

Hemal H Patel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Caveolae as organizers of pharmacologically relevant signal transduction molecules. <i>Annual Review of Pharmacology and Toxicology</i> , 2008 , 48, 359-91	17.9	356
161	Interaction of membrane/lipid rafts with the cytoskeleton: impact on signaling and function: membrane/lipid rafts, mediators of cytoskeletal arrangement and cell signaling. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 532-45	3.8	336
160	The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019 , 364,	33.3	300
159	Microtubules and actin microfilaments regulate lipid raft/caveolae localization of adenylyl cyclase signaling components. <i>Journal of Biological Chemistry</i> , 2006 , 281, 26391-9	5.4	215
158	G-protein-coupled receptor signaling components localize in both sarcolemmal and intracellular caveolin-3-associated microdomains in adult cardiac myocytes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 31036-44	5.4	173
157	Cardioprotection at a distance: mesenteric artery occlusion protects the myocardium via an opioid sensitive mechanism. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 1317-23	5.8	144
156	Lipid-induced toxicity stimulates hepatocytes to release angiogenic microparticles that require Vanin-1 for uptake by endothelial cells. <i>Science Signaling</i> , 2013 , 6, ra88	8.8	127
155	Regulation of intracellular signaling and function by caveolin. <i>FASEB Journal</i> , 2014 , 28, 3823-31	0.9	126
154	Hydrogen Sulfide--Mechanisms of Toxicity and Development of an Antidote. <i>Scientific Reports</i> , 2016 , 6, 20831	4.9	120
153	Loss of caveolin-1 accelerates neurodegeneration and aging. <i>PLoS ONE</i> , 2010 , 5, e15697	3.7	120
152	The cyclic AMP effector Epac integrates pro- and anti-fibrotic signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6386-91	11.5	113
151	Mechanisms of cardiac protection from ischemia/reperfusion injury: a role for caveolae and caveolin-1. <i>FASEB Journal</i> , 2007 , 21, 1565-74	0.9	112
150	Cardiac-specific overexpression of caveolin-3 induces endogenous cardiac protection by mimicking ischemic preconditioning. <i>Circulation</i> , 2008 , 118, 1979-88	16.7	111
149	Increased smooth muscle cell expression of caveolin-1 and caveolae contribute to the pathophysiology of idiopathic pulmonary arterial hypertension. <i>FASEB Journal</i> , 2007 , 21, 2970-9	0.9	111
148	Reactive oxygen species trigger ischemic and pharmacological postconditioning: in vivo and in vitro characterization. <i>Life Sciences</i> , 2007 , 81, 1223-7	6.8	107
147	Caveolae and lipid rafts: G protein-coupled receptor signaling microdomains in cardiac myocytes. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1047, 166-72	6.5	106
146	Lipid rafts and caveolae and their role in compartmentation of redox signaling. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1357-72	8.4	94

145	Caveolin-3 expression and caveolae are required for isoflurane-induced cardiac protection from hypoxia and ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 44, 123-30	5.8	93
144	Protection of adult rat cardiac myocytes from ischemic cell death: role of caveolar microdomains and delta-opioid receptors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H344-50	5.2	90
143	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. <i>FASEB Journal</i> , 2008 , 22, 828-40	0.9	86
142	Cardiac-specific overexpression of caveolin-3 attenuates cardiac hypertrophy and increases natriuretic peptide expression and signaling. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 2273-83	15.1	76
141	Stress-activated protein kinase phosphorylation during cardioprotection in the ischemic myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H1184-92	5.2	75
140	Mitochondria-localized caveolin in adaptation to cellular stress and injury. <i>FASEB Journal</i> , 2012 , 26, 4637-49	4.9	72
139	The zinc finger cluster domain of RanBP2 is a specific docking site for the nuclear export factor, exportin-1. <i>Journal of Biological Chemistry</i> , 1999 , 274, 37370-8	5.4	72
138	Neuron-targeted caveolin-1 protein enhances signaling and promotes arborization of primary neurons. <i>Journal of Biological Chemistry</i> , 2011 , 286, 33310-21	5.4	64
137	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. <i>Cardiovascular Research</i> , 2015 , 106, 227-36	9.9	63
136	Focal adhesions in (myo)fibroblasts scaffold adenylyl cyclase with phosphorylated caveolin. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17173-17179	5.4	59
135	Caveolins and cavins in the trafficking, maturation, and degradation of caveolae: implications for cell physiology. <i>American Journal of Physiology - Cell Physiology</i> , 2017 , 312, C459-C477	5.4	58
134	Membrane rafts and caveolae in cardiovascular signaling. <i>Current Opinion in Nephrology and Hypertension</i> , 2009 , 18, 50-6	3.5	56
133	BW373U86, a delta opioid agonist, partially mediates delayed cardioprotection via a free radical mechanism that is independent of opioid receptor stimulation. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 1455-65	5.8	55
132	Sarcolemmal KATP channel triggers delayed ischemic preconditioning in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H445-7	5.2	54
131	Delta opioid agonists and volatile anesthetics facilitate cardioprotection via potentiation of K(ATP) channel opening. <i>FASEB Journal</i> , 2002 , 16, 1468-70	0.9	51
130	Isoflurane produces sustained cardiac protection after ischemia-reperfusion injury in mice. <i>Anesthesiology</i> , 2006 , 104, 495-502	4.3	49
129	Copper influx transporter 1 is required for FGF, PDGF and EGF-induced MAPK signaling. <i>Biochemical Pharmacology</i> , 2012 , 84, 1007-13	6	48
128	Quantitative proteomic and functional analysis of liver mitochondria from high fat diet (HFD) diabetic mice. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3744-58	7.6	48

127	Volatile anesthetics protect cancer cells against tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis via caveolins. <i>Anesthesiology</i> , 2011 , 115, 499-508	4.3	47
126	Dysfunctional survival-signaling and stress-intolerance in aged murine and human myocardium. <i>Experimental Gerontology</i> , 2014 , 50, 72-81	4.5	46
125	Dark chocolate receptors: epicatechin-induced cardiac protection is dependent on delta-opioid receptor stimulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H1604-5	4.5	46
124	Impairment of TRPC1-STIM1 channel assembly and AQP5 translocation compromise agonist-stimulated fluid secretion in mice lacking caveolin1. <i>Journal of Cell Science</i> , 2013 , 126, 667-75	5.3	46
123	Role of caveolin-3 and glucose transporter-4 in isoflurane-induced delayed cardiac protection. <i>Anesthesiology</i> , 2010 , 112, 1136-45	4.3	46
122	Integrins protect cardiomyocytes from ischemia/reperfusion injury. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4294-308	15.9	44
121	Sarcolemmal K(ATP) channel triggers opioid-induced delayed cardioprotection in the rat. <i>Circulation Research</i> , 2002 , 91, 186-8	15.7	42
120	12-lipoxygenase in opioid-induced delayed cardioprotection: gene array, mass spectrometric, and pharmacological analyses. <i>Circulation Research</i> , 2003 , 92, 676-82	15.7	41
119	Caveolin-3 Overexpression Attenuates Cardiac Hypertrophy via Inhibition of T-type Ca ²⁺ Current Modulated by Protein Kinase C in Cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2015 , 290, 22085-100	5.4	39
118	The plasma membrane as a capacitor for energy and metabolism. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 310, C181-92	5.4	39
117	Disruption of protein kinase A localization using a trans-activator of transcription (TAT)-conjugated A-kinase-anchoring peptide reduces cardiac function. <i>Journal of Biological Chemistry</i> , 2010 , 285, 27632-40	5.4	37
116	COX-2 and iNOS in opioid-induced delayed cardioprotection in the intact rat. <i>Life Sciences</i> , 2004 , 75, 1294-8	4.8	37
115	Increase in cellular cyclic AMP concentrations reverses the profibrogenic phenotype of cardiac myofibroblasts: a novel therapeutic approach for cardiac fibrosis. <i>Molecular Pharmacology</i> , 2013 , 84, 787-93	4.3	36
114	High-fat diet-induced impairment of skeletal muscle insulin sensitivity is not prevented by SIRT1 overexpression. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E764-72	6	34
113	Neuron-Targeted Caveolin-1 Improves Molecular Signaling, Plasticity, and Behavior Dependent on the Hippocampus in Adult and Aged Mice. <i>Biological Psychiatry</i> , 2017 , 81, 101-110	7.9	33
112	Caveolins: targeting pro-survival signaling in the heart and brain. <i>Frontiers in Physiology</i> , 2012 , 3, 393	4.6	32
111	Pathway and gene ontology based analysis of gene expression in a rat model of cerebral ischemic tolerance. <i>Brain Research</i> , 2007 , 1177, 103-23	3.7	32
110	Role of 12-lipoxygenase in volatile anesthetic-induced delayed preconditioning in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H979-83	5.2	31

109	Delta-opioid receptor activation mimics ischemic preconditioning in the canine heart. <i>Journal of Cardiovascular Pharmacology</i> , 2003 , 42, 78-81	3.1	31
108	Opioid-induced preconditioning is dependent on caveolin-3 expression. <i>Anesthesia and Analgesia</i> , 2010 , 111, 1117-21	3.9	30
107	Genetically Encoded Biosensors Reveal PKA Hyperphosphorylation on the Myofilaments in Rabbit Heart Failure. <i>Circulation Research</i> , 2016 , 119, 931-43	15.7	29
106	Sarcolemmal cholesterol and caveolin-3 dependence of cardiac function, ischemic tolerance, and opioidergic cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H895-903	5.2	28
105	Nitrocobinamide, a new cyanide antidote that can be administered by intramuscular injection. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 1750-9	8.3	27
104	Role of caveolae in cardiac protection. <i>Pediatric Cardiology</i> , 2011 , 32, 329-33	2.1	27
103	Thy-1 interaction with Fas in lipid rafts regulates fibroblast apoptosis and lung injury resolution. <i>Laboratory Investigation</i> , 2017 , 97, 256-267	5.9	26
102	A kinase interacting protein (AKIP1) is a key regulator of cardiac stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E387-96	11.5	26
101	Hypoxia-inducible factor-1 α activation improves renal oxygenation and mitochondrial function in early chronic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F282-F290	4.3	25
100	Epicatechin regulation of mitochondrial structure and function is opioid receptor dependent. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1007-14	5.9	25
99	Caveolin and caveolae in age associated cardiovascular disease. <i>Journal of Geriatric Cardiology</i> , 2013 , 10, 66-74	1.7	25
98	Caveolin-1 modulates cardiac gap junction homeostasis and arrhythmogenicity by regulating cSrc tyrosine kinase. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014 , 7, 701-10	6.4	24
97	Caveolins and heart diseases. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 729, 145-56	3.6	24
96	Cardioprotective trafficking of caveolin to mitochondria is Gi-protein dependent. <i>Anesthesiology</i> , 2014 , 121, 538-48	4.3	23
95	Caveolins in cardioprotection - translatability and mechanisms. <i>British Journal of Pharmacology</i> , 2015 , 172, 2114-25	8.6	21
94	Caveolin-3 KO disrupts t-tubule structure and decreases t-tubular I density in mouse ventricular myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H1101-H1111	5.2	21
93	Long-term atorvastatin treatment leads to alterations in behavior, cognition, and hippocampal biochemistry. <i>Behavioural Brain Research</i> , 2014 , 267, 6-11	3.4	21
92	Caveolin modulates integrin function and mechanical activation in the cardiomyocyte. <i>FASEB Journal</i> , 2015 , 29, 374-84	0.9	20

91	Distinct pathways of cholesterol biosynthesis impact on insulin secretion. <i>Journal of Endocrinology</i> , 2015 , 224, 75-84	4.7	19
90	Myocyte membrane and microdomain modifications in diabetes: determinants of ischemic tolerance and cardioprotection. <i>Cardiovascular Diabetology</i> , 2017 , 16, 155	8.7	19
89	Caveolin isoform switching as a molecular, structural, and metabolic regulator of microglia. <i>Molecular and Cellular Neurosciences</i> , 2013 , 56, 283-97	4.8	18
88	Caveolin-3 plays a critical role in autophagy after ischemia-reperfusion. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 311, C854-C865	5.4	18
87	Caveolin-1 regulation of disrupted-in-schizophrenia-1 as a potential therapeutic target for schizophrenia. <i>Journal of Neurophysiology</i> , 2017 , 117, 436-444	3.2	16
86	Intravenous adeno-associated virus serotype 8 encoding urocortin-2 provides sustained augmentation of left ventricular function in mice. <i>Human Gene Therapy</i> , 2013 , 24, 777-85	4.8	16
85	Neuron-Targeted Caveolin-1 Promotes Ultrastructural and Functional Hippocampal Synaptic Plasticity. <i>Cerebral Cortex</i> , 2018 , 28, 3255-3266	5.1	16
84	Early hyperbaric oxygen therapy improves survival in a model of severe sepsis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R160-R168	3.2	15
83	Phosphorylation of protein kinase A (PKA) regulatory subunit RI α by protein kinase G (PKG) primes PKA for catalytic activity in cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 4411-4421	5.4	15
82	Aortic pathology from protein kinase G activation is prevented by an antioxidant vitamin B analog. <i>Nature Communications</i> , 2019 , 10, 3533	17.4	15
81	Cardiac ischemia-reperfusion injury induces ROS-dependent loss of PKA regulatory subunit RI α . <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1231-H1242	5.2	15
80	AKIP1 expression modulates mitochondrial function in rat neonatal cardiomyocytes. <i>PLoS ONE</i> , 2013 , 8, e80815	3.7	15
79	The disputed role of COX-2 in myocardial infarction, is the jury still out?. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 1-3	5.8	15
78	Atorvastatin, but not pravastatin, inhibits cardiac Akt/mTOR signaling and disturbs mitochondrial ultrastructure in cardiac myocytes. <i>FASEB Journal</i> , 2019 , 33, 1209-1225	0.9	15
77	Neuron-specific caveolin-1 overexpression improves motor function and preserves memory in mice subjected to brain trauma. <i>FASEB Journal</i> , 2017 , 31, 3403-3411	0.9	14
76	Attenuation of heat shock-induced cardioprotection by treatment with the opiate receptor antagonist naloxone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 282, H2011-H2017	5.2	14
75	Human-like Cmah inactivation in mice increases running endurance and decreases muscle fatigability: implications for human evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	14
74	Helium postconditioning regulates expression of caveolin-1 and -3 and induces RISK pathway activation after ischaemia/reperfusion in cardiac tissue of rats. <i>European Journal of Pharmacology</i> , 2016 , 791, 718-725	5.3	13

73	Detection of caveolin-3/caveolin-1/P2X7R complexes in mice atrial cardiomyocytes in vivo and in vitro. <i>Histochemistry and Cell Biology</i> , 2012 , 138, 231-41	2.4	13
72	Inducing Mild Traumatic Brain Injury in <i>C. elegans</i> via Cavitation-Free Surface Acoustic Wave-Driven Ultrasonic Irradiation. <i>Scientific Reports</i> , 2019 , 9, 12775	4.9	12
71	Deletion of caveolin scaffolding domain alters cancer cell migration. <i>Cell Cycle</i> , 2019 , 18, 1268-1280	4.7	12
70	Neuron-targeted caveolin-1 improves neuromuscular function and extends survival in SOD1 mice. <i>FASEB Journal</i> , 2019 , 33, 7545-7554	0.9	12
69	The Effects of Aging on the Regulation of T-Tubular ICa by Caveolin in Mouse Ventricular Myocytes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 711-719	6.4	12
68	Cardiac-directed expression of adenylyl cyclase VI facilitates atrioventricular nodal conduction. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 559-65	15.1	12
67	Electrophysiology and metabolism of caveolin-3-overexpressing mice. <i>Basic Research in Cardiology</i> , 2016 , 111, 28	11.8	12
66	Microliter ultrafast centrifuge platform for size-based particle and cell separation and extraction using novel omnidirectional spiral surface acoustic waves. <i>Lab on A Chip</i> , 2021 , 21, 904-915	7.2	12
65	Delta Opioid Receptors and Cardioprotection. <i>Handbook of Experimental Pharmacology</i> , 2018 , 247, 301-334	3.4	11
64	Metabolomic analysis of serum and myocardium in compensated heart failure after myocardial infarction. <i>Life Sciences</i> , 2019 , 221, 212-223	6.8	9
63	Helium-Induced Changes in Circulating Caveolin in Mice Suggest a Novel Mechanism of Cardiac Protection. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
62	Isoflurane Impacts Murine Melanoma Growth in a Sex-Specific, Immune-Dependent Manner: A Brief Report. <i>Anesthesia and Analgesia</i> , 2018 , 126, 1910-1913	3.9	9
61	Caveolin-1 Phosphorylation Is Essential for Axonal Growth of Human Neurons Derived From iPSCs. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 324	6.1	9
60	Regulation of pulmonary vasoconstriction by agonists and caveolae. <i>Experimental Lung Research</i> , 2008 , 34, 195-208	2.3	9
59	Delayed cardioprotection is mediated via a non-peptide delta opioid agonist, SNC-121, independent of opioid receptor stimulation. <i>Basic Research in Cardiology</i> , 2004 , 99, 38-45	11.8	9
58	Caveolins as Regulators of Stress Adaptation. <i>Molecular Pharmacology</i> , 2018 , 93, 277-285	4.3	8
57	Immunosuppression of Macrophages Underlies the Cardioprotective Effects of CST (Catestatin). <i>Hypertension</i> , 2021 , 77, 1670-1682	8.5	8
56	Chronic β -adrenoceptor blockade impairs ischaemic tolerance and preconditioning in murine myocardium. <i>European Journal of Pharmacology</i> , 2016 , 789, 1-7	5.3	7

55	Role of decoy molecules in neuronal ischemic preconditioning. <i>Life Sciences</i> , 2011 , 88, 670-4	6.8	7
54	Cardioprotection is strain dependent in rat in response to whole body hyperthermia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H1208-14	5.2	7
53	Modulation of caveolins, integrins and plasma membrane repair proteins in anthracycline-induced heart failure in rabbits. <i>PLoS ONE</i> , 2017 , 12, e0177660	3.7	7
52	Dietary α -Linolenic Acid Counters Cardioprotective Dysfunction in Diabetic Mice: Unconventional PUFA Protection. <i>Nutrients</i> , 2020 , 12,	6.7	6
51	Cardiac-specific overexpression of caveolin-3 preserves t-tubular I during heart failure in mice. <i>Experimental Physiology</i> , 2019 , 104, 654-666	2.4	6
50	Metformin intervention prevents cardiac dysfunction in a murine model of adult congenital heart disease. <i>Molecular Metabolism</i> , 2019 , 20, 102-114	8.8	6
49	Plasma from Volunteers Breathing Helium Reduces Hypoxia-Induced Cell Damage in Human Endothelial Cells-Mechanisms of Remote Protection Against Hypoxia by Helium. <i>Cardiovascular Drugs and Therapy</i> , 2019 , 33, 297-306	3.9	5
48	Non-canonical roles for caveolin in regulation of membrane repair and mitochondria: implications for stress adaptation with age. <i>Journal of Physiology</i> , 2016 , 594, 4581-9	3.9	5
47	Signaling epicenters: the role of caveolae and caveolins in volatile anesthetic induced cardiac protection. <i>Current Pharmaceutical Design</i> , 2014 , 20, 5681-9	3.3	5
46	The caveolar-mitochondrial interface: regulation of cellular metabolism in physiology and pathophysiology. <i>Biochemical Society Transactions</i> , 2020 , 48, 165-177	5.1	5
45	The Evolution of Cholesterol-Rich Membrane in Oxygen Adaption: The Respiratory System as a Model. <i>Frontiers in Physiology</i> , 2019 , 10, 1340	4.6	5
44	Altered Penile Caveolin Expression in Diabetes: Potential Role in Erectile Dysfunction. <i>Journal of Sexual Medicine</i> , 2017 , 14, 1177-1186	1.1	4
43	1 + 1 = 4? Balanced anaesthesia: A sum that is greater than its parts. <i>British Journal of Pharmacology</i> , 2019 , 176, 4785-4786	8.6	3
42	Mitochondrial KATP channels and cardioprotection. <i>Drug Development Research</i> , 2002 , 55, 17-21	5.1	3
41	Morphine induces physiological, structural, and molecular benefits in the diabetic myocardium. <i>FASEB Journal</i> , 2021 , 35, e21407	0.9	3
40	PTPMT1 Is Required for Embryonic Cardiac Cardiolipin Biosynthesis to Regulate Mitochondrial Morphogenesis and Heart Development. <i>Circulation</i> , 2021 , 144, 403-406	16.7	3
39	Role of caveolin-3 in lymphocyte activation. <i>Life Sciences</i> , 2015 , 121, 35-9	6.8	2
38	A new sense of protection: role of the Ca ²⁺ -sensing receptor in ischemic preconditioning. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H1300-1	5.2	2

37	Knockout of type VI collagen preserves mitochondrial structure and function following myocardial infarction. <i>FASEB Journal</i> , 2013 , 27, lb674	0.9	2
36	No pain, no gain: balancing central versus peripheral benefits of analgesics in the age of the opioid crisis. <i>British Journal of Pharmacology</i> , 2018 , 175, 855-856	8.6	2
35	Caveolin-1 controls mitochondrial damage and ROS production by regulating fission - fusion dynamics and mitophagy.. <i>Redox Biology</i> , 2022 , 52, 102304	11.3	2
34	Protective role of cardiac-specific overexpression of caveolin-3 in cirrhotic cardiomyopathy. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, G531-G541	5.1	1
33	Methyl mercaptan gas: mechanisms of toxicity and demonstration of the effectiveness of cobinamide as an antidote in mice and rabbits.. <i>Clinical Toxicology</i> , 2022 , 1-8	2.9	1
32	Role of caveolin-3 and mitochondria in protecting the aged myocardium. <i>FASEB Journal</i> , 2012 , 26, 864.16	0.9	1
31	Caveolin-1 overexpression repairs neuronal degradation in the setting of traumatic brain injury. <i>FASEB Journal</i> , 2013 , 27, 693.10	0.9	1
30	Loss of Immunohistochemical Reactivity in Association With Handling-Induced Dark Neurons in Mouse Brains. <i>Toxicologic Pathology</i> , 2020 , 48, 437-445	2.1	1
29	Sleep/wake calcium dynamics, respiratory function, and ROS production in cardiac mitochondria. <i>Journal of Advanced Research</i> , 2021 , 31, 35-47	13	1
28	Benign paroxysmal positional vertigo in the emergency department: An observational study of an Australian regional hospital's acute clinical practice. <i>EMA - Emergency Medicine Australasia</i> , 2021 , 33, 1082-1087	1.5	0
27	Localization of caveolae and mitochondria in adult cardiac myocytes: implications for reductive signaling. <i>FASEB Journal</i> , 2006 , 20, A691	0.9	
26	Caveolin-1 knockout mice have decreased enrichment of redox-sensitive enzymes in renal caveolar fractions. <i>FASEB Journal</i> , 2007 , 21, A1424	0.9	
25	Cardiac-Specific Overexpression of Caveolin-3 Enhances Akt Phosphorylation. <i>FASEB Journal</i> , 2007 , 21, A794	0.9	
24	Caveolin scaffolding domain plays an important role in cancer cell migration. <i>FASEB Journal</i> , 2019 , 33, 815.12	0.9	
23	Sex Differences in Type-2 Diabetes: Implications for Caveolin-3 Regulated Mitochondrial Function. <i>FASEB Journal</i> , 2019 , 33, 830.4	0.9	
22	Helium Postconditioning Regulates Caveolin-1/-3 Translocation and Gene Expression. <i>FASEB Journal</i> , 2015 , 29, 1025.15	0.9	
21	Novel Roles for Catestatin in Cardiac Metabolism and Physiology. <i>FASEB Journal</i> , 2015 , 29, 1025.12	0.9	
20	Ischemic Tolerance and Conventional Preconditioning are Impaired by Chronic β -Blockade. <i>FASEB Journal</i> , 2015 , 29, 635.1	0.9	

19	Dynamin and caveolae in cardiac ischemic preconditioning. <i>FASEB Journal</i> , 2009 , 23, LB381	0.9
18	Caveolin and the aged myocardium. <i>FASEB Journal</i> , 2010 , 24, 819.2	0.9
17	A role for miR-471 in cardiac ischemia-reperfusion injury. <i>FASEB Journal</i> , 2010 , 24, 626.2	0.9
16	Regulation of mitochondrial function by caveolin-3. <i>FASEB Journal</i> , 2010 , 24, 819.1	0.9
15	EFFECT OF EPICATECHIN AND NALOXONE ON CARDIO-PROTECTIVE PHENOTYPE. <i>FASEB Journal</i> , 2010 , 24, 1029.8	0.9
14	Caveolin regulation of microglial activation and proliferation. <i>FASEB Journal</i> , 2011 , 25, 1007.1	0.9
13	Effects of noble gas conditioning on Caveolin expression in the rat heart in vivo. <i>FASEB Journal</i> , 2012 , 26, 1114.17	0.9
12	Reversible tetracycline-controlled transactivator (rtTA)- inducible expression of neuron-targeted Cav-1 and recovery after neuronal injury. <i>FASEB Journal</i> , 2012 , 26, 1035.4	0.9
11	Neuron-targeted Cav-1 as a novel therapy for Traumatic Brain Injury. <i>FASEB Journal</i> , 2012 , 26, 1035.3	0.9
10	Myocardial cholesterol homeostasis is altered by age and Cav-3 knockdown. <i>FASEB Journal</i> , 2012 , 26, 1117.5	0.9
9	Knockout of type VI collagen improves cardiac function and remodeling following myocardial infarction. <i>FASEB Journal</i> , 2012 , 26, 1060.13	0.9
8	Effect of low-dose epicatechin on mitochondrial function and membrane fluidity. <i>FASEB Journal</i> , 2012 , 26, 852.1	0.9
7	Vasopressin levels in patients undergoing pulmonary thromboendarterectomy (PTE). <i>FASEB Journal</i> , 2012 , 26, 684.11	0.9
6	AKIP1 protects against cardiac injury via enhanced mitochondrial function. <i>FASEB Journal</i> , 2013 , 27, 657.3.9	0.9
5	Caveolin-1 regulates neuronal regeneration in peripheral nerve crush injury via regulation of Schwann cell function. <i>FASEB Journal</i> , 2013 , 27, 1142.8	0.9
4	Angiotensin-II induced cardiac hypertrophic responses are mediated via PKC and NFAT signaling is attenuated by caveolin-3 in ventricular myocytes. <i>FASEB Journal</i> , 2013 , 27, 1197.2	0.9
3	Dynamic expression and localization of Protein Kinase A regulatory subunit RII α in cardiac mitochondria controls response to oxidative stress. <i>FASEB Journal</i> , 2013 , 27, 1209.22	0.9
2	Generation of caveolin-2 overexpressing <i>C. elegans</i> and their response to stress. <i>FASEB Journal</i> , 2013 , 27, 1211.4	0.9

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