Chris Glembotski

List of Publications by Year
in descending order

95 papers	7,746 citations	30070 54 h-index	51608 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. Journal of Biological Chemistry, 1996, 271, 9535-9545.	3.4	344
2	p38 MAPK and NF-Î¹B Collaborate to Induce Interleukin-6 Gene Expression and Release. Journal of Biological Chemistry, 2000, 275, 23814-23824.	3.4	311
3	A Role for the p38 Mitogen-activated Protein Kinase Pathway in Myocardial Cell Growth, Sarcomeric Organization, and Cardiac-specific Gene Expression. Journal of Cell Biology, 1997, 139, 115-127.	5.2	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. Circulation Research, 2006, 98, 1186-1193.	4.5	282
5	Activation of the Unfolded Protein Response in Infarcted Mouse Heart and Hypoxic Cultured Cardiac Myocytes. Circulation Research, 2006, 99, 275-282.	4.5	267
6	Pim-1 regulates cardiomyocyte survival downstream of Akt. Nature Medicine, 2007, 13, 1467-1475.	30.7	228
7	ATF6 Decreases Myocardial Ischemia/Reperfusion Damage and Links ER Stress and Oxidative Stress Signaling Pathways in the Heart. Circulation Research, 2017, 120, 862-875.	4.5	228
8	MKK6 Activates Myocardial Cell NF-Î¹B and Inhibits Apoptosis in a p38 Mitogen-activated Protein Kinase-dependent Manner. Journal of Biological Chemistry, 1998, 273, 8232-8239.	3.4	211
9	Endoplasmic Reticulum Stress in the Heart. Circulation Research, 2007, 101, 975-984.	4.5	202
10	Strategies for the biosynthesis of bioactive peptides. Trends in Neurosciences, 1983, 6, 229-235.	8.6	188
11	Mesencephalic Astrocyte-derived Neurotrophic Factor Protects the Heart from Ischemic Damage and Is Selectively Secreted upon Sarco/endoplasmic Reticulum Calcium Depletion. Journal of Biological Chemistry, 2012, 287, 25893-25904.	3.4	178
12	Dissociation of p44 and p42 Mitogen-activated Protein Kinase Activation from Receptor-induced Hypertrophy in Neonatal Rat Ventricular Myocytes. Journal of Biological Chemistry, 1996, 271, 8452-8457.	3.4	160
13	Mesencephalic Astrocyte-Derived Neurotrophic Factor Is an Ischemia-Inducible Secreted Endoplasmic Reticulum Stress Response Protein in the Heart. Circulation Research, 2008, 103, 1249-1258.	4.5	149
14	LPS-Induced TNF-Î±Release from and Apoptosis in Rat Cardiomyocytes: Obligatory Role for CD14 in Mediating the LPS Response. Journal of Molecular and Cellular Cardiology, 1998, 30, 2761-2775.	1.9	147
15	Atrial natriuretic peptide promotes cardiomyocyte survival by cGMP-dependent nuclear accumulation of zyxin and Akt. Journal of Clinical Investigation, 2005, 115, 2716-2730.	8.2	145
16	Mimicking Phosphorylation of Î±B-Crystallin on Serine-59 Is Necessary and Sufficient to Provide Maximal Protection of Cardiac Myocytes From Apoptosis. Circulation Research, 2003, 92, 203-211.	4.5	143
17	Ischemia Activates the ATF6 Branch of the Endoplasmic Reticulum Stress Response. Journal of Biological Chemistry, 2009, 284, 29735-29745.	3.4	141
18	Pharmacologic ATF6 activation confers global protection in widespread disease models by reprograming cellular proteostasis. Nature Communications, 2019, 10, 187.	12.8	140

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19	Î±B-crystallin Gene Induction and Phosphorylation by MKK6-activated p38. Journal of Biological Chemistry, 2000, 275, 23825-23833.	3.4	138
20	Activation of p38 Has Opposing Effects on the Proliferation and Migration of Endothelial Cells. Journal of Biological Chemistry, 2005, 280, 20995-21003.	3.4	130
21	The role of the unfolded protein response in the heart. Journal of Molecular and Cellular Cardiology, 2008, 44, 453-459.	1.9	130
22	Effects of the Isoform-specific Characteristics of ATF6Î± and ATF6Î² on Endoplasmic Reticulum Stress Response Gene Expression and Cell Viability. Journal of Biological Chemistry, 2007, 282, 22865-22878.	3.4	126
23	Opposing Roles for ATF6Î± and ATF6Î² in Endoplasmic Reticulum Stress Response Gene Induction. Journal of Biological Chemistry, 2004, 279, 21078-21084.	3.4	121
24	TNFÎ± receptor expression in rat cardiac myocytes: TNFÎ± inhibition of L-type Ca2+current and Ca2+transients. FEBS Letters, 1995, 376, 24-30.	2.8	118
25	p38 Mitogen-activated Protein Kinase Mediates the Transcriptional Induction of the Atrial Natriuretic Factor Gene through a Serum Response Element. Journal of Biological Chemistry, 1998, 273, 20636-20643.	3.4	116
26	Pim-1 Kinase Protects Mitochondrial Integrity in Cardiomyocytes. Circulation Research, 2010, 106, 1265-1274.	4.5	100
27	Pathological hypertrophy amelioration by PRAS40-mediated inhibition of mTORC1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12661-12666.	7.1	100
28	Roles for Î±B-crystallin and HSPB2 in protecting the myocardium from ischemia-reperfusion-induced damage in a KO mouse model. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H847-H855.	3.2	98
29	Mechanistic Target of Rapamycin Complex 2 Protects the Heart From Ischemic Damage. Circulation, 2013, 128, 2132-2144.	1.6	97
30	Involvement of Multiple cis Elements in Basal- and Î±-Adrenergic Agonistâ€“Inducible Atrial Natriuretic Factor Transcription. Circulation Research, 1995, 77, 1060-1069.	4.5	97
31	Coordination of Growth and Endoplasmic Reticulum Stress Signaling by Regulator of Calcineurin 1 (RCAN1), a Novel ATF6-inducible Gene. Journal of Biological Chemistry, 2008, 283, 14012-14021.	3.4	90
32	Hrd1 and ER-Associated Protein Degradation, ERAD, Are Critical Elements of the Adaptive ER Stress Response in Cardiac Myocytes. Circulation Research, 2015, 117, 536-546.	4.5	89
33	The Cytoprotective Effects of the Glycoprotein 130 Receptor-coupled Cytokine, Cardiotrophin-1, Require Activation of NF-ÎºB. Journal of Biological Chemistry, 2001, 276, 37621-37629.	3.4	85
34	Pharmacologic ATF6 activating compounds are metabolically activated to selectively modify endoplasmic reticulum proteins. ELife, 2018, 7, .	6.0	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. Journal of Molecular and Cellular Cardiology, 2012, 53, 259-267.	1.9	84
36	Sarco/endoplasmic Reticulum Calcium ATPase-2 Expression Is Regulated by ATF6 during the Endoplasmic Reticulum Stress Response. Journal of Biological Chemistry, 2001, 276, 48309-48317.	3.4	83

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37	Roles for Endoplasmic Reticulumâ€“Associated Degradation and the Novel Endoplasmic Reticulum Stress Response Gene Derlin-3 in the Ischemic Heart. Circulation Research, 2010, 106, 307-316.	4.5	83
38	Regulation of microRNA expression in the heart by the ATF6 branch of the ER stress response. Journal of Molecular and Cellular Cardiology, 2012, 52, 1176-1182.	1.9	82
39	ATF6 Regulates Cardiac Hypertrophy by Transcriptional Induction of the mTORC1 Activator, Rheb. Circulation Research, 2019, 124, 79-93.	4.5	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. Journal of Biological Chemistry, 2005, 280, 669-676.	3.4	77
41	Activation of the ATF6 branch of the unfolded protein response in neurons improves stroke outcome. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1069-1079.	4.3	75
42	Molecular forms of immunoactive atrial natriuretic peptide in the rat hypothalamus and atrium. Biochemical and Biophysical Research Communications, 1985, 129, 671-678.	2.1	74
43	Collaborative Roles for c-Jun N-terminal Kinase, c-Jun, Serum Response Factor, and Sp1 in Calcium-regulated Myocardial Gene Expression. Journal of Biological Chemistry, 1997, 272, 24046-24053.	3.4	73
44	New concepts of endoplasmic reticulum function in the heart: Programmed to conserve. Journal of Molecular and Cellular Cardiology, 2013, 55, 85-91.	1.9	73
45	Junctophilin-2 gene therapy rescues heart failure by normalizing RyR2-mediated Ca2+ release. International Journal of Cardiology, 2016, 225, 371-380.	1.7	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. Journal of Biological Chemistry, 1998, 273, 21730-21735.	3.4	72
47	PRAS40 prevents development of diabetic cardiomyopathy and improves hepatic insulin sensitivity in obesity. EMBO Molecular Medicine, 2014, 6, 57-65.	6.9	68
48	Functions for the cardiomyokine, MANF, in cardioprotection, hypertrophy and heart failure. Journal of Molecular and Cellular Cardiology, 2011, 51, 512-517.	1.9	67
49	Molecular forms of immunoactive atrial natriuretic peptide released from cultured rat atrial myocytes. Biochemical and Biophysical Research Communications, 1985, 132, 1008-1017.	2.1	66
50	Roles for ATF6 and the sarco/endoplasmic reticulum protein quality control system in the heart. Journal of Molecular and Cellular Cardiology, 2014, 71, 11-15.	1.9	66
51	Proteostasis and Beyond: ATF6 in Ischemic Disease. Trends in Molecular Medicine, 2019, 25, 538-550.	6.7	66
52	Bovine intermediate pituitary Î±-amidation enzyme: Preliminary characterization. Peptides, 1983, 4, 921-928.	2.4	62
53	CaMKIIÎ´ subtypes differentially regulate infarct formation following ex vivo myocardial ischemia/reperfusion through NF-IºB and TNF-Î±. Journal of Molecular and Cellular Cardiology, 2017, 103, 48-55.	1.9	62
54	Immunoactive atrial natriuretic peptide in the rat eye: Molecular forms in anterior uvea and retina. Biochemical and Biophysical Research Communications, 1986, 134, 1022-1028.	2.1	61

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55	Coordination of ATF6-mediated Transcription and ATF6 Degradation by a Domain That Is Shared with the Viral Transcription Factor, VP16. Journal of Biological Chemistry, 2002, 277, 20734-20739.	3.4	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. Journal of Biological Chemistry, 1997, 272, 7464-7472.	3.4	54
57	Expression and characterization of Edg-1 receptors in rat cardiomyocytes. FEBS Journal, 2000, 267, 5679-5686.	0.2	46
58	Regulation of Cardiac Hypertrophic Signaling by Prolyl Isomerase Pin1. Circulation Research, 2013, 112, 1244-1252.	4.5	46
59	Factor Associated With Neutral Sphingomyelinase Activation and Its Role in Cardiac Cell Death. Circulation Research, 2003, 92, 589-591.	4.5	40
60	MAP Kinase Kinase 6â€“p38 MAP Kinase Signaling Cascade Regulates Cyclooxygenase-2 Expression in Cardiac Myocytes In Vitro and In Vivo. Circulation Research, 2003, 92, 757-764.	4.5	39
61	S100A4 protects the myocardium against ischemic stress. Journal of Molecular and Cellular Cardiology, 2016, 100, 54-63.	1.9	38
62	The Role of Ascorbic Acid in the Biosynthesis of the Neuroendocrine Peptides ?-MSH and TRH. Annals of the New York Academy of Sciences, 1987, 498, 54-62.	3.8	34
63	Roles for the Sarco-/Endoplasmic Reticulum in Cardiac Myocyte Contraction, Protein Synthesis, and Protein Quality Control. Physiology, 2012, 27, 343-350.	3.1	34
64	Limitation of individual folding resources in the ER leads to outcomes distinct from the unfolded protein response. Journal of Cell Science, 2012, 125, 4865-75.	2.0	31
65	Further characterization of the peptidyl Î±-amidating enzyme in rat anterior pituitary secretory granules. Archives of Biochemistry and Biophysics, 1985, 241, 673-683.	3.0	29
66	The MKK6â€“p38 MAPK pathway prolongs the cardiac contractile calcium transient, downregulates SERCA2, and activates NF-AT. Cardiovascular Research, 2003, 59, 46-56.	3.8	28
67	Mesencephalic astrocyteâ€“derived neurotrophic factor is an ER-resident chaperone that protects against reductive stress in the heart. Journal of Biological Chemistry, 2020, 295, 7566-7583.	3.4	27
68	Ras Reduces L-Type Calcium Channel Current in Cardiac Myocytes. Circulation Research, 2001, 88, 63-69.	4.5	26
69	ATF6 as a Nodal Regulator of Proteostasis in the Heart. Frontiers in Physiology, 2020, 11, 267.	2.8	23
70	The ATF6-Met[67]Val Substitution Is Associated With Increased Plasma Cholesterol Levels. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1322-1327.	2.4	21
71	Expanding the Paracrine Hypothesis of Stem Cellâ€“Mediated Repair in the Heart. Circulation Research, 2017, 120, 772-774.	4.5	21
72	p38 MAPK Regulates Group IIa Phospholipase A2Expression in Interleukin-1Î²-stimulated Rat Neonatal Cardiomyocytes. Journal of Biological Chemistry, 2001, 276, 43842-43849.	3.4	18

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73	Integrating ER and Mitochondrial Proteostasis in the Healthy and Diseased Heart. Frontiers in Cardiovascular Medicine, 2019, 6, 193.	2.4	18
74	Studies of ANF processing and secretion using a primary cardiocyte culture model. Canadian Journal of Physiology and Pharmacology, 1991, 69, 1525-1536.	1.4	17
75	ATF6 and Thrombospondin 4. Circulation Research, 2013, 112, 9-12.	4.5	17
76	The ER Unfolded Protein Response Effector, ATF6, Reduces Cardiac Fibrosis and Decreases Activation of Cardiac Fibroblasts. International Journal of Molecular Sciences, 2020, 21, 1373.	4.1	16
77	Proteomic analysis of the cardiac myocyte secretome reveals extracellular protective functions for the ER stress response. Journal of Molecular and Cellular Cardiology, 2020, 143, 132-144.	1.9	14
78	Characterization of the molecular forms of ANP released by perfused neonatal rat heart. Biochemical and Biophysical Research Communications, 1987, 146, 547-553.	2.1	11
79	Acetylation of Î±MSH and Î²-endorphin by rat neurointermediate pituitary secretory granule-associated acetyltransferase. Peptides, 1985, 6, 615-620.	2.4	10
80	Guanine Nucleotide Exchange Factor-like Factor (Rlf) Induces Gene Expression and Potentiates Î±1-Adrenergic Receptor-induced Transcriptional Responses in Neonatal Rat Ventricular Myocytes. Journal of Biological Chemistry, 2002, 277, 15286-15292.	3.4	10
81	Biochemical studies of soluble atrial natriuretic peptide (ANP) receptors from rat olfactory bulb and vascular smooth muscle cells. Cellular and Molecular Neurobiology, 1989, 9, 57-73.	3.3	9
82	Clarifying the Cardiac Proteasome Paradox. Circulation Research, 2012, 111, 509-512.	4.5	9
83	Finding the Missing Link Between the Unfolded Protein Response and O-GlcNAcylation in the Heart. Circulation Research, 2014, 115, 546-548.	4.5	9
84	Classic Studies of Cultured Cardiac Myocyte Hypertrophy. Circulation Research, 2013, 113, 1112-1116.	4.5	8
85	The peroxisomal enzyme, FAR1, is induced during ER stress in an ATF6-dependent manner in cardiac myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1813-H1821.	3.2	8
86	Unfolding the Roles of Mitochondria as Therapeutic Targets for Heart Disease. Journal of the American College of Cardiology, 2019, 73, 1807-1810.	2.8	7
87	Reactive Oxygen Species (ROS)-Activatable Prodrug for Selective Activation of ATF6 after Ischemia/Reperfusion Injury. ACS Medicinal Chemistry Letters, 2020, 11, 292-297.	2.8	7
88	Designing Novel Therapies to Mend Broken Hearts: ATF6 and Cardiac Proteostasis. Cells, 2020, 9, 602.	4.1	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 ATF6Î±. International Journal of Molecular Sciences, 2020, 21, 1134.	4.1	7
90	Optimizing Adeno-Associated Virus Serotype 9 for Studies of Cardiac Chamberâ€“Specific Gene Regulation. Circulation, 2021, 143, 2025-2027.	1.6	5

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91	Chromatographic characterization of vasoactive intestinal polypeptide in guinea pig and rhesus monkey eyes. Current Eye Research, 1990, 9, 287-291.	1.5	4
92	Simultaneous Isolation and Culture of Atrial Myocytes, Ventricular Myocytes, and Non-Myocytes from an Adult Mouse Heart. Journal of Visualized Experiments, 2020, , .	0.3	4
93	Getting a Gâ€“RRP on regulated exocytosis in the heart. Journal of Cell Biology, 2007, 179, 371-373.	5.2	2
94	Breaking Down the COP9 Signalsome in the Heart. Circulation Research, 2015, 117, 914-916.	4.5	2
95	Physiological signaling in the absence of amidated peptides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19774-19776.	7.1	1