Joan Heller Brown

List of Publications by Year
in descending order

175 papers	17,763 citations	9756 73 h-index	12910 131 g-index
178 all docs	178 docs citations	178 times ranked	15103 citing authors

#	Article	IF	Citations
1	Cardiac Muscle Cell Hypertrophy and Apoptosis Induced by Distinct Members of the p38 Mitogen-activated Protein Kinase Family. Journal of Biological Chemistry, 1998, 273, 2161-2168.	1.6	766
2	The Î´CIsoform of CaMKII Is Activated in Cardiac Hypertrophy and Induces Dilated Cardiomyopathy and Heart Failure. Circulation Research, 2003, 92, 912-919.	2.0	528
3	Ca2+/calmodulin-dependent protein kinase II regulates cardiac Na+ channels. Journal of Clinical Investigation, 2006, 116, 3127-3138.	3.9	474
4	Local InsP3-dependent perinuclear Ca2+ signaling in cardiac myocyte excitation-transcription coupling. Journal of Clinical Investigation, 2006, 116, 675-682.	3.9	427
5	Transgenic CaMKIIÎ´COverexpression Uniquely Alters Cardiac Myocyte Ca2+Handling. Circulation Research, 2003, 92, 904-911.	2.0	409
6	CaMKII in myocardial hypertrophy and heart failure. Journal of Molecular and Cellular Cardiology, 2011, 51, 468-473.	0.9	383
7	Cardiotrophin 1 (CT-1) Inhibition of Cardiac Myocyte Apoptosis via a Mitogen-activated Protein Kinase-dependent Pathway. Journal of Biological Chemistry, 1997, 272, 5783-5791.	1.6	370
8	The Role of Rho in G Protein-Coupled Receptor Signal Transduction. Annual Review of Pharmacology and Toxicology, 2000, 40, 459-489.	4.2	339
9	Linkage of Î²1-adrenergic stimulation to apoptotic heart cell death through protein kinase Aâ€"independent activation of Ca2+/calmodulin kinase II. Journal of Clinical Investigation, 2003, 111, 617-625.	3.9	336
10	Requirement for Ca2+/calmodulinâ€"dependent kinase II in the transition from pressure overloadâ€"induced cardiac hypertrophy to heart failure in mice. Journal of Clinical Investigation, 2009, 119, 1230-1240.	3.9	333
11	Cyclophilin D controls mitochondrial poreâ€"dependent Ca2+ exchange, metabolic flexibility, and propensity for heart failure in mice. Journal of Clinical Investigation, 2010, 120, 3680-3687.	3.9	333
12	The Rac and Rho Hall of Fame. Circulation Research, 2006, 98, 730-742.	2.0	311
13	Cardiac Hypertrophy Induced by Mitogen-activated Protein Kinase Kinase 7, a Specific Activator for c-Jun NH2-terminal Kinase in Ventricular Muscle Cells. Journal of Biological Chemistry, 1998, 273, 5423-5426.	1.6	303
14	Characterization of lpa 2 (Edg4) and lpa 1 / lpa 2 (Edg2/Edg4) Lysophosphatidic Acid Receptor Knockout Mice: Signaling Deficits without Obvious Phenotypic Abnormality Attributable to lpa 2. Molecular and Cellular Biology, 2002, 22, 6921-6929.	1.1	300
15	MTORC1 regulates cardiac function and myocyte survival through 4E-BP1 inhibition in mice. Journal of Clinical Investigation, 2010, 120, 2805-2816.	3.9	291
16	Role of Ca2+/calmodulin-dependent protein kinase II in cardiac hypertrophy and heart failure. Cardiovascular Research, 2004, 63, 476-486.	1.8	259
17	Rho and Rho Kinase Mediate Thrombin-Stimulated Vascular Smooth Muscle Cell DNA Synthesis and Migration. Circulation Research, 1999, 84, 1186-1193.	2.0	254
18	Selective Loss of Sphingosine 1-Phosphate Signaling with No Obvious Phenotypic Abnormality in Mice Lacking Its G Protein-coupled Receptor, LPB3/EDG-3. Journal of Biological Chemistry, 2001, 276, 33697-33704.	1.6	251

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19	Regulation of the Hippoâ€"YAP pathway by protease-activated receptors (PARs). Genes and Development, 2012, 26, 2138-2143.	2.7	239
20	Cardiac-specific overexpression of RhoA results in sinus and atrioventricular nodal dysfunction and contractile failure. Journal of Clinical Investigation, 1999, 103, 1627-1634.	3.9	232
21	Rho as a Mediator of G Protein-Coupled Receptor Signaling. Molecular Pharmacology, 1999, 55, 949-956.	1.0	224
22	Marked Perinatal Lethality and Cellular Signaling Deficits in Mice Null for the Two Sphingosine 1-Phosphate (S1P) Receptors, S1P2/LPB2/EDG-5 and S1P3/LPB3/EDG-3. Journal of Biological Chemistry, 2002, 277, 25152-25159.	1.6	224
23	The Cardiac-specific Nuclear Î´B Isoform of Ca2+/Calmodulin-dependent Protein Kinase II Induces Hypertrophy and Dilated Cardiomyopathy Associated with Increased Protein Phosphatase 2A Activity. Journal of Biological Chemistry, 2002, 277, 1261-1267.	1.6	219
24	Sphingosine-1-phosphate receptor signalling in the heart. Cardiovascular Research, 2008, 82, 193-200.	1.8	217
25	G proteinâ€coupled receptors and signaling pathways regulating growth responses ¹. FASEB Journal, 1996, 10, 741-749.	0.2	215
26	Linkage of Î²1-adrenergic stimulation to apoptotic heart cell death through protein kinase Aâ€"independent activation of Ca2+/calmodulin kinase II. Journal of Clinical Investigation, 2003, 111, 617-625.	3.9	215
27	The MEKK-JNK Pathway Is Stimulated by Î±1-Adrenergic Receptor and Ras Activation and Is Associated with in Vitro and in Vivo Cardiac Hypertrophy. Journal of Biological Chemistry, 1997, 272, 14057-14061.	1.6	211
28	An FHL1-containing complex within the cardiomyocyte sarcomere mediates hypertrophic biomechanical stress responses in mice. Journal of Clinical Investigation, 2008, 118, 3870-3880.	3.9	211
29	Sphingosine 1-phosphate S1P2 and S1P3 receptor-mediated Akt activation protects against in vivo myocardial ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2944-H2951.	1.5	210
30	Inhibition of Cardiac Myocyte Apoptosis Improves Cardiac Function and Abolishes Mortality in the Peripartum Cardiomyopathy of GÎ±q Transgenic Mice. Circulation, 2003, 108, 3036-3041.	1.6	205
31	APJ acts as a dual receptor in cardiac hypertrophy. Nature, 2012, 488, 394-398.	13.7	204
32	Inflammation and NLRP3 Inflammasome Activation Initiated in Response to Pressure Overload by Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Î´ Signaling in Cardiomyocytes Are Essential for Adverse Cardiac Remodeling. Circulation, 2018, 138, 2530-2544.	1.6	200
33	Î²-Adrenergic receptor signaling in the heart: Role of CaMKII. Journal of Molecular and Cellular Cardiology, 2010, 48, 322-330.	0.9	198
34	Rho Is Required for GÎ±q and Î±1-Adrenergic Receptor Signaling in Cardiomyocytes. Journal of Biological Chemistry, 1996, 271, 31185-31190.	1.6	197
35	The Nuclear Î´B Isoform of Ca2+/Calmodulin-dependent Protein Kinase II Regulates Atrial Natriuretic Factor Gene Expression in Ventricular Myocytes. Journal of Biological Chemistry, 1997, 272, 31203-31208.	1.6	187
36	CaMKIIÎ´ Isoforms Differentially Affect Calcium Handling but Similarly Regulate HDAC/MEF2 Transcriptional Responses. Journal of Biological Chemistry, 2007, 282, 35078-35087.	1.6	182

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37	Initiation and Transduction of Stretch-induced RhoA and Rac1 Activation through Caveolae. Journal of Biological Chemistry, 2003, 278, 31111-31117.	1.6	181
38	G protein mediated signaling pathways in lysophospholipid induced cell proliferation and survival. Journal of Cellular Biochemistry, 2004, 92, 949-966.	1.2	181
39	The Low Molecular Weight GTPase Rho Regulates Myofibril Formation and Organization in Neonatal Rat Ventricular Myocytes. Journal of Biological Chemistry, 1998, 273, 7725-7730.	1.6	176
40	Increased Sarcoplasmic Reticulum Calcium Leak but Unaltered Contractility by Acute CaMKII Overexpression in Isolated Rabbit Cardiac Myocytes. Circulation Research, 2006, 98, 235-244.	2.0	171
41	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.	1.6	160
42	Calcium/Calmodulin-Dependent Protein Kinase II Contributes to Cardiac Arrhythmogenesis in Heart Failure. Circulation: Heart Failure, 2009, 2, 664-675.	1.6	158
43	Gq Signaling in Cardiac Adaptation and Maladaptation. Trends in Cardiovascular Medicine, 1999, 9, 26-34.	2.3	157
44	Novel Allosteric Sites on Ras for Lead Generation. PLoS ONE, 2011, 6, e25711.	1.1	155
45	Chronic inhalation of e-cigarette vapor containing nicotine disrupts airway barrier function and induces systemic inflammation and multiorgan fibrosis in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R834-R847.	0.9	152
46	Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Î´ Mediates Myocardial Ischemia/Reperfusion Injury Through Nuclear Factor-ÎºB. Circulation Research, 2013, 112, 935-944.	2.0	148
47	GÎ±12 Stimulates c-Jun NH2-terminal Kinase through the Small G Proteins Ras and Rac. Journal of Biological Chemistry, 1996, 271, 17349-17353.	1.6	146
48	Epac2 Mediates Cardiac Î²1-Adrenergicâ€"Dependent Sarcoplasmic Reticulum Ca ²⁺ Leak and Arrhythmia. Circulation, 2013, 127, 913-922.	1.6	145
49	c-Jun N-Terminal Kinase Activation Mediates Downregulation of Connexin43 in Cardiomyocytes. Circulation Research, 2002, 91, 640-647.	2.0	134
50	Role of phospholipase CÎµ in physiological phosphoinositide signaling networks. Cellular Signalling, 2012, 24, 1333-1343.	1.7	130
51	Increased Expression and Activity of RhoA Are Associated With Increased DNA Synthesis and Reduced p27 ^{Kip1} Expression in the Vasculature of Hypertensive Rats. Circulation Research, 2001, 89, 488-495.	2.0	125
52	RhoA/Rho Kinase Up-regulate Bax to Activate a Mitochondrial Death Pathway and Induce Cardiomyocyte Apoptosis. Journal of Biological Chemistry, 2007, 282, 8069-8078.	1.6	124
53	PHLPP-1 Negatively Regulates Akt Activity and Survival in the Heart. Circulation Research, 2010, 107, 476-484.	2.0	115
54	Endoplasmic reticulumâ€"mitochondria crosstalk in NIX-mediated murine cell death. Journal of Clinical Investigation, 2009, 119, 203-12.	3.9	115

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55	A Critical Function for Ser-282 in Cardiac Myosin Binding Protein-C Phosphorylation and Cardiac Function. Circulation Research, 2011, 109, 141-150.	2.0	113
56	Cardiomyocyte Apoptosis Induced by GÎ±q Signaling Is Mediated by Permeability Transition Pore Formation and Activation of the Mitochondrial Death Pathway. Circulation Research, 2000, 87, 1180-1187.	2.0	111
57	G-proteins in growth and apoptosis: lessons from the heart. Oncogene, 2001, 20, 1626-1634.	2.6	107
58	Influence of neuroleptic drugs and apomorphine on dopamine-sensitive adenylate cyclase of retina. Journal of Neurochemistry, 1973, 21, 477-479.	2.1	105
59	Akt regulates L-type Ca2+ channel activity by modulating CavÎ±1 protein stability. Journal of Cell Biology, 2009, 184, 923-933.	2.3	101
60	Focal Adhesion Kinase as a RhoA-activable Signaling Scaffold Mediating Akt Activation and Cardiomyocyte Protection. Journal of Biological Chemistry, 2008, 283, 35622-35629.	1.6	96
61	Phospholamban Ablation Rescues Sarcoplasmic Reticulum Ca ²⁺ Handling but Exacerbates Cardiac Dysfunction in CaMKIIÎ´ _C Transgenic Mice. Circulation Research, 2010, 106, 354-362.	2.0	95
62	A Rho Exchange Factor Mediates Thrombin and GÎ±12-induced Cytoskeletal Responses. Journal of Biological Chemistry, 1999, 274, 26815-26821.	1.6	94
63	G Proteinâ€"Coupled Receptor and RhoA-Stimulated Transcriptional Responses: Links to Inflammation, Differentiation, and Cell Proliferation. Molecular Pharmacology, 2015, 88, 171-180.	1.0	93
64	Akt mediated mitochondrial protection in the heart: metabolic and survival pathways to the rescue. Journal of Bioenergetics and Biomembranes, 2009, 41, 169-180.	1.0	90
65	G12 Requirement for Thrombin-stimulated Gene Expression and DNA Synthesis in 1321N1 Astrocytoma Cells. Journal of Biological Chemistry, 1995, 270, 20073-20077.	1.6	88
66	CaMKIIÎ´-mediated inflammatory gene expression and inflammasome activation in cardiomyocytes initiate inflammation and induce fibrosis. JCI Insight, 2018, 3, .	2.3	88
67	Physical and Functional Interactions of GÎ±q with Rho and Its Exchange Factors. Journal of Biological Chemistry, 2001, 276, 15445-15452.	1.6	86
68	RhoA protects the mouse heart against ischemia/reperfusion injury. Journal of Clinical Investigation, 2011, 121, 3269-3276.	3.9	83
69	Myocardin-Related Transcription Factor A and Yes-Associated Protein Exert Dual Control in G Protein-Coupled Receptor- and RhoA-Mediated Transcriptional Regulation and Cell Proliferation. Molecular and Cellular Biology, 2016, 36, 39-49.	1.1	82
70	Hyperglycemia Acutely Increases Cytosolic Reactive Oxygen Species via <i>O</i> -linked GlcNAcylation and CaMKII Activation in Mouse Ventricular Myocytes. Circulation Research, 2020, 126, e80-e96.	2.0	82
71	Mitochondrial translocation of Nur77 mediates cardiomyocyte apoptosis. European Heart Journal, 2011, 32, 2179-2188.	1.0	79
72	Sphingosine 1-phosphate receptor 3 and RhoA signaling mediate inflammatory gene expression in astrocytes. Journal of Neuroinflammation, 2017, 14, 111.	3.1	79

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73	Requirement for Rho-mediated Myosin Light Chain Phosphorylation in Thrombin-stimulated Cell Rounding and Its Dissociation from Mitogenesis. Journal of Biological Chemistry, 1998, 273, 10099-10106.	1.6	74
74	S1P1 Receptor Localization Confers Selectivity for Gi-mediated cAMP and Contractile Responses. Journal of Biological Chemistry, 2008, 283, 11954-11963.	1.6	71
75	Rho Kinase Polymorphism Influences Blood Pressure and Systemic Vascular Resistance in Human Twins. Hypertension, 2006, 47, 937-947.	1.3	70
76	Location Matters. Circulation Research, 2011, 109, 1354-1362.	2.0	70
77	Phospholipase CÉ› links G protein-coupled receptor activation to inflammatory astrocytic responses. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3609-3614.	3.3	70
78	CaMKIIÎ´ mediates Î²-adrenergic effects on RyR2 phosphorylation and SR Ca2+ leak and the pathophysiological response to chronic Î²-adrenergic stimulation. Journal of Molecular and Cellular Cardiology, 2015, 85, 282-291.	0.9	69
79	Akt-mediated Cardiomyocyte Survival Pathways Are Compromised by GÎ±q-induced Phosphoinositide 4,5-Bisphosphate Depletion. Journal of Biological Chemistry, 2003, 278, 40343-40351.	1.6	68
80	Lysophospholipid receptor activation of RhoA and lipid signaling pathways. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 213-222.	1.2	68
81	Phospholipase CÎµ is a nexus for Rho and Rap-mediated G protein-coupled receptor-induced astrocyte proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15543-15548.	3.3	67
82	CaMKIIdelta subtypes: localization and function. Frontiers in Pharmacology, 2014, 5, 15.	1.6	67
83	Tumor Necrosis Factor-Î±-stimulated Cell Proliferation Is Mediated through Sphingosine Kinase-dependent Akt Activation and Cyclin D Expression. Journal of Biological Chemistry, 2007, 282, 863-870.	1.6	66
84	Tyrosine Kinase and c-Jun NH ₂ -Terminal Kinase Mediate Hypertrophic Responses to Prostaglandin F _{2Î±} in Cultured Neonatal Rat Ventricular Myocytes. Circulation Research, 1998, 83, 167-178.	2.0	62
85	Akt Increases Sarcoplasmic Reticulum Ca2+ Cycling by Direct Phosphorylation of Phospholamban at Thr17. Journal of Biological Chemistry, 2009, 284, 28180-28187.	1.6	62
86	CaMKIIÎ´ subtypes differentially regulate infarct formation following ex vivo myocardial ischemia/reperfusion through NF-ÎºB and TNF-Î±. Journal of Molecular and Cellular Cardiology, 2017, 103, 48-55.	0.9	62
87	RHO SIGNALING in Vascular Diseases. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2004, 4, 348-357.	3.4	62
88	CaMKII-dependent phosphorylation of cardiac ryanodine receptors regulates cell death in cardiac ischemia/reperfusion injury. Journal of Molecular and Cellular Cardiology, 2014, 74, 274-283.	0.9	61
89	Lysophosphatidic acid induces hypertrophy of neonatal cardiac myocytes via activation of Gi and Rho. Journal of Molecular and Cellular Cardiology, 2004, 36, 481-493.	0.9	60
90	Ca2+ Dysregulation Induces Mitochondrial Depolarization and Apoptosis. Journal of Biological Chemistry, 2005, 280, 38505-38512.	1.6	57

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91	Cardiomyocyte Calcium and Calcium/Calmodulin-dependent Protein Kinase II: Friends or Foes?. Endocrine Reviews, 2004, 59, 141-168.	7.1	56
92	PLCÎµ, PKD1, and SSH1L Transduce RhoA Signaling to Protect Mitochondria from Oxidative Stress in the Heart. Science Signaling, 2013, 6, ra108.	1.6	54
93	Inflammation in nonischemic heart disease: initiation by cardiomyocyte CaMKII and NLRP3 inflammasome signaling. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H877-H890.	1.5	54
94	RhoA regulates Drp1 mediated mitochondrial fission through ROCK to protect cardiomyocytes. Cellular Signalling, 2018, 50, 48-57.	1.7	49
95	YAP and MRTF-A, transcriptional co-activators of RhoA-mediated gene expression, are critical for glioblastoma tumorigenicity. Oncogene, 2018, 37, 5492-5507.	2.6	49
96	Cardiac Hypertrophy and Heart Failure Development Through Gq and CaM Kinase II Signaling. Journal of Cardiovascular Pharmacology, 2010, 56, 598-603.	0.8	48
97	Intracellular signalling mechanism responsible for modulation of sarcolemmal ATPâ€sensitive potassium channels by nitric oxide in ventricular cardiomyocytes. Journal of Physiology, 2014, 592, 971-990.	1.3	48
98	The Ras-related Protein, Rap1A, Mediates Thrombin-stimulated, Integrin-dependent Glioblastoma Cell Proliferation and Tumor Growth. Journal of Biological Chemistry, 2014, 289, 17689-17698.	1.6	47
99	Mitochondrial Reprogramming Induced by CaMKIIÎ´ Mediates Hypertrophy Decompensation. Circulation Research, 2015, 116, e28-39.	2.0	47
100	Upregulation of GLUT1 expression is necessary for hypertrophy and survival of neonatal rat cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2003, 35, 1217-1227.	0.9	46
101	The Rho effector, PKN, regulates ANF gene transcription in cardiomyocytes through a serum response element. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1769-H1774.	1.5	45
102	Revisited and Revised: Is RhoA Always a Villain in Cardiac Pathophysiology?. Journal of Cardiovascular Translational Research, 2010, 3, 330-343.	1.1	44
103	Thrombin receptor and RhoA mediate cell proliferation through integrins and cysteineâ€rich protein 61. FASEB Journal, 2008, 22, 4011-4021.	0.2	43
104	Nonequilibrium Reactivation of Na + Current Drives Early Afterdepolarizations in Mouse Ventricle. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 1205-1213.	2.1	42
105	RGS16 inhibits signalling through the GÎ±13â€"Rho axis. Nature Cell Biology, 2003, 5, 1095-1103.	4.6	41
106	Bitopic Sphingosine 1-Phosphate Receptor 3 (S1P3) Antagonist Rescue from Complete Heart Block: Pharmacological and Genetic Evidence for Direct S1P3 Regulation of Mouse Cardiac Conduction. Molecular Pharmacology, 2016, 89, 176-186.	1.0	41
107	SiglecF(HI) Marks Lateâ€Stage Neutrophils of the Infarcted Heart: A Singleâ€Cell Transcriptomic Analysis of Neutrophil Diversification. Journal of the American Heart Association, 2021, 10, e019019.	1.6	41
108	GÎ±q expression activates EGFR andÂinduces Akt mediated cardiomyocyte survival: dissociation from GÎ±q mediated hypertrophy. Journal of Molecular and Cellular Cardiology, 2006, 40, 597-604.	0.9	36

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109	G Protein-Coupled Receptors Go Extracellular: RhoA Integrates the Integrins. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2008, 8, 165-173.	3.4	36
110	Î²-Adrenergic receptor stimulated Ncx1 upregulation is mediated via a CaMKII/AP-1 signaling pathway in adult cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2010, 48, 342-351.	0.9	34
111	Overexpression of CaMKIIÎ´c in RyR2R4496C+/âˆ' Knock-In Mice Leads to Altered Intracellular Ca2+ Handling and Increased Mortality. Journal of the American College of Cardiology, 2011, 57, 469-479.	1.2	34
112	Inositol Polyphosphate 1-Phosphatase Is a Novel Antihypertrophic Factor. Journal of Biological Chemistry, 2002, 277, 22734-22742.	1.6	33
113	Selective coupling of the S1P 3 receptor subtype to S1P-mediated RhoA activation and cardioprotection. Journal of Molecular and Cellular Cardiology, 2017, 103, 1-10.	0.9	33
114	The G12 coupled thrombin receptor stimulates mitogenesis through the Shc SH2 domain. Oncogene, 1997, 15, 595-600.	2.6	32
115	Rho-mediated cytoskeletal rearrangement in response to LPA is functionally antagonized by Rac1 and PIP2. Journal of Neurochemistry, 2004, 91, 501-512.	2.1	32
116	Phosphoinositide-generated second messengers in cardiac signal transduction. Trends in Cardiovascular Medicine, 1992, 2, 209-214.	2.3	31
117	Protein kinase CÉ›-dependent activation of proline-rich tyrosine kinase 2Âin neonatal rat ventricular myocytes. Journal of Molecular and Cellular Cardiology, 2003, 35, 1121-1133.	0.9	31
118	CaMKIIÎ´C Drives Early Adaptive Ca 2+ Change and Late Eccentric Cardiac Hypertrophy. Circulation Research, 2020, 127, 1159-1178.	2.0	31
119	Muscarinic-dopaminergic synergism on retinal cyclic AMP formation. Brain Research, 1981, 215, 388-392.	1.1	30
120	Calmodulin and Ca2+/calmodulin kinases in the heart â€" Physiology and pathophysiology. Cardiovascular Research, 2007, 73, 629-630.	1.8	30
121	Induction of the matricellular protein CCN1 through RhoA and MRTF-A contributes to ischemic cardioprotection. Journal of Molecular and Cellular Cardiology, 2014, 75, 152-161.	0.9	29
122	Does phosphoinositide hydrolysis mediate â€˜inhibitoryâ€™ as well as â€˜excitatoryâ€™ muscarinic responses?. Trends in Pharmacological Sciences, 1984, 5, 417-419.	4.0	28
123	CaMKIIÎ´C Slows [Ca]i Decline in Cardiac Myocytes by Promoting Ca Sparks. Biophysical Journal, 2012, 102, 2461-2470.	0.2	28
124	M1Muscarinic Receptors Heterologously Expressed in Cardiac Myocytes Mediate Ras-dependent Changes in Gene Expression. Journal of Biological Chemistry, 1995, 270, 8446-8451.	1.6	26
125	The promise of CaMKII inhibition for heart disease: preventing heart failure and arrhythmias. Expert Opinion on Therapeutic Targets, 2013, 17, 889-903.	1.5	26
126	PLCÎµ mediated sustained signaling pathways. Advances in Biological Regulation, 2015, 57, 17-23.	1.4	26

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127	Differences and Similarities in Muscarinic Receptors of Rat Heart and Retina: Effects of Agonists, Guanine Nucleotides, and N-Ethylmaleimide. Journal of Neurochemistry, 1984, 43, 214-220.	2.1	25
128	Decline in cellular function of aged mouse câ€kit⁺ cardiac progenitor cells. Journal of Physiology, 2017, 595, 6249-6262.	1.3	25
129	A secretory pathway kinase regulates sarcoplasmic reticulum Ca2+ homeostasis and protects against heart failure. ELife, 2018, 7, .	2.8	22
130	Effects of mango and mint pod-based e-cigarette aerosol inhalation on inflammatory states of the brain, lung, heart, and colon in mice. ELife, 2022, 11, .	2.8	22
131	UTP but not ATP causes hypertrophic growth in neonatal rat cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2003, 35, 287-292.	0.9	21
132	In vivo selective expression of thyroid hormone receptor Î±1 in endothelial cells attenuates myocardial injury in experimental myocardial infarction in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R340-R346.	0.9	21
133	Reductions in the Cardiac Transient Outward K+ Current Ito Caused by Chronic Î²-Adrenergic Receptor Stimulation Are Partly Rescued by Inhibition of Nuclear Factor Î°B. Journal of Biological Chemistry, 2016, 291, 4156-4165.	1.6	19
134	Cardioprotective stimuli mediate phosphoinositide 3-kinase and phosphoinositide dependent kinase 1 nuclear accumulation in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2009, 47, 96-103.	0.9	18
135	Crossing signals: relationships between Î²-adrenergic stimulation and CaMKII activation. Heart Rhythm, 2011, 8, 1296-1298.	0.3	17
136	Spatiotemporal restriction of endothelial cell calcium signaling is required during leukocyte transmigration. Journal of Experimental Medicine, 2021, 218, .	4.2	17
137	Pathways and roadblocks in muscarinic receptor-mediated growth regulation. Life Sciences, 1997, 60, 1077-1084.	2.0	16
138	Thrombin Promotes Sustained Signaling and Inflammatory Gene Expression through the CDC25 and Ras-associating Domains of Phospholipase CÏµ. Journal of Biological Chemistry, 2015, 290, 26776-26783.	1.6	16
139	Pertussis Toxin-Sensitive and -Insensitive Thrombin Stimulation of Shc Phosphorylation and Mitogenesis Are Mediated through Distinct Pathways. Molecular Endocrinology, 1999, 13, 1988-2001.	3.7	15
140	Identification of Potential Small Molecule Binding Pockets on Rho Family GTPases. PLoS ONE, 2012, 7, e40809.	1.1	15
141	Sphingosine 1-phosphate elicits RhoA-dependent proliferation and MRTF-A mediated gene induction in CPCs. Cellular Signalling, 2016, 28, 871-879.	1.7	15
142	Exercise training reverses myocardial dysfunction induced by CaMKIIÎ´_Coverexpression by restoring Ca²⁺homeostasis. Journal of Applied Physiology, 2016, 121, 212-220.	1.2	14
143	Coâ€occurrence of <i>BAP1</i> and <i>SF3B1</i> mutations in uveal melanoma induces cellular senescence. Molecular Oncology, 2022, 16, 607-629.	2.1	12
144	RhoA signaling increases mitophagy and protects cardiomyocytes against ischemia by stabilizing PINK1 protein and recruiting Parkin to mitochondria. Cell Death and Differentiation, 2022, 29, 2472-2486.	5.0	12

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145	A 22 kDaras-related G-protein is the substrate for an ADP-ribosyltransferase fromClostridium botulinum. FEBS Letters, 1988, 238, 22-26.	1.3	9
146	ATPase Inhibitory Factor-1 Disrupts Mitochondrial Ca2+ Handling and Promotes Pathological Cardiac Hypertrophy through CaMKIIÎ´. International Journal of Molecular Sciences, 2021, 22, 4427.	1.8	9
147	Dephosphorylation and activation of exogenous glycogen synthase by adipose-tissue phosphatase. Biochemical Journal, 1980, 188, 221-228.	1.7	7
148	Drp1 and Mitochondrial Autophagy Lend a Helping Hand in Adaptation to Pressure Overload. Circulation, 2016, 133, 1225-1227.	1.6	7
149	Histamine-induced biphasic activation of RhoA allows for persistent RhoA signaling. PLoS Biology, 2020, 18, e3000866.	2.6	6
150	The contribution of the cardiomyocyte to tissue inflammation in cardiomyopathies. Current Opinion in Physiology, 2021, 19, 129-134.	0.9	6
151	Pertussis Toxin-Sensitive and -Insensitive Thrombin Stimulation of Shc Phosphorylation and Mitogenesis Are Mediated through Distinct Pathways. , 0, .		6
152	Lipid signalling in cardiovascular pathophysiology. Cardiovascular Research, 2008, 82, 171-174.	1.8	5
153	Muscarinic Cholinergic Receptor Regulation of Inositol Phospholipid Metabolism and Calcium Mobilization. , 1989, , 259-307.		5
154	The First 50 Years of Molecular Pharmacology. Molecular Pharmacology, 2015, 88, 139-140.	1.0	4
155	Pulsatile equibiaxial stretch inhibits thrombin-induced RhoA and NF-Î°B activation. Biochemical and Biophysical Research Communications, 2008, 372, 216-220.	1.0	3
156	<scp>CaMKII</scp> confirms its promise in ischaemic heart disease. European Journal of Heart Failure, 2014, 16, 1268-1269.	2.9	3
157	Akt regulates L-type Ca2+channel activity by modulating CavÎ±1 protein stability. Journal of General Physiology, 2009, 133, i4-i4.	0.9	1
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