

Chris Glembotski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3056320/publications.pdf>

Version: 2024-02-01

95
papers

7,746
citations

29994

54
h-index

51492

86
g-index

98
all docs

98
docs citations

98
times ranked

7591
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiotrophin-1 Activates a Distinct Form of Cardiac Muscle Cell Hypertrophy. <i>Journal of Biological Chemistry</i> , 1996, 271, 9535-9545.	1.6	344
2	p38 MAPK and NF- κ B Collaborate to Induce Interleukin-6 Gene Expression and Release. <i>Journal of Biological Chemistry</i> , 2000, 275, 23814-23824.	1.6	311
3	A Role for the p38 Mitogen-activated Protein Kinase Pathway in Myocardial Cell Growth, Sarcomeric Organization, and Cardiac-specific Gene Expression. <i>Journal of Cell Biology</i> , 1997, 139, 115-127.	2.3	294
4	Endoplasmic Reticulum Stress Gene Induction and Protection From Ischemia/Reperfusion Injury in the Hearts of Transgenic Mice With a Tamoxifen-Regulated Form of ATF6. <i>Circulation Research</i> , 2006, 98, 1186-1193.	2.0	282
5	Activation of the Unfolded Protein Response in Infarcted Mouse Heart and Hypoxic Cultured Cardiac Myocytes. <i>Circulation Research</i> , 2006, 99, 275-282.	2.0	267
6	Pim-1 regulates cardiomyocyte survival downstream of Akt. <i>Nature Medicine</i> , 2007, 13, 1467-1475.	15.2	228
7	ATF6 Decreases Myocardial Ischemia/Reperfusion Damage and Links ER Stress and Oxidative Stress Signaling Pathways in the Heart. <i>Circulation Research</i> , 2017, 120, 862-875.	2.0	228
8	MKK6 Activates Myocardial Cell NF- κ B and Inhibits Apoptosis in a p38 Mitogen-activated Protein Kinase-dependent Manner. <i>Journal of Biological Chemistry</i> , 1998, 273, 8232-8239.	1.6	211
9	Endoplasmic Reticulum Stress in the Heart. <i>Circulation Research</i> , 2007, 101, 975-984.	2.0	202
10	Strategies for the biosynthesis of bioactive peptides. <i>Trends in Neurosciences</i> , 1983, 6, 229-235.	4.2	188
11	Mesencephalic Astrocyte-derived Neurotrophic Factor Protects the Heart from Ischemic Damage and Is Selectively Secreted upon Sarco/endoplasmic Reticulum Calcium Depletion. <i>Journal of Biological Chemistry</i> , 2012, 287, 25893-25904.	1.6	178
12	Dissociation of p44 and p42 Mitogen-activated Protein Kinase Activation from Receptor-induced Hypertrophy in Neonatal Rat Ventricular Myocytes. <i>Journal of Biological Chemistry</i> , 1996, 271, 8452-8457.	1.6	160
13	Mesencephalic Astrocyte-Derived Neurotrophic Factor Is an Ischemia-Inducible Secreted Endoplasmic Reticulum Stress Response Protein in the Heart. <i>Circulation Research</i> , 2008, 103, 1249-1258.	2.0	149
14	LPS-Induced TNF- α Release from and Apoptosis in Rat Cardiomyocytes: Obligatory Role for CD14 in Mediating the LPS Response. <i>Journal of Molecular and Cellular Cardiology</i> , 1998, 30, 2761-2775.	0.9	147
15	Atrial natriuretic peptide promotes cardiomyocyte survival by cGMP-dependent nuclear accumulation of zyxin and Akt. <i>Journal of Clinical Investigation</i> , 2005, 115, 2716-2730.	3.9	145
16	Mimicking Phosphorylation of β -Crystallin on Serine-59 Is Necessary and Sufficient to Provide Maximal Protection of Cardiac Myocytes From Apoptosis. <i>Circulation Research</i> , 2003, 92, 203-211.	2.0	143
17	Ischemia Activates the ATF6 Branch of the Endoplasmic Reticulum Stress Response. <i>Journal of Biological Chemistry</i> , 2009, 284, 29735-29745.	1.6	141
18	Pharmacologic ATF6 activation confers global protection in widespread disease models by reprogramming cellular proteostasis. <i>Nature Communications</i> , 2019, 10, 187.	5.8	140

#	ARTICLE	IF	CITATIONS
19	Î±B-crystallin Gene Induction and Phosphorylation by MKK6-activated p38. <i>Journal of Biological Chemistry</i> , 2000, 275, 23825-23833.	1.6	138
20	Activation of p38 Has Opposing Effects on the Proliferation and Migration of Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 20995-21003.	1.6	130
21	The role of the unfolded protein response in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 453-459.	0.9	130
22	Effects of the Isoform-specific Characteristics of ATF6 ^{1±} and ATF6 ^{1²} on Endoplasmic Reticulum Stress Response Gene Expression and Cell Viability. <i>Journal of Biological Chemistry</i> , 2007, 282, 22865-22878.	1.6	126
23	Opposing Roles for ATF6 ^{1±} and ATF6 ^{1²} in Endoplasmic Reticulum Stress Response Gene Induction. <i>Journal of Biological Chemistry</i> , 2004, 279, 21078-21084.	1.6	121
24	TNF ^{1±} receptor expression in rat cardiac myocytes: TNF ^{1±} inhibition of L-type Ca ²⁺ -current and Ca ²⁺ -transients. <i>FEBS Letters</i> , 1995, 376, 24-30.	1.3	118
25	p38 Mitogen-activated Protein Kinase Mediates the Transcriptional Induction of the Atrial Natriuretic Factor Gene through a Serum Response Element. <i>Journal of Biological Chemistry</i> , 1998, 273, 20636-20643.	1.6	116
26	Pim-1 Kinase Protects Mitochondrial Integrity in Cardiomyocytes. <i>Circulation Research</i> , 2010, 106, 1265-1274.	2.0	100
27	Pathological hypertrophy amelioration by PRAS40-mediated inhibition of mTORC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12661-12666.	3.3	100
28	Roles for Î±B-crystallin and HSPB2 in protecting the myocardium from ischemia-reperfusion-induced damage in a KO mouse model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H847-H855.	1.5	98
29	Mechanistic Target of Rapamycin Complex 2 Protects the Heart From Ischemic Damage. <i>Circulation</i> , 2013, 128, 2132-2144.	1.6	97
30	Involvement of Multiple cis Elements in Basal- and Î±-Adrenergic Agonist-Inducible Atrial Natriuretic Factor Transcription. <i>Circulation Research</i> , 1995, 77, 1060-1069.	2.0	97
31	Coordination of Growth and Endoplasmic Reticulum Stress Signaling by Regulator of Calcineurin 1 (RCAN1), a Novel ATF6-inducible Gene. <i>Journal of Biological Chemistry</i> , 2008, 283, 14012-14021.	1.6	90
32	Hrd1 and ER-Associated Protein Degradation, ERAD, Are Critical Elements of the Adaptive ER Stress Response in Cardiac Myocytes. <i>Circulation Research</i> , 2015, 117, 536-546.	2.0	89
33	The Cytoprotective Effects of the Glycoprotein 130 Receptor-coupled Cytokine, Cardiotrophin-1, Require Activation of NF-Î±B. <i>Journal of Biological Chemistry</i> , 2001, 276, 37621-37629.	1.6	85
34	Pharmacologic ATF6 activating compounds are metabolically activated to selectively modify endoplasmic reticulum proteins. <i>ELife</i> , 2018, 7, .	2.8	85
35	Protein disulfide isomerase-associated 6 is an ATF6-inducible ER stress response protein that protects cardiac myocytes from ischemia/reperfusion-mediated cell death. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 259-267.	0.9	84
36	Sarco/endoplasmic Reticulum Calcium ATPase-2 Expression Is Regulated by ATF6 during the Endoplasmic Reticulum Stress Response. <i>Journal of Biological Chemistry</i> , 2001, 276, 48309-48317.	1.6	83

#	ARTICLE	IF	CITATIONS
37	Roles for Endoplasmic Reticulum-associated Degradation and the Novel Endoplasmic Reticulum Stress Response Gene Derlin-3 in the Ischemic Heart. <i>Circulation Research</i> , 2010, 106, 307-316.	2.0	83
38	Regulation of microRNA expression in the heart by the ATF6 branch of the ER stress response. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 1176-1182.	0.9	82
39	ATF6 Regulates Cardiac Hypertrophy by Transcriptional Induction of the mTORC1 Activator, Rheb. <i>Circulation Research</i> , 2019, 124, 79-93.	2.0	80
40	Overexpression of Mitogen-activated Protein Kinase Kinase 6 in the Heart Improves Functional Recovery from Ischemia in Vitro and Protects against Myocardial Infarction in Vivo. <i>Journal of Biological Chemistry</i> , 2005, 280, 669-676.	1.6	77
41	Activation of the ATF6 branch of the unfolded protein response in neurons improves stroke outcome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1069-1079.	2.4	75
42	Molecular forms of immunoreactive atrial natriuretic peptide in the rat hypothalamus and atrium. <i>Biochemical and Biophysical Research Communications</i> , 1985, 129, 671-678.	1.0	74
43	Collaborative Roles for c-Jun N-terminal Kinase, c-Jun, Serum Response Factor, and Sp1 in Calcium-regulated Myocardial Gene Expression. <i>Journal of Biological Chemistry</i> , 1997, 272, 24046-24053.	1.6	73
44	New concepts of endoplasmic reticulum function in the heart: Programmed to conserve. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 55, 85-91.	0.9	73
45	Junctophilin-2 gene therapy rescues heart failure by normalizing RyR2-mediated Ca ²⁺ release. <i>International Journal of Cardiology</i> , 2016, 225, 371-380.	0.8	73
46	The Raf-MEK-ERK Cascade Represents a Common Pathway for Alteration of Intracellular Calcium by Ras and Protein Kinase C in Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 1998, 273, 21730-21735.	1.6	72
47	PRAS40 prevents development of diabetic cardiomyopathy and improves hepatic insulin sensitivity in obesity. <i>EMBO Molecular Medicine</i> , 2014, 6, 57-65.	3.3	68
48	Functions for the cardiomyokine, MANF, in cardioprotection, hypertrophy and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 512-517.	0.9	67
49	Molecular forms of immunoreactive atrial natriuretic peptide released from cultured rat atrial myocytes. <i>Biochemical and Biophysical Research Communications</i> , 1985, 132, 1008-1017.	1.0	66
50	Roles for ATF6 and the sarco/endoplasmic reticulum protein quality control system in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 71, 11-15.	0.9	66
51	Proteostasis and Beyond: ATF6 in Ischemic Disease. <i>Trends in Molecular Medicine</i> , 2019, 25, 538-550.	3.5	66
52	Bovine intermediate pituitary $\hat{\pm}$ -amidation enzyme: Preliminary characterization. <i>Peptides</i> , 1983, 4, 921-928.	1.2	62
53	CaMKII $\hat{\pm}$ subtypes differentially regulate infarct formation following ex vivo myocardial ischemia/reperfusion through NF- $\hat{\pm}$ B and TNF- $\hat{\pm}$. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 103, 48-55.	0.9	62
54	Immunoreactive atrial natriuretic peptide in the rat eye: Molecular forms in anterior uvea and retina. <i>Biochemical and Biophysical Research Communications</i> , 1986, 134, 1022-1028.	1.0	61

#	ARTICLE	IF	CITATIONS
55	Coordination of ATF6-mediated Transcription and ATF6 Degradation by a Domain That Is Shared with the Viral Transcription Factor, VP16. <i>Journal of Biological Chemistry</i> , 2002, 277, 20734-20739.	1.6	61
56	Differential Effects of Protein Kinase C, Ras, and Raf-1 Kinase on the Induction of the Cardiac B-type Natriuretic Peptide Gene through a Critical Promoter-proximal M-CAT Element. <i>Journal of Biological Chemistry</i> , 1997, 272, 7464-7472.	1.6	54
57	Expression and characterization of Edg-1 receptors in rat cardiomyocytes. <i>FEBS Journal</i> , 2000, 267, 5679-5686.	0.2	46
58	Regulation of Cardiac Hypertrophic Signaling by Prolyl Isomerase Pin1. <i>Circulation Research</i> , 2013, 112, 1244-1252.	2.0	46
59	Factor Associated With Neutral Sphingomyelinase Activation and Its Role in Cardiac Cell Death. <i>Circulation Research</i> , 2003, 92, 589-591.	2.0	40
60	MAP Kinase Kinase 6â€“p38 MAP Kinase Signaling Cascade Regulates Cyclooxygenase-2 Expression in Cardiac Myocytes In Vitro and In Vivo. <i>Circulation Research</i> , 2003, 92, 757-764.	2.0	39
61	S100A4 protects the myocardium against ischemic stress. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 100, 54-63.	0.9	38
62	The Role of Ascorbic Acid in the Biosynthesis of the Neuroendocrine Peptides ?-MSH and TRH. <i>Annals of the New York Academy of Sciences</i> , 1987, 498, 54-62.	1.8	34
63	Roles for the Sarco-/Endoplasmic Reticulum in Cardiac Myocyte Contraction, Protein Synthesis, and Protein Quality Control. <i>Physiology</i> , 2012, 27, 343-350.	1.6	34
64	Limitation of individual folding resources in the ER leads to outcomes distinct from the unfolded protein response. <i>Journal of Cell Science</i> , 2012, 125, 4865-75.	1.2	31
65	Further characterization of the peptidyl Î±-amidating enzyme in rat anterior pituitary secretory granules. <i>Archives of Biochemistry and Biophysics</i> , 1985, 241, 673-683.	1.4	29
66	The MKK6â€“p38 MAPK pathway prolongs the cardiac contractile calcium transient, downregulates SERCA2, and activates NF-AT. <i>Cardiovascular Research</i> , 2003, 59, 46-56.	1.8	28
67	Mesencephalic astrocyteâ€“derived neurotrophic factor is an ER-resident chaperone that protects against reductive stress in the heart. <i>Journal of Biological Chemistry</i> , 2020, 295, 7566-7583.	1.6	27
68	Ras Reduces L-Type Calcium Channel Current in Cardiac Myocytes. <i>Circulation Research</i> , 2001, 88, 63-69.	2.0	26
69	ATF6 as a Nodal Regulator of Proteostasis in the Heart. <i>Frontiers in Physiology</i> , 2020, 11, 267.	1.3	23
70	The ATF6-Met[67]Val Substitution Is Associated With Increased Plasma Cholesterol Levels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1322-1327.	1.1	21
71	Expanding the Paracrine Hypothesis of Stem Cellâ€“Mediated Repair in the Heart. <i>Circulation Research</i> , 2017, 120, 772-774.	2.0	21
72	p38 MAPK Regulates Group IIa Phospholipase A2 Expression in Interleukin-1Î²-stimulated Rat Neonatal Cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2001, 276, 43842-43849.	1.6	18

#	ARTICLE	IF	CITATIONS
73	Integrating ER and Mitochondrial Proteostasis in the Healthy and Diseased Heart. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 193.	1.1	18
74	Studies of ANF processing and secretion using a primary cardiocyte culture model. <i>Canadian Journal of Physiology and Pharmacology</i> , 1991, 69, 1525-1536.	0.7	17
75	ATF6 and Thrombospondin 4. <i>Circulation Research</i> , 2013, 112, 9-12.	2.0	17
76	The ER Unfolded Protein Response Effector, ATF6, Reduces Cardiac Fibrosis and Decreases Activation of Cardiac Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1373.	1.8	16
77	Proteomic analysis of the cardiac myocyte secretome reveals extracellular protective functions for the ER stress response. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 143, 132-144.	0.9	14
78	Characterization of the molecular forms of ANP released by perfused neonatal rat heart. <i>Biochemical and Biophysical Research Communications</i> , 1987, 146, 547-553.	1.0	11
79	Acetylation of δ -MSH and δ -endorphin by rat neurointermediate pituitary secretory granule-associated acetyltransferase. <i>Peptides</i> , 1985, 6, 615-620.	1.2	10
80	Guanine Nucleotide Exchange Factor-like Factor (Rlf) Induces Gene Expression and Potentiates δ -1-Adrenergic Receptor-induced Transcriptional Responses in Neonatal Rat Ventricular Myocytes. <i>Journal of Biological Chemistry</i> , 2002, 277, 15286-15292.	1.6	10
81	Biochemical studies of soluble atrial natriuretic peptide (ANP) receptors from rat olfactory bulb and vascular smooth muscle cells. <i>Cellular and Molecular Neurobiology</i> , 1989, 9, 57-73.	1.7	9
82	Clarifying the Cardiac Proteasome Paradox. <i>Circulation Research</i> , 2012, 111, 509-512.	2.0	9
83	Finding the Missing Link Between the Unfolded Protein Response and O-GlcNAcylation in the Heart. <i>Circulation Research</i> , 2014, 115, 546-548.	2.0	9
84	Classic Studies of Cultured Cardiac Myocyte Hypertrophy. <i>Circulation Research</i> , 2013, 113, 1112-1116.	2.0	8
85	The peroxisomal enzyme, FAR1, is induced during ER stress in an ATF6-dependent manner in cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1813-H1821.	1.5	8
86	Unfolding the Roles of Mitochondria as Therapeutic Targets for Heart Disease. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1807-1810.	1.2	7
87	Reactive Oxygen Species (ROS)-Activatable Prodrug for Selective Activation of ATF6 after Ischemia/Reperfusion Injury. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 292-297.	1.3	7
88	Designing Novel Therapies to Mend Broken Hearts: ATF6 and Cardiac Proteostasis. <i>Cells</i> , 2020, 9, 602.	1.8	7
89	Sledgehammer to Scalpel: Broad Challenges to the Heart and Other Tissues Yield Specific Cellular Responses via Transcriptional Regulation of the ER-Stress Master Regulator ATF6. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1134.	1.8	7
90	Optimizing Adeno-Associated Virus Serotype 9 for Studies of Cardiac Chamber-Specific Gene Regulation. <i>Circulation</i> , 2021, 143, 2025-2027.	1.6	5

#	ARTICLE	IF	CITATIONS
91	Chromatographic characterization of vasoactive intestinal polypeptide in guinea pig and rhesus monkey eyes. <i>Current Eye Research</i> , 1990, 9, 287-291.	0.7	4
92	Simultaneous Isolation and Culture of Atrial Myocytes, Ventricular Myocytes, and Non-Myocytes from an Adult Mouse Heart. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	4
93	Getting a Gâ€“RRP on regulated exocytosis in the heart. <i>Journal of Cell Biology</i> , 2007, 179, 371-373.	2.3	2
94	Breaking Down the COP9 Signalsome in the Heart. <i>Circulation Research</i> , 2015, 117, 914-916.	2.0	2
95	Physiological signaling in the absence of amidated peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19774-19776.	3.3	1