Jun Feng

List of Publications by Year
in descending order

128	3,068	186265	197818
papers	citations	28 h-index	49 g-index

129	129	129	3004
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inhibition of mitochondrial reactive oxygen species improves coronary endothelial function after cardioplegic hypoxia/reoxygenation. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, e207-e226.	0.8	15
2	Glycemic control is not associated with neurocognitive decline after cardiac surgery. Journal of Cardiac Surgery, 2022, 37, 138-147.	0.7	4
3	Metabolic regulation and dysregulation of endothelial small conductance calcium activated potassium channels. European Journal of Cell Biology, 2022, 101, 151208.	3.6	8
4	Mechanisms and clinical implications of endothelium-dependent vasomotor dysfunction in coronary microvasculature. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H819-H841.	3.2	25
5	Commentary: Ionic heterogeneity in vessel grafts. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, e411-e412.	0.8	0
6	The cardiac molecular setting of metabolic syndrome in pigs reveals disease susceptibility and suggests mechanisms that exacerbate COVID-19 outcomes in patients. Scientific Reports, 2021, 11, 19752.	3.3	1
7	Chronic Inhibition of mROS Protects Against Coronary Endothelial Dysfunction in Mice With Diabetes. Frontiers in Cell and Developmental Biology, 2021, 9, 643810.	3.7	5
8	Skeletal muscle microvasculature response to Î²-adrenergic stimuli is diminished with cardiac surgery. Surgery, 2020, 167, 493-498.	1.9	4
9	Effects of neuropeptide Y on the microvasculature of human skeletal muscle. Surgery, 2020, 168, 155-159.	1.9	6
10	Coronary endothelial dysfunction prevented by small-conductance calcium-activated potassium channel activator in mice and patients with diabetes. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, e263-e280.	0.8	10
11	Metabolic regulation of endothelial SK channels and human coronary microvascular function. International Journal of Cardiology, 2020, 312, 1-9.	1.7	12
12	Increased coronary arteriolar contraction to serotonin in juvenile pigs with metabolic syndrome. Molecular and Cellular Biochemistry, 2019, 461, 57-64.	3.1	7
13	Robust effect of metabolic syndrome on major metabolic pathways in the myocardium. PLoS ONE, 2019, 14, e0225857.	2.5	9
14	Decreased coronary arteriolar response to KCa channel opener after cardioplegic arrest in diabetic patients. Molecular and Cellular Biochemistry, 2018, 445, 187-194.	3.1	15
15	Enhanced coronary arteriolar contraction to vasopressin in patients with diabetes after cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 2098-2107.	0.8	15
16	Impaired coronary contraction to phenylephrine after cardioplegic arrest in diabetic patients. Journal of Surgical Research, 2018, 230, 80-86.	1.6	5
17	Decreased contractile response of peripheral arterioles to serotonin after CPB in patients with diabetes. Surgery, 2018, 164, 288-293.	1.9	6
18	Mitochondrial redox plays a critical role in the paradoxical effects of NAPDH oxidase-derived ROS on coronary endothelium. Cardiovascular Research, 2017, 113, 234-246.	3.8	50

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19	Diabetes Upregulation of Cyclooxygenase 2ÂContributes to Altered Coronary Reactivity After Cardiac Surgery. Annals of Thoracic Surgery, 2017, 104, 568-576.	1.3	15
20	Topical amiodarone: To be or not to be effective?. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 893-894.	0.8	0
21	Effects of diabetes and cardiopulmonary bypass on expression of adherens junction proteins in human peripheral tissue. Surgery, 2017, 161, 823-829.	1.9	8
22	Cyclooxygenase 2 contributes to bradykinin-induced microvascular responses inÂperipheral arterioles after cardiopulmonary bypass. Journal of Surgical Research, 2017, 218, 246-252.	1.6	6
23	Diabetes and Cardioplegia. Journal of Nature and Science, 2017, 3, .	1.1	0
24	Timely screening for Carney complex and PRKAR1A gene mutations. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1440-1441.	0.8	0
25	Microvascular dysfunction in patients with diabetes after cardioplegic arrest and cardiopulmonary bypass. Current Opinion in Cardiology, 2016, 31, 618-624.	1.8	14
26	How best to obtain consent to thrombolysis. Neurology, 2016, 86, 1045-1052.	1.1	11
27	Calpain inhibition improves collateral-dependent perfusion in a hypercholesterolemic swine model of chronic myocardial ischemia. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 245-252.	0.8	21
28	Differential impairment of adherens-junction expression/phosphorylation after cardioplegia in diabetic versus non-diabetic patients. European Journal of Cardio-thoracic Surgery, 2016, 49, 937-943.	1.4	10
29	Calpain inhibition decreases myocardial apoptosis in a swine model of chronic myocardial ischemia. Surgery, 2015, 158, 445-452.	1.9	25
30	Invited Commentary. Annals of Thoracic Surgery, 2015, 99, 603-604.	1.3	0
31	Invited Commentary. Annals of Thoracic Surgery, 2015, 100, 589-590.	1.3	0
32	Mediterranean-style diet to prevent postoperative atrial fibrillation: Role of antioxidants?. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1182-1184.	0.8	1
33	Inactivation of Endothelial Small/Intermediate Conductance of Calciumâ€Activated Potassium Channels Contributes to Coronary Arteriolar Dysfunction in Diabetic Patients. Journal of the American Heart Association, 2015, 4, e002062.	3.7	44
34	New continuous-flow total artificial heart and vascular permeability. Journal of Surgical Research, 2015, 199, 296-305.	1.6	4
35	Invited Commentary. Annals of Thoracic Surgery, 2014, 97, 1650-1651.	1.3	1
36	Rapamycin Treatment of Healthy Pigs Subjected to Acute Myocardial Ischemia-Reperfusion Injury Attenuates Cardiac Functions and Increases Myocardial Necrosis. Annals of Thoracic Surgery, 2014, 97, 901-907.	1.3	19

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37	Abstract 161: Differential Effects of Short- and Long-Term Increase in Endothelial ROS on Coronary Vascular Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	2.4	0
38	Altered expression and activation of mitogen-activated protein kinases in diabetic heart during cardioplegic arrest and cardiopulmonary bypass. Surgery, 2013, 154, 436-443.	1.9	9
39	Altered Apoptosis-Related Signaling After Cardioplegic Arrest in Patients With Uncontrolled Type 2 Diabetes Mellitus. Circulation, 2013, 128, S144-51.	1.6	20
40	Ethanol Promotes Arteriogenesis and Restores Perfusion to Chronically Ischemic Myocardium. Circulation, 2013, 128, S136-43.	1.6	13
41	Oxidative stress improves coronary endothelial function through activation of the pro-survival kinase AMPK. Aging, 2013, 5, 515-530.	3.1	73
42	Influence of framing on medical decision making. EXCLI Journal, 2013, 12, 20-9.	0.7	8
43	Effects of cyclooxygenase inhibition on cardiovascular function in a hypercholesterolemic swine model of chronic ischemia. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H479-H488.	3.2	9
44	Changes in Microvascular Reactivity After Cardiopulmonary Bypass in Patients With Poorly Controlled Versus Controlled Diabetes. Circulation, 2012, 126, S73-80.	1.6	40
45	Resveratrol Preserves Myocardial Function and Perfusion in Remote Nonischemic Myocardium in a Swine Model of Metabolic Syndrome. Journal of the American College of Surgeons, 2012, 215, 681-689.	0.5	22
46	Cardioprotective effects of red wine and vodka in a model of endothelial dysfunction. Journal of Surgical Research, 2012, 178, 586-592.	1.6	19
47	Atorvastatin increases oxidative stress and modulates angiogenesis in Ossabaw swine with the metabolic syndrome. Journal of Thoracic and Cardiovascular Surgery, 2012, 144, 1486-1493.	0.8	28
48	Decreased coronary microvascular reactivity after cardioplegic arrest in patients with uncontrolled diabetes mellitus. Surgery, 2012, 152, 262-269.	1.9	23
49	Overfed Ossabaw swine with early stage metabolic syndrome have normal coronary collateral development in response to chronic ischemia. Basic Research in Cardiology, 2012, 107, 243.	5.9	39
50	Expertise accounts for inversion effect: new behavioral evidence. EXCLI Journal, 2012, 11, 613-623.	0.7	1
51	Rottlerin Increases Cardiac Contractile Performance and Coronary Perfusion Through BKCa++ Channel Activation After Cold Cardioplegic Arrest in Isolated Hearts. Circulation, 2011, 124, S55-S61.	1.6	20
52	Effects of Selective Cyclooxygenase-2 and Nonselective Cyclooxygenase Inhibition on Myocardial Function and Perfusion. Journal of Cardiovascular Pharmacology, 2011, 57, 122-130.	1.9	13
53	Decreased contractile response to endothelin-1 of peripheral microvasculature from diabetic patients. Surgery, 2011, 149, 247-252.	1.9	21
54	Impaired contractile response of human peripheral arterioles to thromboxane A-2 after cardiopulmonary bypass. Surgery, 2011, 150, 263-271.	1.9	7

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55	Resveratrol supplementation abrogatesÂpro-arteriogenic effects of intramyocardial vascular endothelial growth factor in a hypercholesterolemic swine model of chronic ischemia. Surgery, 2011, 150, 390-399.	1.9	11
56	High-fat dietÂalters prostanoid balance and perfusion in ischemic myocardium of naproxen-treated swine. Surgery, 2011, 150, 490-496.	1.9	3
57	Resveratrol modifies risk factors for coronary artery disease in swine with metabolic syndrome and myocardial ischemia. European Journal of Pharmacology, 2011, 664, 45-53.	3.5	47
58	Thromboxane-Induced Contractile Response of Human Coronary Arterioles Is Diminished After Cardioplegic Arrest. Annals of Thoracic Surgery, 2011, 92, 829-836.	1.3	24
59	Altered coronary microvascular serotonin receptor expression after coronary artery bypass grafting with cardiopulmonary bypass. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 1033-1040.	0.8	19
60	Is hyperglycemia bad for the heart during acute ischemia?. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 1345-1352.	0.8	25
61	Effects of selective cyclooxygenase-2 and nonselective cyclooxygenase inhibition on ischemic myocardium. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 1143-1152.	0.8	11
62	Endothelin-1-induced contractile responses of human coronary arterioles via endothelin-A receptors and PKC-Î± signaling pathways. Surgery, 2010, 147, 798-804.	1.9	30
63	Invited Commentary. Annals of Thoracic Surgery, 2010, 90, 30.	1.3	1
64	Temporal and Spatial Changes in Collateral Formation and Function During Chronic Myocardial Ischemia. Journal of the American College of Surgeons, 2010, 211, 470-480.	0.5	9
65	Effect of Dimerized Thrombin Fragment TP508 on Acute Myocardial Ischemia Reperfusion Injury in Hypercholesterolemic Swine. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 449-459.	2.5	3
66	Effects of Cardiopulmonary Bypass on Endothelin-1â€“Induced Contraction and Signaling in Human Skeletal Muscle Microcirculation. Circulation, 2010, 122, S150-5.	1.6	22
67	Resveratrol Improves Myocardial Perfusion in a Swine Model of Hypercholesterolemia and Chronic Myocardial Ischemia. Circulation, 2010, 122, S142-9.	1.6	105
68	Effect of hydrogen sulfide on myocardial protection in the setting of cardioplegia and cardiopulmonary bypassâ˜†. Interactive Cardiovascular and Thoracic Surgery, 2010, 10, 506-512.	1.1	46
69	Endothelium-Dependent Coronary Vasodilatation Requires NADPH Oxidase-Derived Reactive Oxygen Species. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1703-1710.	2.4	58
70	Effect of Thrombin Fragment (TP508) on Myocardial Ischemia Reperfusion Injury in a Model of Type 1 Diabetes Mellitus. Circulation, 2010, 122, S162-9.	1.6	13
71	Effects of neuropeptide Y on collateral development in a swine model of chronic myocardial ischemia. Journal of Molecular and Cellular Cardiology, 2010, 49, 1022-1030.	1.9	41
72	Effect of Hypercholesterolemia on Myocardial Necrosis and Apoptosis in the Setting of Ischemia-Reperfusion. Circulation, 2009, 120, S22-30.	1.6	79

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73	Effect of thrombin fragment (TP508) on myocardial ischemia-reperfusion injury in hypercholesterolemic pigs. Journal of Applied Physiology, 2009, 106, 1993-2001.	2.5	15
74	Hydrogen sulfide therapy attenuates the inflammatory response in a porcine model of myocardial ischemia/reperfusion injury. Journal of Thoracic and Cardiovascular Surgery, 2009, 138, 977-984.	0.8	135
75	Impaired Coronary Microvascular Dilation Correlates with Enhanced Vascular Smooth Muscle MLC Phosphorylation in Diabetes1. Microcirculation, 2009, 16, 193-206.	1.8	21
76	Large Conductance Calcium-Activated Potassium Channels Contribute to the Reduced Myogenic Tone of Peripheral Microvasculature After Cardiopulmonary Bypass. Journal of Surgical Research, 2009, 157, 123-128.	1.6	10
77	Thrombin Fragment (TP508) Decreases Myocardial Infarction and Apoptosis After Ischemia Reperfusion Injury. Annals of Thoracic Surgery, 2009, 87, 786-793.	1.3	13
78	Effect of Hydrogen Sulfide in a Porcine Model of Myocardial Ischemia-Reperfusion: Comparison of Different Administration Regimens and Characterization of the Cellular Mechanisms of Protection. Journal of Cardiovascular Pharmacology, 2009, 54, 287-297.	1.9	101
79	Atorvastatin Increases Myocardial Indices of Oxidative Stress in a Porcine Model of Hypercholesterolemia and Chronic Ischemia. Journal of Cardiac Surgery, 2008, 23, 312-320.	0.7	24
80	Atorvastatin impairs the myocardial angiogenic response to chronic ischemia in normocholesterolemic swine. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 117-122.	0.8	15
81	Nonischemic myocardial acidosis adversely affects microvascular and myocardial function and triggers apoptosis during cardioplegia. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 139-146.	0.8	15
82	Calcium-activated potassium channels contribute to human skeletal muscle microvascular endothelial dysfunction related to cardiopulmonary bypass. Surgery, 2008, 144, 239-244.	1.9	39
83	Coronary microvascular dysfunction in the setting of chronic ischemia is independent of arginase activity. Microvascular Research, 2008, 75, 238-246.	2.5	17
84	Invited commentary. Annals of Thoracic Surgery, 2008, 85, 87-88.	1.3	0
85	Calcium-Activated Potassium Channels Contribute to Human Coronary Microvascular Dysfunction After Cardioplegic Arrest. Circulation, 2008, 118, S46-51.	1.6	70
86	Comparison of vascular endothelial growth factor and fibroblast growth factor-2 in a swine model of endothelial dysfunctionâ˜†â˜†â˜†. European Journal of Cardio-thoracic Surgery, 2008, 33, 645-650.	1.4	23
87	The effects of therapeutic sulfide on myocardial apoptosis in response to ischemiaâ€“reperfusion injuryâ˜†â˜†â˜†. European Journal of Cardio-thoracic Surgery, 2008, 33, 906-913.	1.4	155
88	Vascular bed-specific endothelium-dependent vasomomotor relaxation in the hagfish, Myxine glutinosa. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R894-R900.	1.8	18
89	Functional, Cellular, and Molecular Characterization of the Angiogenic Response to Chronic Myocardial Ischemia in Diabetes. Circulation, 2007, 116, I-31-I-37.	1.6	80
90	Invited commentary. Annals of Thoracic Surgery, 2007, 83, 1119-1120.	1.3	0

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91	Insulin treatment enhances the myocardial angiogenic response in diabetes. Journal of Thoracic and Cardiovascular Surgery, 2007, 134, 1453-1460.	0.8	26
92	Protein kinase C alpha modulates microvascular reactivity in the human coronary and skeletal microcirculation. Surgery, 2007, 142, 243-252.	1.9	28
93	Differential effects on the mesenteric microcirculatory response to vasopressin and phenylephrine after cardiopulmonary bypass. Journal of Thoracic and Cardiovascular Surgery, 2007, 133, 682-688.	0.8	19
94	Phosphorylation and translocation of heat shock protein 27 and Î±B-crystallin in human myocardium after cardioplegia and cardiopulmonary bypass. Journal of Thoracic and Cardiovascular Surgery, 2007, 134, 1461-1470.e3.	0.8	32
95	Hypercholesterolemia Impairs the Myocardial Angiogenic Response in a Swine Model of Chronic Ischemia: Role of Endostatin and Oxidative Stress. Annals of Thoracic Surgery, 2006, 81, 634-641.	1.3	67
96	Invited commentary. Annals of Thoracic Surgery, 2006, 81, 2225-2226.	1.3	0
97	Bradykinin induces microvascular preconditioning through the opening of calcium-activated potassium channels. Surgery, 2006, 140, 192-197.	1.9	14
98	High-dose atorvastatin is associated with impaired myocardial angiogenesis in response to vascular endothelial growth factor in hypercholesterolemic swine. Journal of Thoracic and Cardiovascular Surgery, 2006, 132, 1299-1306.	0.8	22
99	High-Dose Atorvastatin Improves Hypercholesterolemic Coronary Endothelial Dysfunction Without Improving the Angiogenic Response. Circulation, 2006, 114, I-402-I-408.	1.6	34
100	Effects of purified poloxamer 407 gel on vascular occlusion and the coronary endotheliumâ˜†. European Journal of Cardio-thoracic Surgery, 2006, 29, 736-741.	1.4	31
101	Indices of Apoptosis Activation After Blood Cardioplegia and Cardiopulmonary Bypass. Circulation, 2006, 114, I-257-I-263.	1.6	38
102	Effects of L-arginine on the endogenous angiogenic response in a model of hypercholesterolemia. Surgery, 2005, 138, 291-298.	1.9	19
103	Normalization of coronary microvascular reactivity and improvement in myocardial perfusion by surgical vascular endothelial growth factor therapy combined with oral supplementation of l-arginine in a porcine model of endothelial dysfunction. Journal of Thoracic and Cardiovascular Surgery, 2005, 129, 1414-1420.	0.8	26
104	Effects of l -Arginine on Fibroblast Growth Factor 2â€“Induced Angiogenesis in a Model of Endothelial Dysfunction. Circulation, 2005, 112, I202-7.	1.6	24
105	Bradykinin Preconditioning Preserves Coronary Microvascular Reactivity During Cardioplegiaâ€“Reperfusion. Annals of Thoracic Surgery, 2005, 79, 911-916.	1.3	10
106	Safety and Efficacy of a Novel Gel for Vascular Occlusion in Off-Pump Surgery. Annals of Thoracic Surgery, 2005, 80, 2333-2337.	1.3	30
107	Invited commentary. Annals of Thoracic Surgery, 2005, 80, 2234.	1.3	0
108	Bradykinin Preconditioning Improves the Profile of Cell Survival Proteins and Limits Apoptosis After Cardioplegic Arrest. Circulation, 2005, 112, I190-5.	1.6	22

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109	Aprotinin Preserves Cellular Junctions and Reduces Myocardial Edema After Regional Ischemia and Cardioplegic Arrest. Circulation, 2005, 112, I196-201.	1.6	26
110	Molecular Indices of Apoptosis After Intermittent Blood and Crystalloid Cardioplegia. Circulation, 2005, 112, I184-9.	1.6	25
111	Inhibition of the cardiac angiogenic response to exogenous vascular endothelial growth factor. Surgery, 2004, 136, 407-415.	1.9	42
112	Reduction of myocardial reperfusion injury by aprotinin after regional ischemia and cardioplegic arrest. Journal of Thoracic and Cardiovascular Surgery, 2004, 128, 602-608.	0.8	39
113	Improved profile of bad phosphorylation and caspase 3 activation after blood versus crystalloid cardioplegia. Annals of Thoracic Surgery, 2004, 77, 1384-1389.	1.3	20
114	KATP channel opener protects neonatal rabbit heart better than St. Thomasâ€™ solution. Journal of Surgical Research, 2003, 109, 69-73.	1.6	8
115	Diazoxide protects the rabbit heart following cardioplegic ischemia. Molecular and Cellular Biochemistry, 2002, 233, 133-138.	3.1	6
116	Preload Induces Troponin I Degradation Independently of Myocardial Ischemia. Circulation, 2001, 103, 2035-2037.	1.6	242
117	Pinacidil Pretreatment Extends Ischemia Tolerance of Neonatal Rabbit Hearts. Journal of Surgical Research, 2000, 90, 131-137.	1.6	12
118	Bradykinin protects the rabbit heart after cardioplegic ischemia via NO-dependent pathways. Annals of Thoracic Surgery, 2000, 70, 2119-2124.	1.3	26
119	The Effects of Tetramethylpyrazine on the Incidence of Arrhythmias and the Release of PGI2and TXA2in the Ischemic Rat Heart. Planta Medica, 1999, 65, 268-270.	1.3	14
120	Absence of Troponin I Degradation or Altered Sarcoplasmic Reticulum Uptake Protein Expression After Reversible Ischemia in Swine. Circulation Research, 1999, 85, 446-456.	4.5	73
121	Bradykinin pretreatment improves ischemia tolerance of the rabbit heart by tyrosine kinase mediated pathways. Annals of Thoracic Surgery, 1999, 68, 1567-1572.	1.3	18
122	Effects of tetramethylpyrazine on the release of PGI2 and TXA2 in the hypoxic isolated rat heart. Molecular and Cellular Biochemistry, 1997, 167, 153-158.	3.1	14
123	Prostaglandin E1 (PGE1) reduces cardiac-derived TXA2 release in ischaemic arrest in isolated working rat heart. International Journal of Cardiology, 1996, 55, 265-270.	1.7	8
124	Beneficial effects of iloprost cardioplegia in ischemic arrest in isolated working rat heart. Prostaglandins Leukotrienes and Essential Fatty Acids, 1996, 54, 279-283.	2.2	7
125	Pretreatment with Tetramethylpyrazine Increases the Release of PGI2and Decreases TXA2Release in Isolated Rat Heart. Planta Medica, 1996, 62, 379-381.	1.3	5
126	Myocardial Preconditioning in the Experimental Model: A New Strategy to Improve Myocardial Protection. , 0, , 230-263.		0

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127	Potassium and Cardiac Surgery. Physiology, 0, , .	10.0	1
128	SK Channels and Heart Disease. Biochemistry, 0, , .	1.2	0