Hemal H Patel

List of Publications by Year
in descending order

180	7,285	61857	64668
papers	citations	43 h-index	79 g-index

186	186	186	9247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methyl mercaptan gas: mechanisms of toxicity and demonstration of the effectiveness of cobinamide as an antidote in mice and rabbits. Clinical Toxicology, 2022, 60, 615-622.	0.8	3
2	Tumor Necrosis Factor-Î± Mediates Lung Injury in the Early Phase of Endotoxemia. Pharmaceuticals, 2022, 15, 287.	1.7	4
3	Caveolin-1 controls mitochondrial damage and ROS production by regulating fission - fusion dynamics and mitophagy. Redox Biology, 2022, 52, 102304.	3.9	32
4	Effect of Mediators in the Plasma of Eâ€Cigarette Users on Endothelial and Epithelial Cell Metabolism. FASEB Journal, 2022, 36, .	0.2	0
5	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.	3.1	33
6	Morphine induces physiological, structural, and molecular benefits in the diabetic myocardium. FASEB Journal, 2021, 35, e21407.	0.2	4
7	Immunosuppression of Macrophages Underlies the Cardioprotective Effects of CST (Catestatin). Hypertension, 2021, 77, 1670-1682.	1.3	31
8	Mitochondria Damage as Early Indicator in an APP ^{NLâ€Gâ€F} Mouse Model of Alzheimer's Disease. FASEB Journal, 2021, 35, .	0.2	0
9	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.	0.5	10
10	Editorial policy regarding the citation of preprints in the British Journal of Pharmacology (BJP). British Journal of Pharmacology, 2021, 178, 3605-3610.	2.7	2
11	Sleep/wake calcium dynamics, respiratory function, and ROS production in cardiac mitochondria. Journal of Advanced Research, 2021, 31, 35-47.	4.4	15
12	Extracellular Vesicles: A New Paradigm for Cellular Communication in Perioperative Medicine, Critical Care, and Pain Management. Anesthesia and Analgesia, 2021, Publish Ahead of Print, 1162-1179.	1.1	1
13	PTPMT1 Is Required for Embryonic Cardiac Cardiolipin Biosynthesis to Regulate Mitochondrial Morphogenesis and Heart Development. Circulation, 2021, 144, 403-406.	1.6	12
14	Synapsin-Promoted Caveolin-1 Overexpression Maintains Mitochondrial Morphology and Function in PSAPP Alzheimerâ€™s Disease Mice. Cells, 2021, 10, 2487.	1.8	15
15	aPC/PAR1 confers endothelial anti-apoptotic activity via a discrete, Î²-arrestin-2â€“mediated SphK1-S1PR1-Akt signaling axis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
16	Dexmedetomidine and Cardiac â€œPostconditioningâ€• Anesthesia and Analgesia, 2020, 130, 87-89.	1.1	0
17	Loss of Immunohistochemical Reactivity in Association With Handling-Induced Dark Neurons in Mouse Brains. Toxicologic Pathology, 2020, 48, 437-445.	0.9	1
18	Dietary Î±-Linolenic Acid Counters Cardioprotective Dysfunction in Diabetic Mice: Unconventional PUFA Protection. Nutrients, 2020, 12, 2679.	1.7	13

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19	Protective role of cardiac-specific overexpression of caveolin-3 in cirrhotic cardiomyopathy. American Journal of Physiology - Renal Physiology, 2020, 318, G531-G541.	1.6	6
20	The caveolar-mitochondrial interface: regulation of cellular metabolism in physiology and pathophysiology. Biochemical Society Transactions, 2020, 48, 165-177.	1.6	9
21	Aortic pathology from protein kinase G activation is prevented by an antioxidant vitamin B12 analog. Nature Communications, 2019, 10, 3533.	5.8	30
22	Caveolin-1 Phosphorylation Is Essential for Axonal Growth of Human Neurons Derived From iPSCs. Frontiers in Cellular Neuroscience, 2019, 13, 324.	1.8	16
23	1 + 1 = 4? Balanced anaesthesia: A sum that is greater than its parts. British Journal of Pharmacology, 2019, 176, 4785-4786.	2.7	3
24	Cardiac ischemia-reperfusion injury induces ROS-dependent loss of PKA regulatory subunit RIÎ±. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1231-H1242.	1.5	23
25	Inducing Mild Traumatic Brain Injury in C. elegans via Cavitation-Free Surface Acoustic Wave-Driven Ultrasonic Irradiation. Scientific Reports, 2019, 9, 12775.	1.6	20
26	Metabolomic analysis of serum and myocardium in compensated heart failure after myocardial infarction. Life Sciences, 2019, 221, 212-223.	2.0	19
27	Helium-Induced Changes in Circulating Caveolin in Mice Suggest a Novel Mechanism of Cardiac Protection. International Journal of Molecular Sciences, 2019, 20, 2640.	1.8	14
28	Deletion of caveolin scaffolding domain alters cancer cell migration. Cell Cycle, 2019, 18, 1268-1280.	1.3	12
29	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.	0.9	29
30	Plasma from Volunteers Breathing Helium Reduces Hypoxia-Induced Cell Damage in Human Endothelial Cellsâ€"Mechanisms of Remote Protection Against Hypoxia by Helium. Cardiovascular Drugs and Therapy, 2019, 33, 297-306.	1.3	6
31	Neuronâ€targeted caveolinâ€1 improves neuromuscular function and extends survival in SOD1 ^{G93A} mice. FASEB Journal, 2019, 33, 7545-7554.	0.2	24
32	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. Science, 2019, 364, .	6.0	576
33	Cardiacâ€specific overexpression of caveolinâ€3 preserves tâ€tubular I Ca during heart failure in mice. Experimental Physiology, 2019, 104, 654-666.	0.9	11
34	The Evolution of Cholesterol-Rich Membrane in Oxygen Adaption: The Respiratory System as a Model. Frontiers in Physiology, 2019, 10, 1340.	1.3	13
35	Atorvastatin, but not pravastatin, inhibits cardiac Akt/mTOR signaling and disturbs mitochondrial ultrastructure in cardiac myocytes. FASEB Journal, 2019, 33, 1209-1225.	0.2	28
36	Metformin intervention prevents cardiac dysfunction in a murine model of adult congenital heart disease. Molecular Metabolism, 2019, 20, 102-114.	3.0	11

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37	Caveolin scaffolding domain plays an important role in cancer cell migration. FASEB Journal, 2019, 33, 815.12.	0.2	0
38	RhoA inhibition and Rac1 Activation Increases Mitochondrial Respiration in Propofol Induced Neonatal Neurotoxicity. FASEB Journal, 2019, 33, 813.16.	0.2	0
39	Sex Differences in Typeâ€2 Diabetes: Implications for Caveolinâ€3 Regulated Mitochondrial Function. FASEB Journal, 2019, 33, 830.4.	0.2	0
40	Caveolins as Regulators of Stress Adaptation. Molecular Pharmacology, 2018, 93, 277-285.	1.0	15
41	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.	1.7	16
42	Phosphorylation of protein kinase A (PKA) regulatory subunit RIÎ± by protein kinase G (PKG) primes PKA for catalytic activity in cells. Journal of Biological Chemistry, 2018, 293, 4411-4421.	1.6	25
43	Isoflurane Impacts Murine Melanoma Growth in a Sex-Specific, Immune-Dependent Manner. Anesthesia and Analgesia, 2018, 126, 1910-1913.	1.1	12
44	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.	2.7	2
45	Neuron-Targeted Caveolin-1 Promotes Ultrastructural and Functional Hippocampal Synaptic Plasticity. Cerebral Cortex, 2018, 28, 3255-3266.	1.6	30
46	1596: GREATER MODIFIED FRAILTY INDEX IS ASSOCIATED WITH INCREASED MORBIDITY IN HIP FRACTURE. Critical Care Medicine, 2018, 46, 782-782.	0.4	0
47	1600: PSYCHIATRIC ILLNESS IN TRAUMA PATIENTS IS ASSOCIATED WITH INCREASED MORTALITY AND MORBIDITY. Critical Care Medicine, 2018, 46, 784-784.	0.4	0
48	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, 20181656.	1.2	21
49	Caveolin-3 KO disrupts t-tubule structure and decreases t-tubularI_{Ca}density in mouse ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1101-H1111.	1.5	31
50	Novel Marine Compounds Modulate Mitochondrial Function in H9c2 Cells: Potential New Pharmaceutical Targets to Control Cardiac Metabolism. FASEB Journal, 2018, 32, .	0.2	0
51	Loss of Caveolinâ€3 (Cavâ€3) Promotes Gâ€proteinâ€regulated Matrix Metalloprotease 14 (MMP14) Activation in the Aged Heart. FASEB Journal, 2018, 32, .	0.2	0
52	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.	0.7	51
53	Delta Opioid Receptors and Cardioprotection. Handbook of Experimental Pharmacology, 2017, 247, 301-334.	0.9	12
54	Thy-1 interaction with Fas in lipid rafts regulates fibroblast apoptosis and lung injury resolution. Laboratory Investigation, 2017, 97, 256-267.	1.7	40

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55	Neuronâ€specific caveolinâ€1 overexpression improves motor function and preserves memory in mice subjected to brain trauma. FASEB Journal, 2017, 31, 3403-3411.	0.2	22
56	Caveolin-1 regulation of disrupted-in-schizophrenia-1 as a potential therapeutic target for schizophrenia. Journal of Neurophysiology, 2017, 117, 436-444.	0.9	27
57	Hypoxia-inducible factor-1Î± activation improves renal oxygenation and mitochondrial function in early chronic kidney disease. American Journal of Physiology - Renal Physiology, 2017, 313, F282-F290.	1.3	37
58	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.	2.1	88
59	Altered Penile Caveolin Expression in Diabetes: Potential Role in Erectile Dysfunction. Journal of Sexual Medicine, 2017, 14, 1177-1186.	0.3	6
60	Myocyte membrane and microdomain modifications in diabetes: determinants of ischemic tolerance and cardioprotection. Cardiovascular Diabetology, 2017, 16, 155.	2.7	25
61	Modulation of caveolins, integrins and plasma membrane repair proteins in anthracycline-induced heart failure in rabbits. PLoS ONE, 2017, 12, e0177660.	1.1	12
62	Abstract 24070: Cardiac-Specific Overexpression Of Caveolin-3 Expedites Cardiac Relaxation After Adrenergic Stimulation. Circulation, 2017, 136, .	1.6	0
63	A Slick Way Volatile Anesthetics Reduce Myocardial Injury. Anesthesiology, 2016, 124, 986-988.	1.3	3
64	Caveolin-3 plays a critical role in autophagy after ischemia-reperfusion. American Journal of Physiology - Cell Physiology, 2016, 311, C854-C865.	2.1	25
65	Electrophysiology and metabolism of caveolin-3-overexpressing mice. Basic Research in Cardiology, 2016, 111, 28.	2.5	15
66	Genetically Encoded Biosensors Reveal PKA Hyperphosphorylation on the Myofilaments in Rabbit Heart Failure. Circulation Research, 2016, 119, 931-943.	2.0	43
67	Chronic Î² 1 -adrenoceptor blockade impairs ischaemic tolerance and preconditioning in murine myocardium. European Journal of Pharmacology, 2016, 789, 1-7.	1.7	8
68	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.	1.7	17
69	Hydrogen Sulfideâ€"Mechanisms of Toxicity and Development of an Antidote. Scientific Reports, 2016, 6, 20831.	1.6	170
70	Nonâ€canonical roles for caveolin in regulation of membrane repair and mitochondria: implications for stress adaptation with age. Journal of Physiology, 2016, 594, 4581-4589.	1.3	9
71	The plasma membrane as a capacitor for energy and metabolism. American Journal of Physiology - Cell Physiology, 2016, 310, C181-C192.	2.1	57
72	Epigenetics. Anesthesiology, 2015, 123, 743-744.	1.3	8

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73	Nitrocobinamide, a New Cyanide Antidote That Can Be Administered by Intramuscular Injection. Journal of Medicinal Chemistry, 2015, 58, 1750-1759.	2.9	38
74	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. Cardiovascular Research, 2015, 106, 227-236.	1.8	74
75	Caveolins in cardioprotection â€“ translatability and mechanisms. British Journal of Pharmacology, 2015, 172, 2114-2125.	2.7	27
76	Caveolin-3 Overexpression Attenuates Cardiac Hypertrophy via Inhibition of T-type Ca2+ Current Modulated by Protein Kinase CÎ± in Cardiomyocytes. Journal of Biological Chemistry, 2015, 290, 22085-22100.	1.6	50
77	Caveolin modulates integrin function and mechanical activation in the cardiomyocyte. FASEB Journal, 2015, 29, 374-384.	0.2	24
78	Distinct pathways of cholesterol biosynthesis impact on insulin secretion. Journal of Endocrinology, 2015, 224, 75-84.	1.2	21
79	Role of caveolin-3 in lymphocyte activation. Life Sciences, 2015, 121, 35-39.	2.0	3
80	Helium Postconditioning Regulates Caveolinâ€1/â€3 Translocation and Gene Expression. FASEB Journal, 2015, 29, 1025.15.	0.2	0
81	Novel Roles for Catestatin in Cardiac Metabolism and Physiology. FASEB Journal, 2015, 29, 1025.12.	0.2	0
82	Ischemic Tolerance and Conventional Preconditioning are Impaired by Chronic Î² 1 â€Blockade. FASEB Journal, 2015, 29, 635.1.	0.2	0
83	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-H903.	1.5	34
84	Interaction of membrane/lipid rafts with the cytoskeleton: Impact on signaling and function. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 532-545.	1.4	420
85	Long-term atorvastatin treatment leads to alterations in behavior, cognition, and hippocampal biochemistry. Behavioural Brain Research, 2014, 267, 6-11.	1.2	24
86	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-E772.	1.8	38
87	Of mice and men: modeling cardiovascular complexity in diabetes. Focus on â€œMitochondrial inefficiencies and anoxic ATP hydrolysis capacities in diabetic rat heartâ€. American Journal of Physiology - Cell Physiology, 2014, 307, C497-C498.	2.1	3
88	Caveolin-1 Modulates Cardiac Gap Junction Homeostasis and Arrhythmogenecity by Regulating cSrc Tyrosine Kinase. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 701-710.	2.1	31
89	Regulation of intracellular signaling and function by caveolin. FASEB Journal, 2014, 28, 3823-3831.	0.2	157
90	Dysfunctional survival-signaling and stress-intolerance in aged murine and human myocardium. Experimental Gerontology, 2014, 50, 72-81.	1.2	52

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91	Cardioprotective Trafficking of Caveolin to Mitochondria Is Gi-protein Dependent. Anesthesiology, 2014, 121, 538-548.	1.3	24
92	Signaling Epicenters: The Role of Caveolae and Caveolins in Volatile Anesthetic Induced Cardiac Protection. Current Pharmaceutical Design, 2014, 20, 5681-5689.	0.9	6
93	Impairment of TRPC1â€“STIM1 channel assembly and AQP5 translocation compromise agonist-stimulated fluid secretion in mice lacking caveolin1. Journal of Cell Science, 2013, 126, 667-675.	1.2	51
94	Cholesterol Regulates Insulin Secretion through Protein Prenylation and Membrane Arrangement in INS-1E Cells. Biophysical Journal, 2013, 104, 621a.	0.2	0
95	Epicatechin regulation of mitochondrial structure and function is opioid receptor dependent. Molecular Nutrition and Food Research, 2013, 57, 1007-1014.	1.5	29
96	Caveolin isoform switching as a molecular, structural, and metabolic regulator of microglia. Molecular and Cellular Neurosciences, 2013, 56, 283-297.	1.0	27
97	Quantitative Proteomic and Functional Analysis of Liver Mitochondria from High Fat Diet (HFD) Diabetic Mice. Molecular and Cellular Proteomics, 2013, 12, 3744-3758.	2.5	62
98	Increase in Cellular Cyclic AMP Concentrations Reverses the Profibrogenic Phenotype of Cardiac Myofibroblasts: A Novel Therapeutic Approach for Cardiac Fibrosis. Molecular Pharmacology, 2013, 84, 787-793.	1.0	40
99	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.	3.3	33
100	Lipid-Induced Toxicity Stimulates Hepatocytes to Release Angiogenic Microparticles That Require Vanin-1 for Uptake by Endothelial Cells. Science Signaling, 2013, 6, ra88.	1.6	177
101	Intravenous Adeno-Associated Virus Serotype 8 Encoding Urocortin-2 Provides Sustained Augmentation of Left Ventricular Function in Mice. Human Gene Therapy, 2013, 24, 777-785.	1.4	19
102	AKIP1 Expression Modulates Mitochondrial Function in Rat Neonatal Cardiomyocytes. PLoS ONE, 2013, 8, e80815.	1.1	18
103	Integrins protect cardiomyocytes from ischemia/reperfusion injury. Journal of Clinical Investigation, 2013, 123, 4294-4308.	3.9	52
104	Caveolin and caveolae in age associated cardiovascular disease. Journal of Geriatric Cardiology, 2013, 10, 66-74.	0.2	30
105	Longâ€term atorvastatin treatment alters cardiac ultrastructure in healthy mice while preserving systolic cardiac function. FASEB Journal, 2013, 27, .	0.2	0
106	Caveolinâ€1 overexpression repairs neuronal degradation in the setting of traumatic brain injury. FASEB Journal, 2013, 27, 693.10.	0.2	1
107	Knockout of type VI collagen preserves mitochondrial structure and function following myocardial infarction. FASEB Journal, 2013, 27, lb674.	0.2	2
108	AKIP1 protects against cardiac injury via enhanced mitochondrial function. FASEB Journal, 2013, 27, 657.3.	0.2	0

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109	Caveolinâ€1 regulates neuronal regeneration in peripheral nerve crush injury via regulation of Schwann cell function. FASEB Journal, 2013, 27, 1142.8.	0.2	0
110	Angiotensinâ€II induced cardiac hypertrophic responses are mediated via PKC and NFAT signaling is attenuated by caveolinâ€3 in ventricular myocytes. FASEB Journal, 2013, 27, 1197.2.	0.2	0
111	Dynamic expression and localization of Protein Kinase A regulatory subunit RIÎ± in cardiac mitochondria controls response to oxidative stress. FASEB Journal, 2013, 27, 1209.22.	0.2	0
112	Generation of caveolinâ€2 overexpressing C. elegans and their response to stress. FASEB Journal, 2013, 27, 1211.4.	0.2	0
113	Caveolins: targeting pro-survival signaling in the heart and brain. Frontiers in Physiology, 2012, 3, 393.	1.3	40
114	Caveolins and Heart Diseases. Advances in Experimental Medicine and Biology, 2012, 729, 145-156.	0.8	28
115	Mitochondriaâ€localized caveolin in adaptation to cellular stress and injury. FASEB Journal, 2012, 26, 4637-4649.	0.2	88
116	Copper influx transporter 1 is required for FGF, PDGF and EGF-induced MAPK signaling. Biochemical Pharmacology, 2012, 84, 1007-1013.	2.0	61
117	Detection of caveolin-3/caveolin-1/P2X7R complexes in mice atrial cardiomyocytes in vivo and in vitro. Histochemistry and Cell Biology, 2012, 138, 231-241.	0.8	16
118	Effects of noble gas conditioning on Caveolin expression in the rat heart in vivo. FASEB Journal, 2012, 26, 1114.17.	0.2	0
119	Role of caveolinâ€3 and mitochondria in protecting the aged myocardium. FASEB Journal, 2012, 26, 864.16.	0.2	1
120	Reversible tetracyclineâ€controlled transactivator (rtTA)â€inducible expression of neuronâ€targeted Cavâ€1 and recovery after neuronal injury. FASEB Journal, 2012, 26, 1035.4.	0.2	0
121	Neuronâ€targeted Cavâ€1 as a novel therapy for Traumatic Brain Injury. FASEB Journal, 2012, 26, 1035.3.	0.2	0
122	Myocardial cholesterol homeostasis is altered by age and Cavâ€3 knockdown. FASEB Journal, 2012, 26, 1117.5.	0.2	0
123	Knockout of type VI collagen improves cardiac function and remodeling following myocardial infarction. FASEB Journal, 2012, 26, 1060.13.	0.2	0
124	Effect of lowâ€dose epicatechin on mitochondrial function and membrane fluidity. FASEB Journal, 2012, 26, 852.1.	0.2	0
125	Vasopressin levels in patients undergoing pulmonary thromboendarterectomy (PTE). FASEB Journal, 2012, 26, 684.11.	0.2	0
126	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, 2273-2283.	1.2	86

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127	Role of decoy molecules in neuronal ischemic preconditioning. Life Sciences, 2011, 88, 670-674.	2.0	7
128	Volatile Anesthetics Protect Cancer Cells against Tumor Necrosis Factor-related Apoptosis-inducing Ligand-induced Apoptosis viaÂ Caveolins. Anesthesiology, 2011, 115, 499-508.	1.3	59
129	Role of Caveolae in Cardiac Protection. Pediatric Cardiology, 2011, 32, 329-333.	0.6	31
130	Neuron-targeted Caveolin-1 Protein Enhances Signaling and Promotes Arborization of Primary Neurons. Journal of Biological Chemistry, 2011, 286, 33310-33321.	1.6	85
131	Caveolin regulation of microglial activation and proliferation. FASEB Journal, 2011, 25, 1007.1.	0.2	1
132	Opioid-Induced Preconditioning Is Dependent on Caveolin-3 Expression. Anesthesia and Analgesia, 2010, 111, 1117-1121.	1.1	35
133	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-H1301.	1.5	2
134	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, 27632-27640.	1.6	40
135	Dark chocolate receptors: epicatechin-induced cardiac protection is dependent on Î´-opioid receptor stimulation. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1604-H1609.	1.5	51
136	Role of Caveolin-3 and Glucose Transporter-4 in Isoflurane-induced Delayed Cardiac Protection. Anesthesiology, 2010, 112, 1136-1145.	1.3	52
137	Loss of Caveolin-1 Accelerates Neurodegeneration and Aging. PLoS ONE, 2010, 5, e15697.	1.1	155
138	Caveolin and the aged myocardium. FASEB Journal, 2010, 24, 819.2.	0.2	1
139	A role for miRâ€471 in cardiac ischemiaâ€reperfusion injury. FASEB Journal, 2010, 24, 626.2.	0.2	0
140	Regulation of mitochondrial function by caveolinâ€3. FASEB Journal, 2010, 24, 819.1.	0.2	0
141	EFFECT OF EPICATECHIN AND NALOXONE ON CARDIOâ€PROTECTIVE PHENOTYPE. FASEB Journal, 2010, 24, 1029.8.	0.2	0
142	Lipid Rafts and Caveolae and Their Role in Compartmentation of Redox Signaling. Antioxidants and Redox Signaling, 2009, 11, 1357-1372.	2.5	111
143	Membrane rafts and caveolae in cardiovascular signaling. Current Opinion in Nephrology and Hypertension, 2009, 18, 50-56.	1.0	61
144	Dynamin and caveolae in cardiac ischemic preconditioning. FASEB Journal, 2009, 23, LB381.	0.2	0

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145	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, 123-130.	0.9	101
146	Caveolae as Organizers of Pharmacologically Relevant Signal Transduction Molecules. Annual Review of Pharmacology and Toxicology, 2008, 48, 359-391.	4.2	399
147	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, 6386-6391.	3.3	129
148	Caveolinâ€1 expression is essential forNâ€methylâ€<scp>D</scp>â€aspartate receptorâ€mediated Src and extracellular signalâ€regulated kinase 1/2 activation and protection of primary neurons from ischemic cell death. FASEB Journal, 2008, 22, 828-840.	0.2	101
149	Cardiac-Specific Overexpression of Caveolin-3 Induces Endogenous Cardiac Protection by Mimicking Ischemic Preconditioning. Circulation, 2008, 118, 1979-1988.	1.6	126
150	REGULATION OF PULMONARY VASOCONSTRICTION BY AGONISTS AND CAVEOLAE. Experimental Lung Research, 2008, 34, 195-208.	0.5	11
151	Increased smooth muscle cell expression of caveolinâ€1 and caveolae contribute to the pathophysiology of idiopathic pulmonary arterial hypertension. FASEB Journal, 2007, 21, 2970-2979.	0.2	121
152	Reactive oxygen species trigger ischemic and pharmacological postconditioning: In vivo and in vitro characterization. Life Sciences, 2007, 81, 1223-1227.	2.0	126
153	Mechanisms of cardiac protection from ischemia/reperfusion injury: a role for caveolae and caveolinâ€1. FASEB Journal, 2007, 21, 1565-1574.	0.2	126
154	Pathway and gene ontology based analysis of gene expression in a rat model of cerebral ischemic tolerance. Brain Research, 2007, 1177, 103-123.	1.1	33
155	Caveolinâ€1 knockout mice have decreased enrichment of redoxâ€sensitive enzymes in renal caveolar fractions. FASEB Journal, 2007, 21, A1424.	0.2	0
156	Cardiacâ€Specific Overexpression of Caveolinâ€3 Enhances Akt Phosphorylation. FASEB Journal, 2007, 21, A794.	0.2	0
157	Cardiac-Directed Expression of Adenylyl Cyclase VI Facilitates Atrioventricular Nodal Conduction. Journal of the American College of Cardiology, 2006, 48, 559-565.	1.2	14
158	Isoflurane Produces Sustained Cardiac Protection after Ischemiaâ€“Reperfusion Injury in Mice. Anesthesiology, 2006, 104, 495-502.	1.3	58
159	Protection of adult rat cardiac myocytes from ischemic cell death: role of caveolar microdomains and Î´-opioid receptors. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H344-H350.	1.5	95
160	Role of 12-lipoxygenase in volatile anesthetic-induced delayed preconditioning in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H979-H983.	1.5	35
161	Focal Adhesions in (Myo)fibroblasts Scaffold Adenylyl Cyclase with Phosphorylated Caveolin. Journal of Biological Chemistry, 2006, 281, 17173-17179.	1.6	83
162	Microtubules and Actin Microfilaments Regulate Lipid Raft/Caveolae Localization of Adenylyl Cyclase Signaling Components. Journal of Biological Chemistry, 2006, 281, 26391-26399.	1.6	238

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163	Localization of caveolae and mitochondria in adult cardiac myocytes: implications for reductive signaling. FASEB Journal, 2006, 20, A691.	0.2	0
164	Caveolae and Lipid Rafts: G Protein-Coupled Receptor Signaling Microdomains in Cardiac Myocytes. Annals of the New York Academy of Sciences, 2005, 1047, 166-172.	1.8	117
165	Sarcolemmal KATP channel triggers delayed ischemic preconditioning in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H445-H447.	1.5	58
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