Sean Davidson

List of Publications by Year
in descending order

216 papers	15,882 citations	16411 — 64 h-index	17546 — 121 g-index
226 all docs	226 docs citations	226 times ranked	20813 citing authors

#	Article	IF	Citations
1	Ischaemic accumulation of succinate controls reperfusion injury through mitochondrial ROS. Nature, 2014, 515, 431-435.	13.7	1,989
2	Inhibiting Mitochondrial Fission Protects the Heart Against Ischemia/Reperfusion Injury. Circulation, 2010, 121, 2012-2022.	1.6	845
3	De novo cardiomyocytes from within the activated adult heart after injury. Nature, 2011, 474, 640-644.	13.7	602
4	Multitarget Strategies to Reduce Myocardial Ischemia/Reperfusion Injury. Journal of the American College of Cardiology, 2019, 73, 89-99.	1.2	484
5	Plasma Exosomes Protect the Myocardium From Ischemia-Reperfusion Injury. Journal of the American College of Cardiology, 2015, 65, 1525-1536.	1.2	436
6	Vascular Smooth Muscle Cell Calcification Is Mediated by Regulated Exosome Secretion. Circulation Research, 2015, 116, 1312-1323.	2.0	419
7	Endothelial Mitochondria. Circulation Research, 2007, 100, 1128-1141.	2.0	331
8	Practical guidelines for rigor and reproducibility in preclinical and clinical studies on cardioprotection. Basic Research in Cardiology, 2018, 113, 39.	2.5	311
9	Necrostatin: A Potentially Novel Cardioprotective Agent?. Cardiovascular Drugs and Therapy, 2007, 21, 227-233.	1.3	292
10	Extracellular vesicles in diagnostics and therapy of the ischaemic heart: Position Paper from the Working Group on Cellular Biology of the Heart of the European Society of Cardiology. Cardiovascular Research, 2018, 114, 19-34.	1.8	284
11	Novel targets and future strategies for acute cardioprotection: Position Paper of the European Society of Cardiology Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2017, 113, 564-585.	1.8	278
12	Microvesicles and exosomes: new players in metabolic and cardiovascular disease. Journal of Endocrinology, 2016, 228, R57-R71.	1.2	270
13	Ischaemic conditioning and targeting reperfusion injury: a 30Âyear voyage of discovery. Basic Research in Cardiology, 2016, 111, 70.	2.5	257
14	Comparison of small extracellular vesicles isolated from plasma by ultracentrifugation or sizeâ€exclusion chromatography: yield, purity and functional potential. Journal of Extracellular Vesicles, 2019, 8, 1560809.	5.5	254
15	Molecular regulation of cardiac hypertrophy. International Journal of Biochemistry and Cell Biology, 2008, 40, 2023-2039.	1.2	250
16	Preconditioning and postconditioning: The essential role of the mitochondrial permeability transition pore. Cardiovascular Research, 2007, 75, 530-535.	1.8	232
17	Position Paper of the European Society of Cardiology Working Group Cellular Biology of the Heart: cell-based therapies for myocardial repair and regeneration in ischemic heart disease and heart failure. European Heart Journal, 2016, 37, 1789-1798.	1.0	210
18	Mitochondrial uncoupling, with low concentration FCCP, induces ROS-dependent cardioprotection independent of KATP channel activation. Cardiovascular Research, 2006, 72, 313-321.	1.8	205

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19	STAT-1 Interacts with p53 to Enhance DNA Damage-induced Apoptosis. Journal of Biological Chemistry, 2004, 279, 5811-5820.	1.6	200
20	Apelin-13 and apelin-36 exhibit direct cardioprotective activity against ischemiareperfusion injury. Basic Research in Cardiology, 2007, 102, 518-528.	2.5	187
21	Metformin protects the ischemic heart by the Akt-mediated inhibition of mitochondrial permeability transition pore opening. Basic Research in Cardiology, 2008, 103, 274-284.	2.5	185
22	Signalling via the reperfusion injury signalling kinase (RISK) pathway links closure of the mitochondrial permeability transition pore to cardioprotection. International Journal of Biochemistry and Cell Biology, 2006, 38, 414-419.	1.2	167
23	Exosomes. Circulation Research, 2014, 114, 325-332.	2.0	164
24	Confounding factors in vesicle uptake studies using fluorescent lipophilic membrane dyes. Journal of Extracellular Vesicles, 2017, 6, 1388731.	5.5	152
25	The coronary circulation in acute myocardial ischaemia/reperfusion injury: a target for cardioprotection. Cardiovascular Research, 2019, 115, 1143-1155.	1.8	151
26	The Cardioprotective Effect of Necrostatin Requires the Cyclophilin-D Component of the Mitochondrial Permeability Transition Pore. Cardiovascular Drugs and Therapy, 2007, 21, 467-469.	1.3	150
27	Photoaffinity Labeling of Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Targets in Mammalian Cells*. Journal of Biological Chemistry, 2012, 287, 2296-2307.	1.6	150
28	ESC Working Group Cellular Biology of the Heart: Position Paper: improving the preclinical assessment of novel cardioprotective therapies. Cardiovascular Research, 2014, 104, 399-411.	1.8	143
29	Leptin, the obesity-associated hormone, exhibits direct cardioprotective effects. British Journal of Pharmacology, 2006, 149, 5-13.	2.7	137
30	HIF-1 reduces ischaemiaâ€“reperfusion injury in the heart by targeting the mitochondrial permeability transition pore. Cardiovascular Research, 2014, 104, 24-36.	1.8	136
31	The novel adipocytokine visfatin exerts direct cardioprotective effects. Journal of Cellular and Molecular Medicine, 2008, 12, 1395-1403.	1.6	125
32	Critical considerations for the development of potency tests for therapeutic applications of mesenchymal stromal cell-derived small extracellular vesicles. Cytotherapy, 2021, 23, 373-380.	0.3	125
33	Remote ischaemic preconditioning involves signalling through the SDF-1Î±/CXCR4 signalling axis. Basic Research in Cardiology, 2013, 108, 377.	2.5	119
34	Mitochondrial and mitochondrialâ€independent pathways of myocardial cell death during ischaemia and reperfusion injury. Journal of Cellular and Molecular Medicine, 2020, 24, 3795-3806.	1.6	118
35	Epigenomic and transcriptomic approaches in the post-genomic era: path to novel targets for diagnosis and therapy of the ischaemic heart? Position Paper of the European Society of Cardiology Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2017, 113, 725-736.	1.8	114
36	Enhancing AMPK activation during ischemia protects the diabetic heart against reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H2123-H2134.	1.5	112

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37	Glycogen Synthase Kinase-3 Inactivation Is Not Required for Ischemic Preconditioning or Postconditioning in the Mouse. Circulation Research, 2008, 103, 307-314.	2.0	111
38	Circulating blood cells and extracellular vesicles in acute cardioprotection. Cardiovascular Research, 2019, 115, 1156-1166.	1.8	106
39	Hsp25 and the p38 MAPK Pathway Are Involved in Differentiation of Cardiomyocytes. Developmental Biology, 2000, 218, 146-160.	0.9	103
40	Remote ischemic conditioning: from experimental observation to clinical application: report from the 8th Biennial Hatter Cardiovascular Institute Workshop. Basic Research in Cardiology, 2015, 110, 453.	2.5	103
41	ALIX Regulates Tumor-Mediated Immunosuppression by Controlling EGFR Activity and PD-L1 Presentation. Cell Reports, 2018, 24, 630-641.	2.9	103
42	Innate immunity as a target for acute cardioprotection. Cardiovascular Research, 2019, 115, 1131-1142.	1.8	101
43	Endothelial mitochondria and heart disease. Cardiovascular Research, 2010, 88, 58-66.	1.8	100
44	Loss of PINK1 Increases the Heart's Vulnerability to Ischemia-Reperfusion Injury. PLoS ONE, 2013, 8, e62400.	1.1	99
45	Leptin-induced cardioprotection involves JAK/STAT signaling that may be linked to the mitochondrial permeability transition pore. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1265-H1270.	1.5	94
46	ESC Working Group on Cellular Biology of the Heart: position paper for Cardiovascular Research: tissue engineering strategies combined with cell therapies for cardiac repair in ischaemic heart disease and heart failure. Cardiovascular Research, 2019, 115, 488-500.	1.8	90
47	Mitochondrial cyclophilin-D as a critical mediator of ischaemic preconditioning. Cardiovascular Research, 2010, 88, 67-74.	1.8	86
48	Calcium microdomains and oxidative stress. Cell Calcium, 2006, 40, 561-574.	1.1	84
49	Co-dependence of the neural and humoral pathways in the mechanism of remote ischemic conditioning. Basic Research in Cardiology, 2016, 111, 50.	2.5	84
50	The cytokine storm of COVID-19: a spotlight on prevention and protection. Expert Opinion on Therapeutic Targets, 2020, 24, 723-730.	1.5	84
51	Stromal derived factor 1Î±: A chemokine that delivers a two-pronged defence of the myocardium. , 2014, 143, 305-315.		82
52	Cardioprotection mediated by exosomes is impaired in the setting of type II diabetes but can be rescued by the use of nonâ€diabetic exosomes <i>in vitro</i>. Journal of Cellular and Molecular Medicine, 2018, 22, 141-151.	1.6	82
53	Calcium handling precedes cardiac differentiation to initiate the first heartbeat. ELife, 2016, 5, .	2.8	81
54	Endothelial cells release cardioprotective exosomes that may contribute to ischaemic preconditioning. Scientific Reports, 2018, 8, 15885.	1.6	80

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55	Exosomes and cardioprotection â€" A critical analysis. Molecular Aspects of Medicine, 2018, 60, 104-114.	2.7	78
56	9th Hatter Biannual Meeting: position document on ischaemia/reperfusion injury, conditioning and the ten commandments of cardioprotection. Basic Research in Cardiology, 2016, 111, 41.	2.5	77
57	Effects of NO on mitochondrial function in cardiomyocytes: Pathophysiological relevance. Cardiovascular Research, 2006, 71, 10-21.	1.8	74
58	Local Control of Nuclear Calcium Signaling in Cardiac Myocytes by Perinuclear Microdomains of Sarcolemmal Insulin-Like Growth Factor 1 Receptors. Circulation Research, 2013, 112, 236-245.	2.0	73
59	IMproving Preclinical Assessment of Cardioprotective Therapies (IMPACT) criteria: guidelines of the EU-CARDIOPROTECTION COST Action. Basic Research in Cardiology, 2021, 116, 52.	2.5	73
60	Parkin is recruited into aggresomes in a stress-specific manner: over-expression of parkin reduces aggresome formation but can be dissociated from parkin's effect on neuronal survival. Human Molecular Genetics, 2003, 13, 117-135.	1.4	72
61	Remote ischaemic conditioning reduces infarct size in animal<i>in vivo</i>models of ischaemia-reperfusion injury: a systematic review and meta-analysis. Cardiovascular Research, 2017, 113, cvw219.	1.8	71
62	miR-19a-3p containing exosomes improve function of ischaemic myocardium upon shock wave therapy. Cardiovascular Research, 2020, 116, 1226-1236.	1.8	71
63	Dexmedetomidine protects the heart against ischemia-reperfusion injury by an endothelial eNOS/NO dependent mechanism. Pharmacological Research, 2016, 103, 318-327.	3.1	69
64	Prognostically relevant periprocedural myocardial injury and infarction associated with percutaneous coronary interventions: a Consensus Document of the ESC Working Group on Cellular Biology of the Heart and European Association of Percutaneous Cardiovascular Interventions (EAPCI). European Heart Journal, 2021, 42, 2630-2642.	1.0	69
65	Metformin Prevents Myocardial Reperfusion Injury by Activating the Adenosine Receptor. Journal of Cardiovascular Pharmacology, 2009, 53, 373-378.	0.8	68
66	Transitory Activation of AMPK at Reperfusion Protects the Ischaemic-Reperfused Rat Myocardium Against Infarction. Cardiovascular Drugs and Therapy, 2010, 24, 25-32.	1.3	68
67	Exosomes and Cardiovascular Protection. Cardiovascular Drugs and Therapy, 2017, 31, 77-86.	1.3	68
68	Slow calcium waves and redox changes precede mitochondrial permeability transition pore opening in the intact heart during hypoxia and reoxygenation. Cardiovascular Research, 2012, 93, 445-453.	1.8	64
69	Novel therapeutic strategies for cardioprotection. , 2014, 144, 60-70.		64
70	DJ-1 protects against cell death following acute cardiac ischemiaâ€"reperfusion injury. Cell Death and Disease, 2014, 5, e1082-e1082.	2.7	63
71	Î²3 adrenergic receptor selective stimulation during ischemia/reperfusion improves cardiac function in translational models through inhibition of mPTP opening in cardiomyocytes. Basic Research in Cardiology, 2014, 109, 422.	2.5	63
72	Small extracellular vesicles secreted from human amniotic fluid mesenchymal stromal cells possess cardioprotective and promigratory potential. Basic Research in Cardiology, 2020, 115, 26.	2.5	62

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73	Urocortin prevents mitochondrial permeability transition in response to reperfusion injury indirectly by reducing oxidative stress. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H928-H938.	1.5	60
74	Neural mechanisms in remote ischaemic conditioning in the heart and brain: mechanistic and translational aspects. Basic Research in Cardiology, 2018, 113, 25.	2.5	59
75	Mitochondrial cyclophilin-D as a potential therapeutic target for post-myocardial infarction heart failure. Journal of Cellular and Molecular Medicine, 2011, 15, 2443-2451.	1.6	58
76	The role of PI3KÎ± isoform in cardioprotection. Basic Research in Cardiology, 2017, 112, 66.	2.5	56
77	STAT-1 facilitates the ATM activated checkpoint pathway following DNA damage. Journal of Cell Science, 2005, 118, 1629-1639.	1.2	54
78	Improving translational research in sex-specific effects of comorbidities and risk factors in ischaemic heart disease and cardioprotection: position paper and recommendations of the ESC Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2021, 117, 367-385.	1.8	53
79	Mouse models of atherosclerosis and their suitability for the study of myocardial infarction. Basic Research in Cardiology, 2020, 115, 73.	2.5	49
80	Discovery of new therapeutic redox targets for cardioprotection against ischemia/reperfusion injury and heart failure. Free Radical Biology and Medicine, 2021, 163, 325-343.	1.3	48
81	The powerful cardioprotective effects of urocortin and the corticotropin releasing hormone (CRH) family. Biochemical Pharmacology, 2009, 77, 141-150.	2.0	46
82	Cardioprotection mediated by urocortin is dependent upon PKCÎµ activation. FASEB Journal, 2005, 19, 1-18.	0.2	44
83	Inhibition of NAADP signalling on reperfusion protects the heart by preventing lethal calcium oscillations via two-pore channel 1 and opening of the mitochondrial permeability transition pore. Cardiovascular Research, 2015, 108, 357-366.	1.8	44
84	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies: from exosomes to microvesicles. Cardiovascular Research, 2023, 119, 45-63.	1.8	44
85	The Caspase 1 Inhibitor VX-765 Protects the Isolated Rat Heart via the RISK Pathway. Cardiovascular Drugs and Therapy, 2018, 32, 165-168.	1.3	43
86	Intrinsic cardiac ganglia and acetylcholine are important in the mechanism of ischaemic preconditioning. Basic Research in Cardiology, 2017, 112, 11.	2.5	42
87	From Protecting the Heart to Improving Athletic Performance â€“ the Benefits of Local and Remote Ischaemic Preconditioning. Cardiovascular Drugs and Therapy, 2015, 29, 573-588.	1.3	41
88	Does remote ischaemic conditioning reduce inflammation? A focus on innate immunity and cytokine response. Basic Research in Cardiology, 2021, 116, 12.	2.5	41
89	The Transcriptional Coactivator p300 Plays a Critical Role in the Hypertrophic and Protective Pathways Induced by Phenylephrine in Cardiac Cells but Is Specific to the Hypertrophic Effect of Urocortin. ChemBioChem, 2005, 6, 162-170.	1.3	40
90	Hypertrophic effects of urocortin homologous peptides are mediated via activation of the Akt pathway. Biochemical and Biophysical Research Communications, 2005, 328, 442-448.	1.0	39

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91	Assessing Mitochondrial Potential, Calcium, and Redox State in Isolated Mammalian Cells Using Confocal Microscopy. Methods in Molecular Biology, 2007, 372, 421-430.	0.4	39
92	Role of Caspase 1 in Ischemia/Reperfusion Injury of the Myocardium. Journal of Cardiovascular Pharmacology, 2019, 74, 194-200.	0.8	38
93	The cannabinoid CB1 receptor antagonist, rimonabant, protects against acute myocardial infarction. Basic Research in Cardiology, 2009, 104, 781-792.	2.5	36
94	Therapeutic strategies utilizing SDF-1Î± in ischaemic cardiomyopathy. Cardiovascular Research, 2018, 114, 358-367.	1.8	36
95	Myocardial regeneration: expanding the repertoire of thymosin Î²4 in the ischemic heart. Annals of the New York Academy of Sciences, 2012, 1269, 92-101.	1.8	35
96	Cytotoxicity of 5-Aza-2â€²-deoxycytidine in a mammalian cell system. European Journal of Cancer, 1992, 28, 362-368.	1.3	34
97	Targeting myocardial ischaemic injury in the absence of reperfusion. Basic Research in Cardiology, 2020, 115, 63.	2.5	34
98	Neuroprotection in Rats Following Ischaemia-Reperfusion Injury by GLP-1 Analoguesâ€"Liraglutide and Semaglutide. Cardiovascular Drugs and Therapy, 2019, 33, 661-667.	1.3	33
99	Epistatic Rescue of Nkx2.5 Adult Cardiac Conduction Disease Phenotypes by Prospero-Related Homeobox Protein 1 and HDAC3. Circulation Research, 2012, 111, e19-31.	2.0	32
100	Increased production of functional small extracellular vesicles in senescent endothelial cells. Journal of Cellular and Molecular Medicine, 2020, 24, 4871-4876.	1.6	32
101	Glucagon-like peptide-1 (GLP-1) receptor activation dilates cerebral arterioles, increases cerebral blood flow, and mediates remote (pre)conditioning neuroprotection against ischaemic stroke. Basic Research in Cardiology, 2021, 116, 32.	2.5	32
102	Urocortin: a protective peptide that targets both the myocardium and vasculature. Pharmacological Reports, 2009, 61, 172-182.	1.5	30
103	Role of PI3K in myocardial ischaemic preconditioning: mapping proâ€survival cascades at the trigger phase and at reperfusion. Journal of Cellular and Molecular Medicine, 2018, 22, 926-935.	1.6	30
104	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC Working Group on Myocardial Function and the ESC Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2022, 118, 3016-3051.	1.8	30
105	A critical role for the chromatin remodeller CHD7 in anterior mesoderm during cardiovascular development. Developmental Biology, 2015, 405, 82-95.	0.9	27
106	The cardioprotective effect of urocortin during ischaemia/reperfusion involves the prevention of mitochondrial damage. Biochemical and Biophysical Research Communications, 2004, 321, 479-486.	1.0	26
107	Biologically active constituents of the secretome of human W8B2+ cardiac stem cells. Scientific Reports, 2018, 8, 1579.	1.6	26
108	COVID-19-related cardiac complications from clinical evidences to basic mechanisms: opinion paper of the ESC Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2021, 117, 2148-2160.	1.8	26

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109	The Developmental Expression of Small HSP. Progress in Molecular and Subcellular Biology, 2002, 28, 103-128.	0.9	24
110	Matrix metalloproteinase inhibition protects CyPD knockout mice independently of RISK/mPTP signalling: a parallel pathway to protection. Basic Research in Cardiology, 2013, 108, 331.	2.5	23
111	Progress in cardiac research: from rebooting cardiac regeneration to a complete cell atlas of the heart. Cardiovascular Research, 2021, 117, 2161-2174.	1.8	23
112	Imaging Mitochondrial Calcium Signalling with Fluorescent Probes and Single or Two Photon Confocal Microscopy. Methods in Molecular Biology, 2012, 810, 219-234.	0.4	22
113	Cyclosporin A Induces an Atypical Heat Shock Response. Biochemical and Biophysical Research Communications, 2000, 269, 464-469.	1.0	20
114	The importance of clinically relevant background therapy in cardioprotective studies. Basic Research in Cardiology, 2020, 115, 69.	2.5	19
115	The Role of Extracellular DNA and Histones in Ischaemia-Reperfusion Injury of the Myocardium. Cardiovascular Drugs and Therapy, 2020, 34, 123-131.	1.3	19
116	Extracellular histones are a target in myocardial ischaemiaâ€“reperfusion injury. Cardiovascular Research, 2022, 118, 1115-1125.	1.8	19
117	The Cardioprotective Actions of Leptin Are Lost in the Zucker Obese (fa/fa) Rat. Journal of Cardiovascular Pharmacology, 2009, 53, 311-317.	0.8	18
118	The GTN patch: a simple and effective new approach to cardioprotection?. Basic Research in Cardiology, 2018, 113, 20.	2.5	18
119	Stromal cell-derived factor-1Î± signals via the endothelium to protect the heart against ischaemia-reperfusion injury. Journal of Molecular and Cellular Cardiology, 2019, 128, 187-197.	0.9	17
120	The Bacterial Nucleoside N6-Methyldeoxyadenosine Induces the Differentiation of Mammalian Tumor Cells. Biochemical and Biophysical Research Communications, 2001, 285, 800-805.	1.0	16
121	Exogenous Administration of Recombinant MIF at Physiological Concentrations Failed to Attenuate Infarct Size in a Langendorff Perfused Isolated Mouse Heart Model. Cardiovascular Drugs and Therapy, 2016, 30, 445-453.	1.3	16
122	Ischaemic Preconditioning Protects Cardiomyocytes from Anthracycline-Induced Toxicity via the PI3K Pathway. Cardiovascular Drugs and Therapy, 2018, 32, 245-253.	1.3	16
123	In vivo growth of a murine lymphoma cell line alters regulation of expression of HSP72. Molecular and Cellular Biology, 1995, 15, 1071-1078.	1.1	15
124	FLIP protects cardiomyocytes from apoptosis induced by simulated ischemia/reoxygenation, as demonstrated by short hairpin-induced (shRNA) silencing of FLIP mRNA. Journal of Molecular and Cellular Cardiology, 2003, 35, 1359-1364.	0.9	15
125	Exogenous SDF-1Î± Protects Human Myocardium from Hypoxia-Reoxygenation Injury via CXCR4. Cardiovascular Drugs and Therapy, 2015, 29, 589-592.	1.3	15
126	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	15

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127	Neuroprotection by remote ischemic conditioning in the setting of acute ischemic stroke: a preclinical two-centre study. Scientific Reports, 2020, 10, 16874.	1.6	15
128	Exosomes from neuronal stem cells may protect the heart from ischaemia/reperfusion injury via JAK1/2 and gp130. Journal of Cellular and Molecular Medicine, 2021, 25, 4455-4465.	1.6	14
129	Mitochondrial DNA Damage, Oxidative Stress, and Atherosclerosis. Circulation, 2013, 128, 681-683.	1.6	12
130	Failure of the Adipocytokine, Resistin, to Protect the Heart From Ischemia-Reperfusion Injury. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 63-71.	1.0	11
131	Melatonin as a cardioprotective therapy following ST-segment elevation myocardial infarction: is it really promising? Reply. Cardiovascular Research, 2017, 113, 1418-1419.	1.8	11
132	Mitochondrial PINK1â€"A Novel Cardioprotective Kinase?. Cardiovascular Drugs and Therapy, 2008, 22, 507-508.	1.3	10
133	27â€...Exosomes Released from Endothelial Cells are Cardioprotective. Heart, 2014, 100, A10-A10.	1.2	10
134	Mitochondrial pharmacology: energy, injury and beyond. British Journal of Pharmacology, 2014, 171, 1795-1797.	2.7	10
135	Circadian rhythms in ischaemic heart disease: key aspects for preclinical and translational research: position paper of the ESC working group on cellular biology of the heart. Cardiovascular Research, 2021, , .	1.8	10
136	Myocardial Viability Imaging using Manganeseâ€Enhanced MRI in the First Hours after Myocardial Infarction. Advanced Science, 2021, 8, e2003987.	5.6	8
137	Stem Cell Aging and Age-Related Cardiovascular Disease: Perspectives of Treatment by Ex-vivo Stem Cell Rejuvenation. Current Drug Targets, 2015, 16, 780-785.	1.0	8
138	162â€...Polymersomes Functionalized with HSP70 â€" Novel, Synthetic Cardioprotective Nanovesicles. Heart, 2016, 102, A115.2-A115.	1.2	7
139	Do We Really Need Aspirin Loading for STEMI?. Cardiovascular Drugs and Therapy, 2022, 36, 1221-1238.	1.3	7
140	The Mitochondrial Permeability Transition Pore as a Target for Cardioprotection in Hypertrophic Cardiomyopathy. Cardiovascular Drugs and Therapy, 2013, 27, 235-237.	1.3	6
141	Endothelial Insulin Resistance Protects the Heart Against Prolonged Ischemiaâ€"Reperfusion Injury But Does Not Prevent Insulin Transport Across the Endothelium in a Mouse Langendorff Model. Journal of Cardiovascular Pharmacology and Therapeutics, 2014, 19, 586-591.	1.0	6
142	Imaging Mitochondrial Calcium Fluxes with Fluorescent Probes and Single- or Two-Photon Confocal Microscopy. Methods in Molecular Biology, 2018, 1782, 171-186.	0.4	6
143	Shining the spotlight on cardioprotection: beyond the cardiomyocyte. Cardiovascular Research, 2019, 115, 1115-1116.	1.8	6
144	STAT5 fits the RISK profile for cardioprotection. Jak-stat, 2012, 1, 73-76.	2.2	5

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145	24â€...Protecting the Heart at a Distance: Exosomes for nano-sized Cardioprotection. Heart, 2014, 100, A9.1-A9.	1.2	5
146	TPC1 Knockout Knocks Out TPC1. Molecular and Cellular Biology, 2015, 35, 1882-1883.	1.1	5
147	162â€...Regulated Exosome Secretion by Vascular Smooth Muscle Cells Mediates Vascular Calcification. Heart, 2014, 100, A93-A94.	1.2	4
148	New insights into cardiotoxicity caused by chemotherapeutic agents. British Journal of Pharmacology, 2017, 174, 3675-3676.	2.7	4
149	A novel recombinant antibody specific to full-length stromal derived factor-1 for potential application in biomarker studies. PLoS ONE, 2017, 12, e0174447.	1.1	4
150	Can glucagon-like peptide-1 (GLP-1) analogues make neuroprotection a reality?. Neural Regeneration Research, 2020, 15, 1852.	1.6	4
151	The role of nitric oxide in mitochondria. Focus on â€œModulation of mitochondrial Ca2+ by nitric oxide in cultured bovine vascular endothelial cellsâ€. American Journal of Physiology - Cell Physiology, 2005, 289, C775-C777.	2.1	3
152	The effect of Cyclosporine A on cardiomyocytes differentiation. Journal of Cellular and Molecular Medicine, 2007, 11, 369-371.	1.6	3
153	Urocortin: A Few Inflammatory Remarks. Endocrinology, 2009, 150, 5205-5207.	1.4	3
154	Cardioprotection â€" is no the answer? A renewed look at nitric oxide signalling in cardiomyocytes. Cardiovascular Research, 2018, 114, 773-775.	1.8	3
155	Benefit of Extracellular Vesicles at the Blood-Brain Barrier. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1146-1148.	1.1	3
156	RIC in COVID-19â€"a Clinical Trial to Investigate Whether Remote Ischemic Conditioning (RIC) Can Prevent Deterioration to Critical Care in Patients with COVID-19. Cardiovascular Drugs and Therapy, 2022, 36, 925-930.	1.3	3
157	Does Hyperglycemia Reduce Proliferation or Increase Apoptosis?. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H1486-H1487.	1.5	2
158	Transgenic overexpression of HSP56 does not result in cardiac hypertrophy nor protect from ischaemia/reperfusion injury. International Journal of Biochemistry and Cell Biology, 2011, 43, 74-79.	1.2	2
159	37 A novel role for DJ-1 in cardioprotection. Heart, 2011, 97, e8-e8.	1.2	2
160	A needle in a haystack: focus on â€œProteomic alterations of distinct mitochondrial subpopulations in the type 1 diabetic heartâ€. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R183-R185.	0.9	2
161	Microvesicles and Exosomes in Local and Distant Communication with the Heart. Pancreatic Islet Biology, 2016, , 143-162.	0.1	2
162	Ventilation strategy has a major influence on remote ischaemic preconditioning in mice. Journal of Cellular and Molecular Medicine, 2017, 21, 2426-2431.	1.6	2

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163	Protection From Cardiac Ischemia-Reperfusion Injury by Epigenetic Regulation of NADPH Oxidase. Circulation, 2018, 138, 2837-2840.	1.6	2
164	FAM3A â€“ A mitochondrial route to the stimulation of angiogenesis?. EBioMedicine, 2019, 43, 3-4.	2.7	2
165	Preconditioning and postconditioning: The essential role of the mitochondrial permeability transition pore. Journal of Molecular and Cellular Cardiology, 2007, 42, S171.	0.9	1
166	Apelin, the potentially therapeutic adipocytokine, protects against myocardial ischemiaâ€"reperfusion injury. Journal of Molecular and Cellular Cardiology, 2007, 42, S208.	0.9	1
167	Metformin cardioprotects the diabetic heart by inhibiting mPTP opening via the risk pathway. Journal of Molecular and Cellular Cardiology, 2007, 42, S217.	0.9	1
168	The cardioprotective effect of atorvastatinâ€"Is there a role for the adenosine receptor?. Journal of Molecular and Cellular Cardiology, 2008, 44, 778-779.	0.9	1
169	Response to â€œCausal reasoning: the â€˜magical numberâ€™ threeâ€. EMBO Reports, 2009, 10, 938-938.	2.0	1
170	High on the hog. Nature, 2010, 468, 594-594.	13.7	1
171	Reflections on 40â€…years of the British Society for Cardiovascular Research (BSCR). Heart, 2013, 99, 1551-1553.	1.2	1
172	238 RAT PLASMA EXOSOMES ARE CARDIOPROTECTIVE. Heart, 2013, 99, A127.2-A127.	1.2	1
173	4â€…Characterisation of Mitochondrial Morphology in the Adult Rodent Heart. Heart, 2014, 100, A2.4-A3.	1.2	1
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