Hemal H Patel

List of Publications by Year in Descending Order

162 papers	5,678 citations	42 h-index	71 g-index
186 ext. papers	6,488 ext. citations	4.8 avg, IF	5.56 L-index

#	Paper	IF	Citations
162	Methyl mercaptan gas: mechanisms of toxicity and demonstration of the effectiveness of cobinamide as an antidote in mice and rabbits.. *Clinical Toxicology*, **2022**, 1-8	2.9	1
161	Caveolin-1 controls mitochondrial damage and ROS production by regulating fission - fusion dynamics and mitophagy.. *Redox Biology*, **2022**, 52, 102304	11.3	2
160	Immunosuppression of Macrophages Underlies the Cardioprotective Effects of CST (Catestatin). *Hypertension*, **2021**, 77, 1670-1682	8.5	8
159	Benign paroxysmal positional vertigo in the emergency department: An observational study of an Australian regional hospital's acute clinical practice. *EMA - Emergency Medicine Australasia*, **2021**, 33, 1082-1087	1.5	0
158	Microliter ultrafast centrifuge platform for size-based particle and cell separation and extraction using novel omnidirectional spiral surface acoustic waves. *Lab on A Chip*, **2021**, 21, 904-915	7.2	12
157	Morphine induces physiological, structural, and molecular benefits in the diabetic myocardium. *FASEB Journal*, **2021**, 35, e21407	0.9	3
156	Sleep/wake calcium dynamics, respiratory function, and ROS production in cardiac mitochondria. *Journal of Advanced Research*, **2021**, 31, 35-47	13	1
155	Extracellular Vesicles: A New Paradigm for Cellular Communication in Perioperative Medicine, Critical Care, and Pain Management. *Anesthesia and Analgesia*, **2021**, 133, 1162-1179	3.9	
154	PTPMT1 Is Required for Embryonic Cardiac Cardiolipin Biosynthesis to Regulate Mitochondrial Morphogenesis and Heart Development. *Circulation*, **2021**, 144, 403-406	16.7	3
153	Protective role of cardiac-specific overexpression of caveolin-3 in cirrhotic cardiomyopathy. *American Journal of Physiology - Renal Physiology*, **2020**, 318, G531-G541	5.1	1
152	The caveolar-mitochondrial interface: regulation of cellular metabolism in physiology and pathophysiology. *Biochemical Society Transactions*, **2020**, 48, 165-177	5.1	5
151	Loss of Immunohistochemical Reactivity in Association With Handling-Induced Dark Neurons in Mouse Brains. *Toxicologic Pathology*, **2020**, 48, 437-445	2.1	1
150	Dietary α-Linolenic Acid Counters Cardioprotective Dysfunction in Diabetic Mice: Unconventional PUFA Protection. *Nutrients*, **2020**, 12,	6.7	6
149	Inducing Mild Traumatic Brain Injury in C. elegans via Cavitation-Free Surface Acoustic Wave-Driven Ultrasonic Irradiation. *Scientific Reports*, **2019**, 9, 12775	4.9	12
148	Metabolomic analysis of serum and myocardium in compensated heart failure after myocardial infarction. *Life Sciences*, **2019**, 221, 212-223	6.8	9
147	Helium-Induced Changes in Circulating Caveolin in Mice Suggest a Novel Mechanism of Cardiac Protection. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	9
146	Deletion of caveolin scaffolding domain alters cancer cell migration. *Cell Cycle*, **2019**, 18, 1268-1280	4.7	12

145	Early hyperbaric oxygen therapy improves survival in a model of severe sepsis. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2019**, 317, R160-R168	3.2	15
144	Plasma from Volunteers Breathing Helium Reduces Hypoxia-Induced Cell Damage in Human Endothelial Cells-Mechanisms of Remote Protection Against Hypoxia by Helium. *Cardiovascular Drugs and Therapy*, **2019**, 33, 297-306	3.9	5
143	Neuron-targeted caveolin-1 improves neuromuscular function and extends survival in SOD1 mice. *FASEB Journal*, **2019**, 33, 7545-7554	0.9	12
142	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. *Science*, **2019**, 364,	33.3	300
141	Aortic pathology from protein kinase G activation is prevented by an antioxidant vitamin B analog. *Nature Communications*, **2019**, 10, 3533	17.4	15
140	Caveolin-1 Phosphorylation Is Essential for Axonal Growth of Human Neurons Derived From iPSCs. *Frontiers in Cellular Neuroscience*, **2019**, 13, 324	6.1	9
139	1 + 1 = 4? Balanced anaesthesia: A sum that is greater than its parts. *British Journal of Pharmacology* , **2019**, 176, 4785-4786	8.6	3
138	Cardiac ischemia-reperfusion injury induces ROS-dependent loss of PKA regulatory subunit RI *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 317, H1231-H1242	5.2	15
137	Caveolin scaffolding domain plays an important role in cancer cell migration. *FASEB Journal*, **2019**, 33, 815.12	0.9	
136	Sex Differences in Type-2 Diabetes: Implications for Caveolin-3 Regulated Mitochondrial Function. *FASEB Journal*, **2019**, 33, 830.4	0.9	
135	Cardiac-specific overexpression of caveolin-3 preserves t-tubular I during heart failure in mice. *Experimental Physiology*, **2019**, 104, 654-666	2.4	6
134	The Evolution of Cholesterol-Rich Membrane in Oxygen Adaption: The Respiratory System as a Model. *Frontiers in Physiology*, **2019**, 10, 1340	4.6	5
133	Atorvastatin, but not pravastatin, inhibits cardiac Akt/mTOR signaling and disturbs mitochondrial ultrastructure in cardiac myocytes. *FASEB Journal*, **2019**, 33, 1209-1225	0.9	15
132	Metformin intervention prevents cardiac dysfunction in a murine model of adult congenital heart disease. *Molecular Metabolism*, **2019**, 20, 102-114	8.8	6
131	Delta Opioid Receptors and Cardioprotection. *Handbook of Experimental Pharmacology*, **2018**, 247, 301-334	3.4	11
130	Caveolins as Regulators of Stress Adaptation. *Molecular Pharmacology*, **2018**, 93, 277-285	4.3	8
129	The Effects of Aging on the Regulation of T-Tubular ICa by Caveolin in Mouse Ventricular Myocytes. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 711-719	6.4	12
128	Phosphorylation of protein kinase A (PKA) regulatory subunit RI by protein kinase G (PKG) primes PKA for catalytic activity in cells. *Journal of Biological Chemistry*, **2018**, 293, 4411-4421	5.4	15

127	Isoflurane Impacts Murine Melanoma Growth in a Sex-Specific, Immune-Dependent Manner: A Brief Report. *Anesthesia and Analgesia*, **2018**, 126, 1910-1913	3.9	9
126	Caveolin-3 KO disrupts t-tubule structure and decreases t-tubular I density in mouse ventricular myocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H1101-H1111	5.2	21
125	No pain, no gain: balancing central versus peripheral benefits of analgesics in the age of the opioid crisis. *British Journal of Pharmacology*, **2018**, 175, 855-856	8.6	2
124	Neuron-Targeted Caveolin-1 Promotes Ultrastructural and Functional Hippocampal Synaptic Plasticity. *Cerebral Cortex*, **2018**, 28, 3255-3266	5.1	16
123	Human-like Cmah inactivation in mice increases running endurance and decreases muscle fatigability: implications for human evolution. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	14
122	Neuron-Targeted Caveolin-1 Improves Molecular Signaling, Plasticity, and Behavior Dependent on the Hippocampus in Adult and Aged Mice. *Biological Psychiatry*, **2017**, 81, 101-110	7.9	33
121	Thy-1 interaction with Fas in lipid rafts regulates fibroblast apoptosis and lung injury resolution. *Laboratory Investigation*, **2017**, 97, 256-267	5.9	26
120	Neuron-specific caveolin-1 overexpression improves motor function and preserves memory in mice subjected to brain trauma. *FASEB Journal*, **2017**, 31, 3403-3411	0.9	14
119	Caveolin-1 regulation of disrupted-in-schizophrenia-1 as a potential therapeutic target for schizophrenia. *Journal of Neurophysiology*, **2017**, 117, 436-444	3.2	16
118	Hypoxia-inducible factor-1 activation improves renal oxygenation and mitochondrial function in early chronic kidney disease. *American Journal of Physiology - Renal Physiology*, **2017**, 313, F282-F290	4.3	25
117	Caveolins and cavins in the trafficking, maturation, and degradation of caveolae: implications for cell physiology. *American Journal of Physiology - Cell Physiology*, **2017**, 312, C459-C477	5.4	58
116	Altered Penile Caveolin Expression in Diabetes: Potential Role in Erectile Dysfunction. *Journal of Sexual Medicine*, **2017**, 14, 1177-1186	1.1	4
115	Myocyte membrane and microdomain modifications in diabetes: determinants of ischemic tolerance and cardioprotection. *Cardiovascular Diabetology*, **2017**, 16, 155	8.7	19
114	Modulation of caveolins, integrins and plasma membrane repair proteins in anthracycline-induced heart failure in rabbits. *PLoS ONE*, **2017**, 12, e0177660	3.7	7
113	Genetically Encoded Biosensors Reveal PKA Hyperphosphorylation on the Myofilaments in Rabbit Heart Failure. *Circulation Research*, **2016**, 119, 931-43	15.7	29
112	Chronic 1-adrenoceptor blockade impairs ischaemic tolerance and preconditioning in murine myocardium. *European Journal of Pharmacology*, **2016**, 789, 1-7	5.3	7
111	Helium postconditioning regulates expression of caveolin-1 and -3 and induces RISK pathway activation after ischaemia/reperfusion in cardiac tissue of rats. *European Journal of Pharmacology*, **2016**, 791, 718-725	5.3	13
110	Hydrogen Sulfide--Mechanisms of Toxicity and Development of an Antidote. *Scientific Reports*, **2016** , 6, 20831	4.9	120

109	Non-canonical roles for caveolin in regulation of membrane repair and mitochondria: implications for stress adaptation with age. *Journal of Physiology*, **2016**, 594, 4581-9	3.9	5
108	The plasma membrane as a capacitor for energy and metabolism. *American Journal of Physiology - Cell Physiology*, **2016**, 310, C181-92	5.4	39
107	Caveolin-3 plays a critical role in autophagy after ischemia-reperfusion. *American Journal of Physiology - Cell Physiology*, **2016**, 311, C854-C865	5.4	18
106	Electrophysiology and metabolism of caveolin-3-overexpressing mice. *Basic Research in Cardiology*, **2016**, 111, 28	11.8	12
105	Caveolins in cardioprotection - translatability and mechanisms. *British Journal of Pharmacology*, **2015**, 172, 2114-25	8.6	21
104	Caveolin-3 Overexpression Attenuates Cardiac Hypertrophy via Inhibition of T-type Ca2+ Current Modulated by Protein Kinase C□n Cardiomyocytes. *Journal of Biological Chemistry*, **2015**, 290, 22085-100	5.4	39
103	Caveolin modulates integrin function and mechanical activation in the cardiomyocyte. *FASEB Journal*, **2015**, 29, 374-84	0.9	20
102	Distinct pathways of cholesterol biosynthesis impact on insulin secretion. *Journal of Endocrinology*, **2015**, 224, 75-84	4.7	19
101	Role of caveolin-3 in lymphocyte activation. *Life Sciences*, **2015**, 121, 35-9	6.8	2
100	Nitrocobinamide, a new cyanide antidote that can be administered by intramuscular injection. *Journal of Medicinal Chemistry*, **2015**, 58, 1750-9	8.3	27
99	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. *Cardiovascular Research*, **2015**, 106, 227-36	9.9	63
98	Helium Postconditioning Regulates Caveolin-1/-3 Translocation and Gene Expression. *FASEB Journal*, **2015**, 29, 1025.15	0.9	
97	Novel Roles for Catestatin in Cardiac Metabolism and Physiology. *FASEB Journal*, **2015**, 29, 1025.12	0.9	
96	Ischemic Tolerance and Conventional Preconditioning are Impaired by Chronic □-Blockade. *FASEB Journal*, **2015**, 29, 635.1	0.9	
95	Long-term atorvastatin treatment leads to alterations in behavior, cognition, and hippocampal biochemistry. *Behavioural Brain Research*, **2014**, 267, 6-11	3.4	21
94	High-fat diet-induced impairment of skeletal muscle insulin sensitivity is not prevented by SIRT1 overexpression. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 307, E764-72	6	34
93	Caveolin-1 modulates cardiac gap junction homeostasis and arrhythmogenecity by regulating cSrc tyrosine kinase. *Circulation: Arrhythmia and Electrophysiology*, **2014**, 7, 701-10	6.4	24
92	Regulation of intracellular signaling and function by caveolin. *FASEB Journal*, **2014**, 28, 3823-31	0.9	126

91	Dysfunctional survival-signaling and stress-intolerance in aged murine and human myocardium. *Experimental Gerontology*, **2014**, 50, 72-81	4.5	46
90	Sarcolemmal cholesterol and caveolin-3 dependence of cardiac function, ischemic tolerance, and opioidergic cardioprotection. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 307, H895-903	5.2	28
89	Interaction of membrane/lipid rafts with the cytoskeleton: impact on signaling and function: membrane/lipid rafts, mediators of cytoskeletal arrangement and cell signaling. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 532-45	3.8	336
88	Signaling epicenters: the role of caveolae and caveolins in volatile anesthetic induced cardiac protection. *Current Pharmaceutical Design*, **2014**, 20, 5681-9	3.3	5
87	Cardioprotective trafficking of caveolin to mitochondria is Gi-protein dependent. *Anesthesiology*, **2014**, 121, 538-48	4.3	23
86	Epicatechin regulation of mitochondrial structure and function is opioid receptor dependent. *Molecular Nutrition and Food Research*, **2013**, 57, 1007-14	5.9	25
85	Caveolin isoform switching as a molecular, structural, and metabolic regulator of microglia. *Molecular and Cellular Neurosciences*, **2013**, 56, 283-97	4.8	18
84	Quantitative proteomic and functional analysis of liver mitochondria from high fat diet (HFD) diabetic mice. *Molecular and Cellular Proteomics*, **2013**, 12, 3744-58	7.6	48
83	Increase in cellular cyclic AMP concentrations reverses the profibrogenic phenotype of cardiac myofibroblasts: a novel therapeutic approach for cardiac fibrosis. *Molecular Pharmacology*, **2013**, 84, 787-93	4.3	36
82	A kinase interacting protein (AKIP1) is a key regulator of cardiac stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E387-96	11.5	26
81	Lipid-induced toxicity stimulates hepatocytes to release angiogenic microparticles that require Vanin-1 for uptake by endothelial cells. *Science Signaling*, **2013**, 6, ra88	8.8	127
80	Intravenous adeno-associated virus serotype 8 encoding urocortin-2 provides sustained augmentation of left ventricular function in mice. *Human Gene Therapy*, **2013**, 24, 777-85	4.8	16
79	AKIP1 expression modulates mitochondrial function in rat neonatal cardiomyocytes. *PLoS ONE*, **2013**, 8, e80815	3.7	15
78	Impairment of TRPC1-STIM1 channel assembly and AQP5 translocation compromise agonist-stimulated fluid secretion in mice lacking caveolin1. *Journal of Cell Science*, **2013**, 126, 667-75	5.3	46
77	Integrins protect cardiomyocytes from ischemia/reperfusion injury. *Journal of Clinical Investigation*, **2013**, 123, 4294-308	15.9	44
76	Caveolin and caveolae in age associated cardiovascular disease. *Journal of Geriatric Cardiology*, **2013**, 10, 66-74	1.7	25
75	Caveolin-1 overexpression repairs neuronal degradation in the setting of traumatic brain injury. *FASEB Journal*, **2013**, 27, 693.10	0.9	1
74	Knockout of type VI collagen preserves mitochondrial structure and function following myocardial infarction. *FASEB Journal*, **2013**, 27, lb674	0.9	2

73	AKIP1 protects against cardiac injury via enhanced mitochondrial function. *FASEB Journal*, **2013**, 27, 657.3	0.9	
72	Caveolin-1 regulates neuronal regeneration in peripheral nerve crush injury via regulation of Schwann cell function. *FASEB Journal*, **2013**, 27, 1142.8	0.9	
71	Angiotensin-II induced cardiac hypertrophic responses are mediated via PKC and NFAT signaling is attenuated by caveolin-3 in ventricular myocytes. *FASEB Journal*, **2013**, 27, 1197.2	0.9	
70	Dynamic expression and localization of Protein Kinase A regulatory subunit RIIn cardiac mitochondria controls response to oxidative stress. *FASEB Journal*, **2013**, 27, 1209.22	0.9	
69	Generation of caveolin-2 overexpressing C. elegans and their response to stress. *FASEB Journal*, **2013**, 27, 1211.4	0.9	
68	Caveolins and heart diseases. *Advances in Experimental Medicine and Biology*, **2012**, 729, 145-56	3.6	24
67	Mitochondria-localized caveolin in adaptation to cellular stress and injury. *FASEB Journal*, **2012**, 26, 4637-49	6.9	72
66	Copper influx transporter 1 is required for FGF, PDGF and EGF-induced MAPK signaling. *Biochemical Pharmacology*, **2012**, 84, 1007-13	6	48
65	Detection of caveolin-3/caveolin-1/P2X7R complexes in mice atrial cardiomyocytes in vivo and in vitro. *Histochemistry and Cell Biology*, **2012**, 138, 231-41	2.4	13
64	Caveolins: targeting pro-survival signaling in the heart and brain. *Frontiers in Physiology*, **2012**, 3, 393	4.6	32
63	Effects of noble gas conditioning on Caveolin expression in the rat heart in vivo. *FASEB Journal*, **2012**, 26, 1114.17	0.9	
62	Role of caveolin-3 and mitochondria in protecting the aged myocardium. *FASEB Journal*, **2012**, 26, 864.16	0.9	1
61	Reversible tetracyline-controlled transactivator (rtTA)- inducible expression of neuron-targeted Cav-1 and recovery after neuronal injury. *FASEB Journal*, **2012**, 26, 1035.4	0.9	
60	Neuron-targeted Cav-1 as a novel therapy for Traumatic Brain Injury. *FASEB Journal*, **2012**, 26, 1035.3	0.9	
59	Myocardial cholesterol homeostasis is altered by age and Cav-3 knockdown. *FASEB Journal*, **2012**, 26, 1117.5	0.9	
58	Knockout of type VI collagen improves cardiac function and remodeling following myocardial infarction. *FASEB Journal*, **2012**, 26, 1060.13	0.9	
57	Effect of low-dose epicatechin on mitochondrial function and membrane fluidity. *FASEB Journal*, **2012**, 26, 852.1	0.9	
56	Vasopressin levels in patients undergoing pulmonary thromboendarterectomy (PTE). *FASEB Journal*, **2012**, 26, 684.11	0.9	

55	Cardiac-specific overexpression of caveolin-3 attenuates cardiac hypertrophy and increases natriuretic peptide expression and signaling. *Journal of the American College of Cardiology*, **2011**, 57, 2273-83	15.1	76
54	Role of decoy molecules in neuronal ischemic preconditioning. *Life Sciences*, **2011**, 88, 670-4	6.8	7
53	Volatile anesthetics protect cancer cells against tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis via caveolins. *Anesthesiology*, **2011**, 115, 499-508	4.3	47
52	Role of caveolae in cardiac protection. *Pediatric Cardiology*, **2011**, 32, 329-33	2.1	27
51	Neuron-targeted caveolin-1 protein enhances signaling and promotes arborization of primary neurons. *Journal of Biological Chemistry*, **2011**, 286, 33310-21	5.4	64
50	Caveolin regulation of microglial activation and proliferation. *FASEB Journal*, **2011**, 25, 1007.1	0.9	
49	A new sense of protection: role of the Ca2+-sensing receptor in ischemic preconditioning. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H1300-1	5.2	2
48	Disruption of protein kinase A localization using a trans-activator of transcription (TAT)-conjugated A-kinase-anchoring peptide reduces cardiac function. *Journal of Biological Chemistry*, **2010**, 285, 27632-40	5.4	37
47	Dark chocolate receptors: epicatechin-induced cardiac protection is dependent on delta-opioid receptor stimulation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H1604-9	5.2	46
46	Opioid-induced preconditioning is dependent on caveolin-3 expression. *Anesthesia and Analgesia*, **2010**, 111, 1117-21	3.9	30
45	Loss of caveolin-1 accelerates neurodegeneration and aging. *PLoS ONE*, **2010**, 5, e15697	3.7	120
44	Role of caveolin-3 and glucose transporter-4 in isoflurane-induced delayed cardiac protection. *Anesthesiology*, **2010**, 112, 1136-45	4.3	46
43	Caveolin and the aged myocardium. *FASEB Journal*, **2010**, 24, 819.2	0.9	
42	A role for miR-471 in cardiac ischemia-reperfusion injury. *FASEB Journal*, **2010**, 24, 626.2	0.9	
41	Regulation of mitochondrial function by caveolin-3. *FASEB Journal*, **2010**, 24, 819.1	0.9	
40	EFFECT OF EPICATECHIN AND NALOXONE ON CARDIO-PROTECTIVE PHENOTYPE. *FASEB Journal*, **2010**, 24, 1029.8	0.9	
39	Lipid rafts and caveolae and their role in compartmentation of redox signaling. *Antioxidants and Redox Signaling*, **2009**, 11, 1357-72	8.4	94
38	Membrane rafts and caveolae in cardiovascular signaling. *Current Opinion in Nephrology and Hypertension*, **2009**, 18, 50-6	3.5	56

37	Dynamin and caveolae in cardiac ischemic preconditioning. *FASEB Journal*, **2009**, 23, LB381	0.9	
36	Caveolin-3 expression and caveolae are required for isoflurane-induced cardiac protection from hypoxia and ischemia/reperfusion injury. *Journal of Molecular and Cellular Cardiology*, **2008**, 44, 123-30	5.8	93
35	Caveolae as organizers of pharmacologically relevant signal transduction molecules. *Annual Review of Pharmacology and Toxicology*, **2008**, 48, 359-91	17.9	356
34	The cyclic AMP effector Epac integrates pro- and anti-fibrotic signals. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 6386-91	11.5	113
33	Caveolin-1 expression is essential for N-methyl-D-aspartate receptor-mediated Src and extracellular signal-regulated kinase 1/2 activation and protection of primary neurons from ischemic cell death. *FASEB Journal*, **2008**, 22, 828-40	0.9	86
32	Cardiac-specific overexpression of caveolin-3 induces endogenous cardiac protection by mimicking ischemic preconditioning. *Circulation*, **2008**, 118, 1979-88	16.7	111
31	Regulation of pulmonary vasoconstriction by agonists and caveolae. *Experimental Lung Research*, **2008**, 34, 195-208	2.3	9
30	Mechanisms of cardiac protection from ischemia/reperfusion injury: a role for caveolae and caveolin-1. *FASEB Journal*, **2007**, 21, 1565-74	0.9	112
29	Pathway and gene ontology based analysis of gene expression in a rat model of cerebral ischemic tolerance. *Brain Research*, **2007**, 1177, 103-23	3.7	32
28	Increased smooth muscle cell expression of caveolin-1 and caveolae contribute to the pathophysiology of idiopathic pulmonary arterial hypertension. *FASEB Journal*, **2007**, 21, 2970-9	0.9	111
27	Reactive oxygen species trigger ischemic and pharmacological postconditioning: in vivo and in vitro characterization. *Life Sciences*, **2007**, 81, 1223-7	6.8	107
26	Caveolin-1 knockout mice have decreased enrichment of redox-sensitive enzymes in renal caveolar fractions. *FASEB Journal*, **2007**, 21, A1424	0.9	
25	Cardiac-Specific Overexpression of Caveolin-3 Enhances Akt Phosphorylation. *FASEB Journal*, **2007**, 21, A794	0.9	
24	Protection of adult rat cardiac myocytes from ischemic cell death: role of caveolar microdomains and delta-opioid receptors. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 291, H344-50	5.2	90
23	Role of 12-lipoxygenase in volatile anesthetic-induced delayed preconditioning in mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 291, H979-83	5.2	31
22	Focal adhesions in (myo)fibroblasts scaffold adenylyl cyclase with phosphorylated caveolin. *Journal of Biological Chemistry*, **2006**, 281, 17173-17179	5.4	59
21	Microtubules and actin microfilaments regulate lipid raft/caveolae localization of adenylyl cyclase signaling components. *Journal of Biological Chemistry*, **2006**, 281, 26391-9	5.4	215
20	Cardiac-directed expression of adenylyl cyclase VI facilitates atrioventricular nodal conduction. *Journal of the American College of Cardiology*, **2006**, 48, 559-65	15.1	12

19	Isoflurane produces sustained cardiac protection after ischemia-reperfusion injury in mice. *Anesthesiology*, **2006**, 104, 495-502	4.3	49
18	Localization of caveolae and mitochondria in adult cardiac myocytes: implications for reductive signaling. *FASEB Journal*, **2006**, 20, A691	0.9	
17	Caveolae and lipid rafts: G protein-coupled receptor signaling microdomains in cardiac myocytes. *Annals of the New York Academy of Sciences*, **2005**, 1047, 166-72	6.5	106
16	Sarcolemmal KATP channel triggers delayed ischemic preconditioning in rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 288, H445-7	5.2	54
15	G-protein-coupled receptor signaling components localize in both sarcolemmal and intracellular caveolin-3-associated microdomains in adult cardiac myocytes. *Journal of Biological Chemistry*, **2005**, 280, 31036-44	5.4	173
14	Delayed cardioprotection is mediated via a non-peptide delta opioid agonist, SNC-121, independent of opioid receptor stimulation. *Basic Research in Cardiology*, **2004**, 99, 38-45	11.8	9
13	COX-2 and iNOS in opioid-induced delayed cardioprotection in the intact rat. *Life Sciences*, **2004**, 75, 1291-8	2.8	37
12	Delta-opioid receptor activation mimics ischemic preconditioning in the canine heart. *Journal of Cardiovascular Pharmacology*, **2003**, 42, 78-81	3.1	31
11	12-lipoxygenase in opioid-induced delayed cardioprotection: gene array, mass spectrometric, and pharmacological analyses. *Circulation Research*, **2003**, 92, 676-82	15.7	41
10	Sarcolemmal K(ATP) channel triggers opioid-induced delayed cardioprotection in the rat. *Circulation Research*, **2002**, 91, 186-8	15.7	42
9	Attenuation of heat shock-induced cardioprotection by treatment with the opiate receptor antagonist naloxone. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 282, H2011-7	5.2	14
8	Mitochondrial KATP channels and cardioprotection. *Drug Development Research*, **2002**, 55, 17-21	5.1	3
7	Delta opioid agonists and volatile anesthetics facilitate cardioprotection via potentiation of K(ATP) channel opening. *FASEB Journal*, **2002**, 16, 1468-70	0.9	51
6	The disputed role of COX-2 in myocardial infarction, is the jury still out?. *Journal of Molecular and Cellular Cardiology*, **2002**, 34, 1-3	5.8	15
5	Cardioprotection at a distance: mesenteric artery occlusion protects the myocardium via an opioid sensitive mechanism. *Journal of Molecular and Cellular Cardiology*, **2002**, 34, 1317-23	5.8	144
4	BW373U86, a delta opioid agonist, partially mediates delayed cardioprotection via a free radical mechanism that is independent of opioid receptor stimulation. *Journal of Molecular and Cellular Cardiology*, **2001**, 33, 1455-65	5.8	55
3	Stress-activated protein kinase phosphorylation during cardioprotection in the ischemic myocardium. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 281, H1184-92	5.2	75
2	Cardioprotection is strain dependent in rat in response to whole body hyperthermia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 280, H1208-14	5.2	7

1	The zinc finger cluster domain of RanBP2 is a specific docking site for the nuclear export factor, exportin-1. *Journal of Biological Chemistry*, **1999**, 274, 37370-8	5.4	72