight, 2016, 1, e89908.	5.0	65
43	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
44	mTORC2 controls the activity of PKC and Akt by phosphorylating a conserved TOR interaction motif. Science Signaling, 2021, 14, .	3.6	64
45	Obscurin is required for ankyrinB-dependent dystrophin localization and sarcolemma integrity. Journal of Cell Biology, 2013, 200, 523-536.	5.2	63
46	Obscurin and KCTD6 regulate cullin-dependent small ankyrin-1 (sAnk1.5) protein turnover. Molecular Biology of the Cell, 2012, 23, 2490-2504.	2.1	60
47	Nesprin 1Î±2 is essential for mouse postnatal viability and nuclear positioning in skeletal muscle. Journal of Cell Biology, 2017, 216, 1915-1924.	5.2	59
48	MLP and CARP are linked to chronic PKCÎ± signalling in dilated cardiomyopathy. Nature Communications, 2016, 7, 12120.	12.8	58
49	5â€²RNA-Seq identifies Fhl1 as a genetic modifier in cardiomyopathy. Journal of Clinical Investigation, 2014, 124, 1364-1370.	8.2	58
50	Novel Epac fluorescent ligand reveals distinct Epac1 vs. Epac2 distribution and function in cardiomyocytes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3991-3996.	7.1	57
51	Impaired mitophagy facilitates mitochondrial damage in Danon disease. Journal of Molecular and Cellular Cardiology, 2017, 108, 86-94.	1.9	57
52	Tbx20 Is Required in Mid-Gestation Cardiomyocytes and Plays a Central Role in Atrial Development. Circulation Research, 2018, 123, 428-442.	4.5	57
53	Cyclic stretch of embryonic cardiomyocytes increases proliferation, growth, and expression while repressing Tgf-Î² signaling. Journal of Molecular and Cellular Cardiology, 2015, 79, 133-144.	1.9	56
54	Targeted Ablation of PINCH1 and PINCH2 From Murine Myocardium Results in Dilated Cardiomyopathy and Early Postnatal Lethality. Circulation, 2009, 120, 568-576.	1.6	53

#	Article	IF	Citations
55	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
56	IP3 receptors regulate vascular smooth muscle contractility and hypertension. JCI Insight, 2016, 1, e89402.	5.0	52
57	Loss of IP3R-dependent Ca2+ signalling in thymocytes leads to aberrant development and acute lymphoblastic leukemia. Nature Communications, 2014, 5, 4814.	12.8	51
58	HSPB7 is indispensable for heart development by modulating actin filament assembly. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11956-11961.	7.1	51
59	Parallel Lineage-Tracing Studies Establish Fibroblasts as the Prevailing InÂVivo Adipocyte Progenitor. Cell Reports, 2020, 30, 571-582.e2.	6.4	50
60	The Muscle Ankyrin Repeat Proteins CARP, Ankrd2, and DARP Are Not Essential for Normal Cardiac Development and Function at Basal Conditions and in Response to Pressure Overload. PLoS ONE, 2014, 9, e93638.	2.5	49
61	â€œZâ€eroing in on the Role of Cypher in Striated Muscle Function, Signaling, and Human Disease. Trends in Cardiovascular Medicine, 2007, 17, 258-262.	4.9	47
62	Pinch1 Is Required for Normal Development of Cranial and Cardiac Neural Crest-Derived Structures. Circulation Research, 2007, 100, 527-535.	4.5	46
63	PRDM16 Is a Compact Myocardium-Enriched Transcription Factor Required to Maintain Compact Myocardial Cardiomyocyte Identity in Left Ventricle. Circulation, 2022, 145, 586-602.	1.6	44
64	Roles of Nebulin Family Members in the Heart. Circulation Journal, 2015, 79, 2081-2087.	1.6	43
65	CRISPR/Cas9-mediated gene manipulation to create single-amino-acid-substituted and floxed mice with a cloning-free method. Scientific Reports, 2017, 7, 42244.	3.3	43
66	Loss of FHL1 induces an age-dependent skeletal muscle myopathy associated with myofibrillar and intermyofibrillar disorganization in mice. Human Molecular Genetics, 2014, 23, 209-225.	2.9	41
67	Nexilin Is a New Component of Junctional Membrane Complexes Required for Cardiac T-Tubule Formation. Circulation, 2019, 140, 55-66.	1.6	41
68	Adaptor proteins NUMB and NUMBL promote cell cycle withdrawal by targeting ERBB2 for degradation. Journal of Clinical Investigation, 2017, 127, 569-582.	8.2	40
69	Cypher/ZASP Is a Novel A-kinase Anchoring Protein. Journal of Biological Chemistry, 2013, 288, 29403-29413.	3.4	39
70	Normalization of Naxos plakoglobin levels restores cardiac function in mice. Journal of Clinical Investigation, 2015, 125, 1708-1712.	8.2	39
71	A Post-transcriptional Compensatory Pathway in Heterozygous Ventricular Myosin Light Chain 2-Deficient Mice Results in Lack of Gene Dosage Effect during Normal Cardiac Growth or Hypertrophy. Journal of Biological Chemistry, 1999, 274, 10066-10070.	3.4	38
72	Exchange protein directly activated by cAMP modulates regulatory T-cell-mediated immunosuppression. Biochemical Journal, 2015, 465, 295-303.	3.7	38

#	Article	IF	Citations
73	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
74	Inhibition of Epac1 suppresses mitochondrial fission and reduces neointima formation induced by vascular injury. Scientific Reports, 2016, 6, 36552.	3.3	37
75	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
76	Combinatorial interactions of genetic variants in human cardiomyopathy. Nature Biomedical Engineering, 2019, 3, 147-157.	22.5	37
77	Loss of Filamin C Is Catastrophic for Heart Function. Circulation, 2020, 141, 869-871.	1.6	37
78	Postnatal Loss of Kindlin-2 Leads to Progressive Heart Failure. Circulation: Heart Failure, 2016, 9, .	3.9	35
79	Luma is not essential for murine cardiac development and function. Cardiovascular Research, 2018, 114, 378-388.	3.8	35
80	Tissue-Specific Cell Cycle Indicator Reveals Unexpected Findings for Cardiac Myocyte Proliferation. Circulation Research, 2016, 118, 20-28.	4.5	34
81	Identifying the Cardiac Dyad Proteome In Vivo by a BioID2 Knock-In Strategy. Circulation, 2020, 141, 940-942.	1.6	34
82	Probing Muscle Ankyrinâ€Repeat Protein (MARP) Structure and Function. Anatomical Record, 2014, 297, 1615-1629.	1.4	33
83	RBFox2-miR-34a-Jph2 axis contributes to cardiac decompensation during heart failure. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6172-6180.	7.1	32
84	Probing chromatin landscape reveals roles of endocardial TBX20 in septation. Journal of Clinical Investigation, 2016, 126, 3023-3035.	8.2	30
85	Getting the skinny on thick filament regulation in cardiac muscle biology and disease. Trends in Cardiovascular Medicine, 2014, 24, 133-141.	4.9	29
86	Generation and Characterization of a Mouse Model Harboring the Exon-3 Deletion in the Cardiac Ryanodine Receptor. PLoS ONE, 2014, 9, e95615.	2.5	27
87	Nebulette knockout mice have normal cardiac function, but show Z-line widening and up-regulation of cardiac stress markers. Cardiovascular Research, 2015, 107, 216-225.	3.8	27
88	aPKCÎ¶-dependent Repression of Yap is Necessary for Functional Restoration of Irradiated Salivary Glands with IGF-1. Scientific Reports, 2018, 8, 6347.	3.3	27
89	Kindlin-2 Is Essential for Preserving Integrity of the Developing Heart and Preventing Ventricular Rupture. Circulation, 2019, 139, 1554-1556.	1.6	24
90	Requirement for integrin-linked kinase in neural crest migration and differentiation and outflow tract morphogenesis. BMC Biology, 2013, 11, 107.	3.8	23

#	Article	IF	Citations
91	Cai et al. reply. Nature, 2009, 458, E9-E10.	27.8	22
92	Endothelial Scaffolding Protein ENH (Enigma Homolog Protein) Promotes PHLPP2 (Pleckstrin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 and eNOS (Endothelial NO Synthase) Promoting Vascular Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1705-1721.	2.4	22
93	Molecular Characterisation of Titin N2A and Its Binding of CARP Reveals a Titin/Actin Cross-linking Mechanism. Journal of Molecular Biology, 2021, 433, 166901.	4.2	22
94	Titin kinase ubiquitination aligns autophagy receptors with mechanical signals in the sarcomere. EMBO Reports, 2021, 22, e48018.	4.5	22
95	A secretory pathway kinase regulates sarcoplasmic reticulum Ca2+ homeostasis and protects against heart failure. ELife, 2018, 7, .	6.0	22
96	Distribution and Function of Cardiac Ryanodine Receptor Clusters in Live Ventricular Myocytes. Journal of Biological Chemistry, 2015, 290, 20477-20487.	3.4	21
97	Role of Exchange Protein Directly Activated by Cyclic AMP Isoform 1 in Energy Homeostasis: Regulation of Leptin Expression and Secretion in White Adipose Tissue. Molecular and Cellular Biology, 2016, 36, 2440-2450.	2.3	20
98	Deficiency of PRKD2 triggers hyperinsulinemia and metabolic disorders. Nature Communications, 2018, 9, 2015.	12.8	19
99	The BAG3-dependent and -independent roles of cardiac small heat shock proteins. JCI Insight, 2019, 4, .	5.0	19
100	The C2 Domain and Altered ATP-Binding Loop Phosphorylation at Ser³⁵⁹ Mediate the Redox-Dependent Increase in Protein Kinase C-Î´ Activity. Molecular and Cellular Biology, 2015, 35, 1727-1740.	2.3	18
101	P209L mutation in Bag3 does not cause cardiomyopathy in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H392-H399.	3.2	18
102	O-linked Î²-N-acetylglucosamine transferase plays an essential role in heart development through regulating angiopoietin-1. PLoS Genetics, 2020, 16, e1008730.	3.5	16
103	Cypher and Enigma Homolog Protein Are Essential for Cardiac Development and Embryonic Survival. Journal of the American Heart Association, 2015, 4, .	3.7	15
104	LIM-Only Protein FHL2 Is a Negative Regulator of Transforming Growth Factor Î²1 Expression. Molecular and Cellular Biology, 2017, 37, .	2.3	15
105	Inositol 1,4,5-trisphosphate receptors are essential for fetal-maternal connection and embryo viability. PLoS Genetics, 2020, 16, e1008739.	3.5	15
106	Nexilin Is Necessary for Maintaining the Transverse-Axial Tubular System in Adult Cardiomyocytes. Circulation: Heart Failure, 2020, 13, e006935.	3.9	14
107	Understanding the molecular basis of cardiomyopathy. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H181-H233.	3.2	14
108	PTPMT1 Is Required for Embryonic Cardiac Cardiolipin Biosynthesis to Regulate Mitochondrial Morphogenesis and Heart Development. Circulation, 2021, 144, 403-406.	1.6	12

#	Article	IF	Citations
109	Lmo7 is dispensable for skeletal muscle and cardiac function. American Journal of Physiology - Cell Physiology, 2015, 309, C470-C479.	4.6	11
110	Revisiting Preadolescent Cardiomyocyte Proliferation in Mice. Circulation Research, 2016, 118, 916-919.	4.5	11
111	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
112	Diabetes-Related Ankyrin Repeat Protein (DARP/Ankrd23) Modifies Glucose Homeostasis by Modulating AMPK Activity in Skeletal Muscle. PLoS ONE, 2015, 10, e0138624.	2.5	9
113	Generation and Characterization of a Tissueâ€Specific Centrosome Indicator Mouse Line. Genesis, 2016, 54, 286-296.	1.6	9
114	Particularly Interesting Cysteine- and Histidine-Rich Protein in Cardiac Development and Remodeling. Journal of Investigative Medicine, 2009, 57, 842-848.	1.6	8
115	Cardiomyocyte Expression of ZO-1 Is Essential for Normal Atrioventricular Conduction but Does Not Alter Ventricular Function. Circulation Research, 2020, 127, 284-297.	4.5	8
116	Subcellular Remodeling in Filamin C Deficient Mouse Hearts Impairs Myocyte Tension Development during Progression of Dilated Cardiomyopathy. International Journal of Molecular Sciences, 2022, 23, 871.	4.1	8
117	Homozygous G650del nexilin variant causes cardiomyopathy in mice. JCI Insight, 2020, 5, .	5.0	7
118	Bone Marrow Transplantation Rescues Monocyte Recruitment Defect and Improves Cystic Fibrosis in Mice. Journal of Immunology, 2022, 208, 745-752.	0.8	7
119	A gainâ€ofâ€function mutation in the ITPR1 gating domain causes male infertility in mice. Journal of Cellular Physiology, 2022, 237, 3305-3316.	4.1	7
120	A ribonuclease-dependent cleavable beacon primer triggering DNA amplification for single nucleotide mutation detection with ultrahigh sensitivity and selectivity. Chemical Communications, 2019, 55, 12623-12626.	4.1	6
121	Effects of IP3R2 Receptor Deletion in the Ischemic Mouse Retina. Neurochemical Research, 2016, 41, 677-686.	3.3	4
122	Loss of eEF1A2 (Eukaryotic Elongation Factor 1 A2) in Murine Myocardium Results in Dilated Cardiomyopathy. Circulation: Heart Failure, 2021, 14, e008665.	3.9	4
123	Atypical ALPK2 kinase is not essential for cardiac development and function. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1509-H1515.	3.2	3
124	Generation and Analysis of Striated Muscle Selective LINC Complex Protein Mutant Mice. Methods in Molecular Biology, 2018, 1840, 251-281.	0.9	2
125	CARG-2020, an oncolytic artificial virus co-delivering three immunomodulators, to regress and cure established tumors in mice.. Journal of Clinical Oncology, 2021, 39, e14560-e14560.	1.6	1
126	Vascular Remodeling of the Mouse Yolk Sac Requires Hydraulic Force. FASEB Journal, 2007, 21, A230.	0.5	1

#	Article	IF	Citations
127	Cardiac myocyteâ€specific deletion of Heat shock protein 10 results in mitochondrial dysfunction and mortality. FASEB Journal, 2012, 26, 888.9.	0.5	0
128	Cypher/ZASP, a PKA Scaffolding Protein to Regulate the Phosphorylation of Lâ€type Calcium Channel. FASEB Journal, 2013, 27, 1039.1.	0.5	0
129	AVIDIO as a novel oncolytic immunotherapy platform for the treatment of colorectal cancer.. Journal of Clinical Oncology, 2020, 38, e15210-e15210.	1.6	0