

Charles Steenbergen

List of Publications by Citations

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132
papers

10,588
citations

55
h-index

101
g-index

138
ext. papers

11,583
ext. citations

8
avg, IF

6.19
L-index

#	Paper	IF	Citations
132	Mechanisms underlying acute protection from cardiac ischemia-reperfusion injury. <i>Physiological Reviews</i> , 2008 , 88, 581-609	47.9	1055
131	Dextran hydrogel scaffolds enhance angiogenic responses and promote complete skin regeneration during burn wound healing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20976-81	11.5	366
130	Engraftment, differentiation, and functional benefits of autologous cardiosphere-derived cells in porcine ischemic cardiomyopathy. <i>Circulation</i> , 2009 , 120, 1075-83, 7 p following 1083	16.7	333
129	Diazoxide-induced cardioprotection requires signaling through a redox-sensitive mechanism. <i>Circulation Research</i> , 2001 , 88, 802-9	15.7	325
128	2011 consensus statement on endomyocardial biopsy from the Association for European Cardiovascular Pathology and the Society for Cardiovascular Pathology. <i>Cardiovascular Pathology</i> , 2012 , 21, 245-74	3.8	321
127	Phosphorylation of glycogen synthase kinase-3beta during preconditioning through a phosphatidylinositol-3-kinase--dependent pathway is cardioprotective. <i>Circulation Research</i> , 2002 , 90, 377-9	15.7	312
126	Preconditioning results in S-nitrosylation of proteins involved in regulation of mitochondrial energetics and calcium transport. <i>Circulation Research</i> , 2007 , 101, 1155-63	15.7	310
125	Ischemic preconditioning activates phosphatidylinositol-3-kinase upstream of protein kinase C. <i>Circulation Research</i> , 2000 , 87, 309-15	15.7	289
124	Hypercontractile female hearts exhibit increased S-nitrosylation of the L-type Ca ²⁺ channel alpha1 subunit and reduced ischemia/reperfusion injury. <i>Circulation Research</i> , 2006 , 98, 403-11	15.7	245
123	Nuclear miRNA regulates the mitochondrial genome in the heart. <i>Circulation Research</i> , 2012 , 110, 1596-603	15.7	243
122	Sex differences in the phosphorylation of mitochondrial proteins result in reduced production of reactive oxygen species and cardioprotection in females. <i>Circulation Research</i> , 2010 , 106, 1681-91	15.7	225
121	Preconditioning: the mitochondrial connection. <i>Annual Review of Physiology</i> , 2007 , 69, 51-67	23.1	191
120	Erythropoietin receptor expression in adult rat cardiomyocytes is associated with an acute cardioprotective effect for recombinant erythropoietin during ischemia-reperfusion injury. <i>FASEB Journal</i> , 2004 , 18, 1031-3	0.9	191
119	Intramyocardial injection of autologous cardiospheres or cardiosphere-derived cells preserves function and minimizes adverse ventricular remodeling in pigs with heart failure post-myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 455-65	15.1	187
118	Estrogen receptor beta mediates gender differences in ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 38, 289-97	5.8	181
117	Molecular cloning, expression, and functional significance of a cytochrome P450 highly expressed in rat heart myocytes. <i>Journal of Biological Chemistry</i> , 1997 , 272, 12551-9	5.4	177
116	Gender-based differences in mechanisms of protection in myocardial ischemia-reperfusion injury. <i>Cardiovascular Research</i> , 2007 , 75, 478-86	9.9	176

115	S-nitrosylation: NO-related redox signaling to protect against oxidative stress. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 1693-705	8.4	170
114	Transgenic expression of Bcl-2 modulates energy metabolism, prevents cytosolic acidification during ischemia, and reduces ischemia/reperfusion injury. <i>Circulation Research</i> , 2004 , 95, 734-41	15.7	170
113	Overexpression of the cardiac Na ⁺ /Ca ²⁺ exchanger increases susceptibility to ischemia/reperfusion injury in male, but not female, transgenic mice. <i>Circulation Research</i> , 1998 , 83, 1215-23	15.7	163
112	Estrogen receptor-beta mediates male-female differences in the development of pressure overload hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H4692-76	5.2	163
111	Glycogen synthase kinase 3 inhibition slows mitochondrial adenine nucleotide transport and regulates voltage-dependent anion channel phosphorylation. <i>Circulation Research</i> , 2008 , 103, 983-91	15.7	150
110	Cysteine 203 of cyclophilin D is critical for cyclophilin D activation of the mitochondrial permeability transition pore. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40184-92	5.4	138
109	Cardiac-specific ablation of the Na ⁺ -Ca ²⁺ exchanger confers protection against ischemia/reperfusion injury. <i>Circulation Research</i> , 2005 , 97, 916-21	15.7	136
108	Simultaneous measurement of protein oxidation and S-nitrosylation during preconditioning and ischemia/reperfusion injury with resin-assisted capture. <i>Circulation Research</i> , 2011 , 108, 418-26	15.7	129
107	CYP2J subfamily cytochrome P450s in the gastrointestinal tract: expression, localization, and potential functional significance. <i>Molecular Pharmacology</i> , 1997 , 51, 931-43	4.3	116
106	Estrogen receptor-beta activation results in S-nitrosylation of proteins involved in cardioprotection. <i>Circulation</i> , 2009 , 120, 245-54	16.7	114
105	The NHLBI-sponsored Consortium for preclinical assessment of cardioprotective therapies (CAESAR): a new paradigm for rigorous, accurate, and reproducible evaluation of putative infarct-sparing interventions in mice, rabbits, and pigs. <i>Circulation Research</i> , 2015 , 116, 572-86	15.7	111
104	Mechanisms of erythropoietin-mediated cardioprotection during ischemia-reperfusion injury: role of protein kinase C and phosphatidylinositol 3-kinase signaling. <i>FASEB Journal</i> , 2005 , 19, 1323-5	0.9	108
103	Creatine kinase-mediated improvement of function in failing mouse hearts provides causal evidence the failing heart is energy starved. <i>Journal of Clinical Investigation</i> , 2012 , 122, 291-302	15.9	108
102	Characterization of potential S-nitrosylation sites in the myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1327-35	5.2	107
101	A redox-based mechanism for cardioprotection induced by ischemic preconditioning in perfused rat heart. <i>Circulation Research</i> , 1995 , 77, 424-9	15.7	107
100	miR-181c regulates the mitochondrial genome, bioenergetics, and propensity for heart failure in vivo. <i>PLoS ONE</i> , 2014 , 9, e96820	3.7	104
99	The role of p38 mitogen-activated protein kinase in myocardial ischemia/reperfusion injury; relationship to ischemic preconditioning. <i>Basic Research in Cardiology</i> , 2002 , 97, 276-85	11.8	94
98	Treatment with an estrogen receptor-beta-selective agonist is cardioprotective. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 769-80	5.8	90

97	Cardioprotection and myocardial reperfusion: pitfalls to clinical application. <i>Circulation Research</i> , 2013 , 113, 464-77	15.7	84
96	Exosomal MicroRNA-15a Transfer from the Pancreas Augments Diabetic Complications by Inducing Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 913-930	8.4	80
95	S-nitrosylation: a radical way to protect the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 568-77	5.8	79
94	Expression of activated PKC epsilon (PKC epsilon) protects the ischemic heart, without attenuating ischemic H(+) production. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 361-7	5.8	73
93	Ion transport and energetics during cell death and protection. <i>Physiology</i> , 2008 , 23, 115-23	9.8	71
92	Ablation of PLB exacerbates ischemic injury to a lesser extent in female than male mice: protective role of NO. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H683-90	5.2	68
91	ErbB2 overexpression upregulates antioxidant enzymes, reduces basal levels of reactive oxygen species, and protects against doxorubicin cardiotoxicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H1271-80	5.2	67
90	Preconditioning enhanced glucose uptake is mediated by p38 MAP kinase not by phosphatidylinositol 3-kinase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 11981-6	5.4	66
89	Ca(2+) loading and adrenergic stimulation reveal male/female differences in susceptibility to ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H481-9	5.2	64
88	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. <i>Cardiovascular Research</i> , 2015 , 106, 227-36	9.9	63
87	Measurement of S-nitrosylation occupancy in the myocardium with cysteine-reactive tandem mass tags: short communication. <i>Circulation Research</i> , 2012 , 111, 1308-12	15.7	63
86	The role of beta-adrenergic receptor signaling in cardioprotection. <i>FASEB Journal</i> , 2005 , 19, 983-5	0.9	63
85	Mitochondrial permeability transition pore and calcium handling. <i>Methods in Molecular Biology</i> , 2012 , 810, 235-42	1.4	61
84	Inhibition of p38 MAPK alpha/beta reduces ischemic injury and does not block protective effects of preconditioning. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H499-508	5.2	61
83	Overexpression of the cardiac beta(2)-adrenergic receptor and expression of a beta-adrenergic receptor kinase-1 (betaARK1) inhibitor both increase myocardial contractility but have differential effects on susceptibility to ischemic injury. <i>Circulation Research</i> , 1999 , 85, 1077-84	15.7	58
82	Endomyocardial Biopsy Characterization of Heart Failure With Preserved Ejection Fraction and Prevalence of Cardiac Amyloidosis. <i>JACC: Heart Failure</i> , 2020 , 8, 712-724	7.9	58
81	Signaling by S-nitrosylation in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 73, 18-25	5.8	57
80	Disruption of caveolae blocks ischemic preconditioning-mediated S-nitrosylation of mitochondrial proteins. <i>Antioxidants and Redox Signaling</i> , 2012 , 16, 45-56	8.4	56

79	Cardioprotection in females: a role for nitric oxide and altered gene expression. <i>Heart Failure Reviews</i> , 2007 , 12, 293-300	5	56
78	Hydrogen sulfide [corrected] increases survival during sepsis: protective effect of CHOP inhibition. <i>Journal of Immunology</i> , 2014 , 192, 1806-14	5.3	54
77	Regulation of the Ca ²⁺ gradient across the sarcoplasmic reticulum in perfused rabbit heart. A 19F nuclear magnetic resonance study. <i>Circulation Research</i> , 1998 , 83, 898-907	15.7	54
76	Essential role of nitric oxide in acute ischemic preconditioning: S-nitros(y)lation versus sGC/cGMP/PKG signaling?. <i>Free Radical Biology and Medicine</i> , 2013 , 54, 105-12	7.8	53
75	Gender differences in sarcoplasmic reticulum calcium loading after isoproterenol. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H2657-62	5.2	53
74	Divergent Effects of miR-181 Family Members on Myocardial Function Through Protective Cytosolic and Detrimental Mitochondrial microRNA Targets. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	52
73	S-nitrosylation of TRIM72 at cysteine 144 is critical for protection against oxidation-induced protein degradation and cell death. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 69, 67-74	5.8	51
72	G protein-coupled receptor internalization signaling is required for cardioprotection in ischemic preconditioning. <i>Circulation Research</i> , 2004 , 94, 1133-41	15.7	50
71	Cyclophilin D modulates mitochondrial acetylome. <i>Circulation Research</i> , 2013 , 113, 1308-19	15.7	48
70	Cardioprotection leads to novel changes in the mitochondrial proteome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H75-91	5.2	47
69	Alterations in apoptotic signaling in human idiopathic cardiomyopathic hearts in failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H268-76	5.2	47
68	Inhibition of GSK-3beta as a target for cardioprotection: the importance of timing, location, duration and degree of inhibition. <i>Expert Opinion on Therapeutic Targets</i> , 2005 , 9, 447-56	6.4	46
67	miR-181b regulates vascular stiffness age dependently in part by regulating TGF-β signaling. <i>PLoS ONE</i> , 2017 , 12, e0174108	3.7	46
66	Skeletal muscle ATP kinetics are impaired in frail mice. <i>Age</i> , 2014 , 36, 21-30		45
65	Postconditioning leads to an increase in protein S-nitrosylation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H825-32	5.2	44
64	Pivotal role of mTORC2 and involvement of ribosomal protein S6 in cardioprotective signaling. <i>Circulation Research</i> , 2014 , 114, 1268-80	15.7	44
63	What makes the mitochondria a killer? Can we condition them to be less destructive?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011 , 1813, 1302-8	4.9	44
62	Overexpression of A(3) adenosine receptors decreases heart rate, preserves energetics, and protects ischemic hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H1562-8	5.2	44

61	Male and female mice overexpressing the beta(2)-adrenergic receptor exhibit differences in ischemia/reperfusion injury: role of nitric oxide. <i>Cardiovascular Research</i> , 2002 , 53, 662-71	9.9	42
60	Additive cardioprotection by pharmacological postconditioning with hydrogen sulfide and nitric oxide donors in mouse heart: S-sulphydration vs. S-nitrosylation. <i>Cardiovascular Research</i> , 2016 , 110, 96-108	9.8	40
59	Overexpression of the Na ⁺ /H ⁺ exchanger and ischemia-reperfusion injury in the myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H2237-47	5.2	38
58	Role of lipoxygenase metabolites in ischemic preconditioning. <i>Circulation Research</i> , 1995 , 76, 457-67	15.7	38
57	Creatine kinase-overexpression improves myocardial energetics, contractile dysfunction and survival in murine doxorubicin cardiotoxicity. <i>PLoS ONE</i> , 2013 , 8, e74675	3.7	38
56	Integration and regression of implanted engineered human vascular networks during deep wound healing. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 297-306	6.9	37
55	Bcl-2 regulation of mitochondrial energetics. <i>Trends in Cardiovascular Medicine</i> , 2005 , 15, 283-90	6.9	37
54	Glibenclamide does not abolish the protective effect of preconditioning on stunning in the isolated perfused rat heart. <i>Cardiovascular Research</i> , 1993 , 27, 630-7	9.9	35
53	Ischemic preconditioning attenuates mitochondrial localization of PTEN induced by ischemia-reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H2177-86	5.3	32
52	Characterization of the sex-dependent myocardial S-nitrosothiol proteome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H505-15	5.2	28
51	Estrogen regulation of protein expression and signaling pathways in the heart. <i>Biology of Sex Differences</i> , 2014 , 5, 6	9.3	28
50	Cardioprotection and altered mitochondrial adenine nucleotide transport. <i>Basic Research in Cardiology</i> , 2009 , 104, 149-56	11.8	28
49	Histological evidence of angiogenesis 9 months after transmyocardial laser revascularization. <i>Circulation</i> , 2001 , 103, 469-71	16.7	28
48	Glyceraldehyde-3-phosphate dehydrogenase acts as a mitochondrial trans-S-nitrosylase in the heart. <i>PLoS ONE</i> , 2014 , 9, e111448	3.7	28
47	Leukocyte-type 12-lipoxygenase-deficient mice show impaired ischemic preconditioning-induced cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H1963-9	5.2	27
46	Creatine kinase overexpression improves ATP kinetics and contractile function in postischemic myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 303, H844-52	5.2	26
45	Mechanism of cardioprotection: what can we learn from females?. <i>Pediatric Cardiology</i> , 2011 , 32, 354-9	2.1	25
44	Strengthening the skin with topical delivery of keratinocyte growth factor-1 using a novel DNA plasmid. <i>Molecular Therapy</i> , 2014 , 22, 752-61	11.7	23

43	Male/female differences in intracellular Na ⁺ regulation during ischemia/reperfusion in mouse heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 37, 747-53	5.8	23
42	Protein kinase C and preconditioning: role of the sarcoplasmic reticulum. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H2484-90	5.2	23
41	Does the voltage dependent anion channel modulate cardiac ischemia-reperfusion injury?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 1451-6	3.8	22
40	Cause of Death and Sudden Cardiac Death After Heart Transplantation. <i>American Journal of Clinical Pathology</i> , 2003 , 119, 740-748	1.9	22
39	Lipoxygenase metabolism of arachidonic acid in ischemic preconditioning and PKC-induced protection in heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 276, H2094-101	5.2	22
38	The correlation of mononuclear cell phenotype in endomyocardial biopsies with clinical history and cardiac dysfunction. <i>American Journal of Clinical Pathology</i> , 1989 , 91, 37-44	1.9	21
37	VAMP-1, VAMP-2, and syntaxin-4 regulate ANP release from cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 791-800	5.8	20
36	Does inhibition of glycogen synthase kinase protect in mice?. <i>Circulation Research</i> , 2008 , 103, 226-8	15.7	20
35	Is Na/Ca exchange during ischemia and reperfusion beneficial or detrimental?. <i>Annals of the New York Academy of Sciences</i> , 2002 , 976, 421-30	6.5	19
34	Sodium Nitrite Fails to Limit Myocardial Infarct Size: Results from the CAESAR Cardioprotection Consortium (LB645). <i>FASEB Journal</i> , 2014 , 28, LB645	0.9	16
33	Lack of Relationship Between Serum Cardiac Troponin I Level and Giant Cell Myocarditis Diagnosis and Outcomes. <i>Journal of Cardiac Failure</i> , 2016 , 22, 583-5	3.3	15
32	Decreased intracellular pH is not due to increased H ⁺ extrusion in preconditioned rat hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997 , 273, H2257-62	5.2	15
31	miR-181c Activates Mitochondrial Calcium Uptake by Regulating MICU1 in the Heart. <i>Journal of the American Heart Association</i> , 2019 , 8, e012919	6	15
30	Mitochondrial adenine nucleotide transport and cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 448-53	5.8	14
29	Aspergillus infection of a permanent ventricular pacing lead. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1984 , 7, 361-6	1.6	14
28	Adenosine A1 receptor activation increases myocardial protein S-nitrosothiols and elicits protection from ischemia-reperfusion injury in male and female hearts. <i>PLoS ONE</i> , 2017 , 12, e0177315	3.7	14
27	Genetic testing improves identification of transthyretin amyloid (ATTR) subtype in cardiac amyloidosis. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2017 , 24, 92-95	2.7	13
26	Does p53 Inhibition Suppress Myocardial Ischemia-Reperfusion Injury?. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2018 , 23, 350-357	2.6	13

25	Acute inhibition of GSK causes mitochondrial remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H2439-45	5.2	13
24	Administration of Sildenafil at Reperfusion Fails to Reduce Infarct Size: Results from the CAESAR Cardioprotection Consortium (LB650). <i>FASEB Journal</i> , 2014 , 28, LB650	0.9	13
23	Molecular Signature of Nitroso-Redox Balance in Idiopathic Dilated Cardiomyopathies. <i>Journal of the American Heart Association</i> , 2015 , 4, e002251	6	11
22	Signalosomes: delivering cardioprotective signals from GPCRs to mitochondria. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H920-H922	5.2	10
21	Baseline Characteristics Predict the Presence of Amyloid on Endomyocardial Biopsy. <i>Journal of Cardiac Failure</i> , 2017 , 23, 340-344	3.3	8
20	Deletion of the microRNA-degrading nuclease, translin/trax, prevents pathogenic vascular stiffness. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1116-H1124	5.2	8
19	Sildenafil treatment attenuates ventricular remodeling in an experimental model of aortic regurgitation. <i>SpringerPlus</i> , 2015 , 4, 592		8
18	Regulation of Mitochondrial Ca Uptake. <i>Annual Review of Physiology</i> , 2021 , 83, 107-126	23.1	6
17	Did a classic preconditioning study provide a clue to the identity of the mitochondrial permeability transition pore?. <i>Circulation Research</i> , 2013 , 113, 852-5	15.7	5
16	Nuclear-mitochondrial communication involving miR-181c plays an important role in cardiac dysfunction during obesity. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 144, 87-96	5.8	5
15	Effect of p38 MAP kinases on contractility and ischemic injury in intact heart. <i>Acta Physiologica Hungarica</i> , 2009 , 96, 307-23		4
14	In Vivo Nanovector Delivery of a Heart-specific MicroRNA-sponge. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	3
13	Male-female differences in post translational modifications of mitochondrial proteins. <i>FASEB Journal</i> , 2009 , 23,	0.9	2
12	S-nitrosylation of cyclophilin D alters mitochondrial permeability transition pore. <i>FASEB Journal</i> , 2011 , 25, 1033.1	0.9	2
11	Increased Interleukin 18-Dependent Immune Responses Are Associated With Myopericarditis After COVID-19 mRNA Vaccination.. <i>Frontiers in Immunology</i> , 2022 , 13, 851620	8.4	2
10	Mitochondrial Creatine Kinase Attenuates Pathologic Remodeling in Heart Failure.. <i>Circulation Research</i> , 2022 , CIRCRESAHA121319648	15.7	1
9	Degradation of Premature-miR-181b by the Translin/Trax RNase Increases Vascular Smooth Muscle Cell Stiffness. <i>Hypertension</i> , 2021 , 78, 831-839	8.5	1
8	Role of miR-181c in Diet-induced obesity through regulation of lipid synthesis in liver. <i>PLoS ONE</i> , 2021 , 16, e0256973	3.7	1

- 7 Pathology Residency Program Special Expertise Tracks Meet the Needs of an Evolving Field. *Academic Pathology*, **2021**, 8, 23742895211037034 1.3 0
- 6 DNA Microarray Gene Profiling: A Tool for the Elucidation of Cardioprotective Genes99-112
- 5 A Role for the Phosphatidylinositol-3-Kinase Pathway in Preconditioning. *Progress in Experimental Cardiology*, **2003**, 275-282
- 4 Mechanisms of Erythropoietin-Mediated Cardioprotection during Ischemia-Reperfusion Injury: Role of Protein Kinase C Signaling.. *Blood*, **2004**, 104, 2907-2907 2.2
- 3 The Role of Mitochondria in Necrosis Following Myocardial Ischemia-Reperfusion **2007**, 291-301
- 2 Preconditioning increases S-nitrosylation of L-type calcium channel and SERCA2a. *FASEB Journal*, **2007**, 21, A1379 0.9
- 1 Identification of potential S-nitrosylation sites in the myocardium. *FASEB Journal*, **2011**, 25, 1094.4 0.9