Paul W Fedak

List of Publications by Year
in descending order

189 papers	12,637 citations	38720 50 h-index	24232 110 g-index
192 all docs	192 docs citations	192 times ranked	12252 citing authors

#	Article	IF	Citations
1	Commentary: Going deep by employing myocardial molecular biology for precision cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2023, 166, 154-155.	0.4	0
2	Acellular biomaterial modulates myocardial inflammation and promotes endogenous mechanisms of postinfarct cardiac repair. Journal of Thoracic and Cardiovascular Surgery, 2023, 165, e122-e140.	0.4	7
3	Global Aortic Pulse Wave Velocity is Unchanged in Bicuspid Aortopathy With Normal Valve Function but Elevated in Patients With Aortic Valve Stenosis: Insights From a <scp>4D</scp> Flow <scp>MRI</scp> Study of 597 Subjects. Journal of Magnetic Resonance Imaging, 2023, 57, 126-136.	1.9	4
4	Commentary: Fluoroquinolone antibiotics are antiaortic. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, e231-e232.	0.4	0
5	Commentary: How to save and improve the lives of families with heritable aortic diseases. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 49-50.	0.4	0
6	Association of Regional Wall Shear Stress and Progressive Ascending Aorta Dilation in Bicuspid Aortic Valve. JACC: Cardiovascular Imaging, 2022, 15, 33-42.	2.3	37
7	Commentary: Cell therapy goes subcellular. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, e386-e387.	0.4	1
8	Commentary: Use the force: Gaining mechanistic insights on aortic valve calcification using magnetic twisting cytometry. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, e331-e332.	0.4	0
9	Adventitial Fibroblasts in Aortic Aneurysm: Unraveling Pathogenic Contributions to Vascular Disease. Diagnostics, 2022, 12, 871.	1.3	11
10	Biomechanics in ascending aortic aneurysms correlate with tissue composition and strength. JTCVS Open, 2022, 9, 1-10.	0.2	11
11	Commentary: The promise of precision cardiovascular surgery. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 661-662.	0.4	0
12	Commentary: Past is Prologue â€“ Leveraging Big Data to Optimize Future Operative Risk Prediction. Seminars in Thoracic and Cardiovascular Surgery, 2021, , .	0.4	0
13	Mechanical and Structural Remodeling of Cardiac Muscle after Aerobic and Resistance Exercise Training in Rats. Medicine and Science in Sports and Exercise, 2021, 53, 1583-1594.	0.2	5
14	The CorMatrix Corâ„¢ PATCH for epicardial infarct repair. Future Cardiology, 2021, 17, 1297-1305.	0.5	9
15	Commentary: The 4AT scoreâ€"Reducing confusion about delirium diagnosis after cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2021, , .	0.4	0
16	Aorta-specific DNA methylation patterns in cell-free DNA from patients with bicuspid aortic valve-associated aortopathy. Clinical Epigenetics, 2021, 13, 147.	1.8	6
17	Prevention of Post-Operative Adhesions: A Comprehensive Review of Present and Emerging Strategies. Biomolecules, 2021, 11, 1027.	1.8	40
18	An overview of human pericardial space and pericardial fluid. Cardiovascular Pathology, 2021, 53, 107346.	0.7	10

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19	Post-Operative Adhesions: A Comprehensive Review of Mechanisms. Biomedicines, 2021, 9, 867.	1.4	42
20	Bicuspid aortic valve disease is associated with abnormal wall shear stress, viscous energy loss, and pressure drop within the ascending thoracic aorta. Medicine (United States), 2021, 100, e26518.	0.4	14
21	Summary: international consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. European Journal of Cardio-thoracic Surgery, 2021, 60, 481-496.	0.6	2
22	International consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. European Journal of Cardio-thoracic Surgery, 2021, 60, 448-476.	0.6	61
23	International Consensus Statement on Nomenclature and Classification of the Congenital Bicuspid Aortic Valve and Its Aortopathy, for Clinical, Surgical, Interventional and Research Purposes. Radiology: Cardiothoracic Imaging, 2021, 3, e200496.	0.9	15
24	Lack of Equity in the Cardiology Physician Workforce: AÂNarrative Review and Analysis of the Literature. CJC Open, 2021, 3, S180-S186.	0.7	6
25	Commentary: Cell therapy for spinal regenerationâ€"implications for recovery after complex aortic surgery. JTCVS Open, 2021, 7, 45-46.	0.2	0
26	International Consensus Statement on Nomenclature and Classification of the Congenital Bicuspid Aortic Valve and Its Aortopathy, for Clinical, Surgical, Interventional and Research Purposes. Annals of Thoracic Surgery, 2021, 112, e203-e235.	0.7	25
27	International consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, e383-e414.	0.4	47
28	An Intact Pericardium Ischemic Rodent Model. Journal of Visualized Experiments, 2021, , .	0.2	0
29	Ischemic heart disease: Cellular and molecular immune contributions of the pericardium. International Journal of Biochemistry and Cell Biology, 2021, 140, 106076.	1.2	2
30	Dye-Mediated Photo-Oxidation Biomaterial Fixation: Analysis of Bioinductivity and Mechanical Properties of Bovine Pericardium for Use in Cardiac Surgery. International Journal of Molecular Sciences, 2021, 22, 10768.	1.8	1
31	Hemodynamic Assessment in Bicuspid Aortic Valve Disease and Aortic Dilation: New Insights From Voxel-By-Voxel Analysis of Reverse Flow, Stasis, and Energetics. Frontiers in Bioengineering and Biotechnology, 2021, 9, 725113.	2.0	11
32	Commentary: Blame the sculptors for the heart of stoneâ€"Uncovering cellular mechanisms of aortic valve calcification. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1754-1755.	0.4	0
33	Direct Effects of Empagliflozin on Extracellular Matrix Remodelling in Human Cardiac Myofibroblasts: Novel Translational Clues to Explain EMPA-REG OUTCOME Results. Canadian Journal of Cardiology, 2020, 36, 543-553.	0.8	89
34	Pressure drop mapping using 4D flow MRI in patients with bicuspid aortic valve disease: A novel marker of valvular obstruction. Magnetic Resonance Imaging, 2020, 65, 175-182.	1.0	31
35	Commentary: The mutation matters: Improving precision for surgical management of hereditary aortic syndromes. Journal of Thoracic and Cardiovascular Surgery, 2020, , .	0.4	0
36	Commentary: The return on investment for cardiothoracic surgeon-scientists. Journal of Thoracic and Cardiovascular Surgery, 2020, 162, 1767-1768.	0.4	0

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37	Commentary: Transplanting the powerhouse of the cell to enhance cardiopulmonary repair. Journal of Thoracic and Cardiovascular Surgery, 2020, , .	0.4	0
38	Applications of a Specialty Bicuspid Aortic Valve Program: Clinical Continuity and Translational Collaboration. Journal of Clinical Medicine, 2020, 9, 1354.	1.0	4
39	Fluoroquinolone-Associated Type A Aortic Dissection in Alpha-1 Anti-Trypsin Deficiency. Annals of Thoracic Surgery, 2020, 110, e489-e491.	0.7	2
40	Acellular bioscaffolds redirect cardiac fibroblasts and promote functional tissue repair in rodents and humans with myocardial injury. Scientific Reports, 2020, 10, 9459.	1.6	23
41	Impact of age, sex, and global function on normal aortic hemodynamics. Magnetic Resonance in Medicine, 2020, 84, 2088-2102.	1.9	15
42	The science of BAV aortopathy. Progress in Cardiovascular Diseases, 2020, 63, 465-474.	1.6	22
43	Surgical management of the aorta in BAV patients. Progress in Cardiovascular Diseases, 2020, 63, 475-481.	1.6	7
44	Promoting Cardiac Regeneration and Repair Using Acellular Biomaterials. Frontiers in Bioengineering and Biotechnology, 2020, 8, 291.	2.0	14
45	On the â€˜cuspâ€™ of clinical feasibility: aortic wall shear stress derived non-invasively with 4D flow MRI. Journal of Thoracic Disease, 2019, 11, E96-E97.	0.6	2
46	Gata6+ Pericardial Cavity Macrophages Relocate to the Injured Heart and Prevent Cardiac Fibrosis. Immunity, 2019, 51, 131-140.e5.	6.6	110
47	Commentary: Cause or consequence? The influence of mitral regurgitation on post-myocardial infarction structural remodeling is better defined using a new rodent model. Journal of Thoracic and Cardiovascular Surgery, 2019, , .	0.4	0
48	Application of Bioengineered Materials in the Surgical Management of Heart Failure. Frontiers in Cardiovascular Medicine, 2019, 6, 123.	1.1	6
49	Interval changes in aortic peak velocity and wall shear stress in patients with bicuspid aortic valve disease. International Journal of Cardiovascular Imaging, 2019, 35, 1925-1934.	0.7	19
50	Acellular Extracellular Matrix Bioscaffolds for Cardiac Repair and Regeneration. Frontiers in Cell and Developmental Biology, 2019, 7, 63.	1.8	38
51	Impact of Aortopathy and Aortic Valve Disease on 3D Blood Flow and Wall Shear Stress in the Thoracic Aorta: As Assessed by 4D Flow MRI. , 2019, , 447-464.		0
52	Commentary: Using exÂvivo modeling to validate technical innovations in cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 404-405.	0.4	1
53	Evolving Surgical Approaches to Bicuspid Aortic Valve Associated Aortopathy. Frontiers in Cardiovascular Medicine, 2019, 6, 19.	1.1	4
54	Minimally invasive cardiac surgery presents challenges for design of randomized clinical trials. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, e133-e134.	0.4	0

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55	Minimally invasive cardiac surgery and the importance of qualitative patient-centered metrics to guide innovations. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, e356-e357.	0.4	2
56	Utilizing wall shear stress as a clinical biomarker for bicuspid valve-associated aortopathy. Current Opinion in Cardiology, 2019, 34, 124-131.	0.8	15
57	Commentary: Structural valve degeneration in the era of precision medicine. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1391-1392.	0.4	0
58	Induction of human aortic myofibroblast-mediated extracellular matrix dysregulation: A potential mechanism of fluoroquinolone-associated aortopathy. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 109-119.e2.	0.4	42
59	Aortic diameter: The beginning of the end of an era. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 513-514.	0.4	3
60	Assessing wall stresses in bicuspid aortic valve-associated aortopathy: Forecasting the perfect storm?. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 471-472.	0.4	8
61	Bridging to heart transplant with extracorporeal membrane oxygenation: Good or VAD?. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1619-1620.	0.4	2
62	Seeing a tree through the forest: Precision medicine tools can enhance donor allocation in heart transplantation. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1591-1592.	0.4	0
63	Perioperative evaluation of regional aortic wall shear stress patterns in patients undergoing aortic valve and/or proximal thoracic aortic replacement. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 2277-2286.e2.	0.4	33
64	Aortic Valve Replacement in an EraÂofÂRapid Innovation. Journal of the American College of Cardiology, 2018, 71, 1413-1416.	1.2	6
65	Heparin Augmentation Enhances Bioactive Properties of Acellular Extracellular Matrix Scaffold. Tissue Engineering - Part A, 2018, 24, 128-134.	1.6	22
66	Bicuspid aortic valve-associated aortopathy. Current Opinion in Cardiology, 2018, 33, 134-139.	0.8	17
67	Precision and targeted therapy in cardiac surgery. Journal of Thoracic Disease, 2018, 10, S3986-S3988.	0.6	0
68	Coronary Bypass Surgery for Diabetes and Multivessel Disease. Journal of the American College of Cardiology, 2018, 72, 2838-2840.	1.2	3
69	Cell-Specific Functions of ADAM17 Regulate the Progression of Thoracic Aortic Aneurysm. Circulation Research, 2018, 123, 372-388.	2.0	51
70	Aortic valve-mediated wall shear stress is heterogeneous and predicts regional aortic elastic fiber thinning in bicuspid aortic valve-associated aortopathy. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 2112-2120.e2.	0.4	103
71	Make sternotomy great again. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 2133-2134.	0.4	3
72	Using Acellular Bioactive Extracellular Matrix Scaffolds to Enhance Endogenous Cardiac Repair. Frontiers in Cardiovascular Medicine, 2018, 5, 35.	1.1	22

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73	The American Association for Thoracic Surgery consensus guidelines on bicuspid aortic valveâ€“related aortopathy: Executive summary. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 473-480.	0.4	70
74	The American Association for Thoracic Surgery consensus guidelines on bicuspid aortic valveâ€“related aortopathy: Full online-only version. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, e41-e74.	0.4	202
75	Modify, simplify, apply: Do we need preclinical models for surgical innovation?. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1869-1870.	0.4	0
76	Human pericardial proteoglycan 4 (lubricin): Implications for postcardiotomy intrathoracic adhesion formation. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1598-1608.e1.	0.4	24
77	Hyperglycaemic impairment of PAR2-mediated vasodilation: Prevention by inhibition of aortic endothelial sodium-glucose-co-Transporter-2 and minimizing oxidative stress. Vascular Pharmacology, 2018, 109, 56-71.	1.0	84
78	Targeting selected extracellular matrix components to attenuate cardiac fibrosis. Annals of Translational Medicine, 2018, 6, S49-S49.	0.7	1
79	Validating innovations to improve recovery after heart surgery. Annals of Translational Medicine, 2018, 6, S13-S13.	0.7	0
80	Bicuspid aortic valve aortopathy. Current Opinion in Cardiology, 2017, 32, 111-116.	0.8	16
81	The Cost of Frailty in Cardiac Surgery. Canadian Journal of Cardiology, 2017, 33, 959-960.	0.8	7
82	Bicuspid aortic valve and the specialty clinic: are your patients at risk?. Cardiology in the Young, 2017, 27, 411-412.	0.4	3
83	Bioactive Extracellular Matrix Scaffold Promotes Adaptive Cardiac Remodeling and Repair. JACC Basic To Translational Science, 2017, 2, 450-464.	1.9	43
84	Aortic Valve Stenosis Alters Expression of Regional Aortic Wall Shear Stress: New Insights From a 4â€Dimensional Flow Magnetic Resonance Imaging Study of 571 Subjects. Journal of the American Heart Association, 2017, 6, .	1.6	126
85	Mind the Gap: Current Challenges and Future State of Heart Failure Care. Canadian Journal of Cardiology, 2017, 33, 1434-1449.	0.8	19
86	Evolution of Precision Medicine and Surgical Strategies for Bicuspid Aortic Valve-Associated Aortopathy. Frontiers in Physiology, 2017, 8, 475.	1.3	9
87	Adhesive-Enhanced Sternal Closure: Feasibility and Safety of Late Sternal Reentry. Case Reports in Surgery, 2017, 2017, 1-3.	0.2	4
88	Reply. Journal of the American College of Cardiology, 2016, 67, 735-736.	1.2	0
89	Year in review. Current Opinion in Cardiology, 2016, 31, 132-138.	0.8	18
90	Is Concomitant Aortopathy Unique With Bicuspid AorticÂValve Stenosis?. Journal of the American College of Cardiology, 2016, 67, 1797-1799.	1.2	3

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91	Monocytes increase human cardiac myofibroblast-mediated extracellular matrix remodeling through TGF-Î²₁. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H716-H724.	1.5	53
92	Statin Use and Aneurysm Risk in Patients With Bicuspid Aortic Valve Disease. Clinical Cardiology, 2016, 39, 41-47.	0.7	22
93	Safety and efficacy of prophylactic negative pressure wound therapy following open saphenous vein harvest in cardiac surgery: a feasibility study. Interactive Cardiovascular and Thoracic Surgery, 2016, 24, ivw400.	0.5	18
94	Reply. Journal of the American College of Cardiology, 2016, 67, 1756-1757.	1.2	0
95	Epicardial infarct repair with bioinductive extracellular matrix promotes vasculogenesis and myocardial recovery. Journal of Heart and Lung Transplantation, 2016, 35, 661-670.	0.3	52
96	Real estate of the bicuspid aorta: Location, location, location!. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 1728-1729.	0.4	3
97	Differential impact of mechanical unloading on structural and nonstructural components of the extracellular matrix in advanced human heart failure. Translational Research, 2016, 172, 30-44.	2.2	39
98	Fibroblast growth factor-2 regulates human cardiac myofibroblast-mediated extracellular matrix remodeling. Journal of Translational Medicine, 2015, 13, 147.	1.8	56
99	Role of Mutation and Pharmacologic Block of Human KCNH2 in Vasculogenesis and Fetal Mortality. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 420-428.	2.1	14
100	Comparison of Outcomes and Presentation in Men-Versus-Women With Bicuspid Aortic Valves Undergoing Aortic Valve Replacement. American Journal of Cardiology, 2015, 116, 250-255.	0.7	35
101	Valve-Related Hemodynamics Mediate Human Bicuspid Aortopathy. Journal of the American College of Cardiology, 2015, 66, 892-900.	1.2	360
102	Tetrandrine reverses human cardiac myofibroblast activation and myocardial fibrosis. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1564-H1574.	1.5	28
103	Characterization of Abnormal Wall Shear Stress Using 4D Flow MRI in Human Bicuspid Aortopathy. Annals of Biomedical Engineering, 2015, 43, 1385-1397.	1.3	82
104	Extracellular Matrix and Cardiac Disease: Surgical and Scientific Perspectives. , 2015, , 323-346.		0
105	Mitochondrial NLRP3 Protein Induces Reactive Oxygen Species to Promote Smad Protein Signaling and Fibrosis Independent from the Inflammasome. Journal of Biological Chemistry, 2014, 289, 19571-19584.	1.6	120
106	Response to Letter Regarding Article, â€œBicuspid Aortic Cusp Fusion Morphology Alters Aortic Three-Dimensional Outflow Patterns, Wall Shear Stress, and Expression of Aortopathyâ€• Circulation, 2014, 130, e171.	1.6	6
107	Na+ current expression in human atrial myofibroblasts: identity and functional roles. Frontiers in Physiology, 2014, 5, 275.	1.3	28
108	Bicuspid Aortic Cusp Fusion Morphology Alters Aortic Three-Dimensional Outflow Patterns, Wall Shear Stress, and Expression of Aortopathy. Circulation, 2014, 129, 673-682.	1.6	350

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109	Bicuspid aortopathy and the development of individualized resection strategies. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2080-2081.	0.4	12
110	Human cardiac fibroblast extracellular matrix remodeling: dual effects of tissue inhibitor of metalloproteinase-2. Cardiovascular Pathology, 2014, 23, 335-343.	0.7	31
111	Canadian Cardiovascular Society/Canadian Association ofÂInterventional Cardiology/Canadian Society of CardiacÂSurgery Position Statement on Revascularizationâ€"Multivessel Coronary Artery Disease. Canadian Journal of Cardiology, 2014, 30, 1482-1491.	0.8	48
112	Effect of aortic aneurysm replacement on outcomes after bicuspid aortic valve surgery: Validation of contemporary guidelines. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2060-2069.	0.4	27
113	Epicardial infarct repair with basic fibroblast growth factorâ€"enhanced CorMatrix-ECM biomaterial attenuates postischemic cardiac remodeling. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1650-1659.	0.4	66
114	Knowledge, attitudes, and practice patterns in surgical management of bicuspid aortopathy: A survey of 100 cardiac surgeons. Journal of Thoracic and Cardiovascular Surgery, 2013, 146, 1033-1040.e4.	0.4	80
115	Comparison of coronary artery bypass surgery and percutaneous coronary intervention in patients with diabetes: a meta-analysis of randomised controlled trials. Lancet Diabetes and Endocrinology,the, 2013, 1, 317-328.	5.5	195
116	The molecular fingerprint of bicuspid aortopathy. Journal of Thoracic and Cardiovascular Surgery, 2013, 145, 1334.	0.4	16
117	Health technology assessments and innovation. Nature Biotechnology, 2013, 31, 970-971.	9.4	0
118	Cell Therapy Limits Myofibroblast Differentiation and Structural Cardiac Remodeling. Circulation: Heart Failure, 2012, 5, 349-356.	1.6	28
119	Canadian Cardiac Surgeons' Perspectives on Biomedical Innovation. Canadian Journal of Cardiology, 2012, 28, 607-610.	0.8	0
120	Enhancing Sternal Closure Using Kryptonite Bone Adhesive. Surgical Innovation, 2011, 18, NP8-NP11.	0.4	23
121	Catalyzing capital for Canada's life sciences industry. Journal of Commercial Biotechnology, 2011, 17, 330-348.	0.2	4
122	Adhesive-Enhanced Sternal Closure to Improve Postoperative Functional Recovery: A Pilot, Randomized Controlled Trial. Annals of Thoracic Surgery, 2011, 92, 1444-1450.	0.7	41
123	Kryptonite Bone Cement Prevents Pathologic Sternal Displacement. Annals of Thoracic Surgery, 2010, 90, 979-985.	0.7	54
124	Cardiac progenitor cell sheet regenerates myocardium and renews hope for translation. Cardiovascular Research, 2010, 87, 8-9.	1.8	7
125	Hepatocyte Growth Factor or Vascular Endothelial Growth Factor Gene Transfer Maximizes Mesenchymal Stem Cellâ€"Based Myocardial Salvage After Acute Myocardial Infarction. Circulation, 2009, 120, S247-54.	1.6	202
126	Cell-based gene therapy modifies matrix remodeling after a myocardial infarction in tissue inhibitor of matrix metalloproteinase-3â€"deficient mice. Journal of Thoracic and Cardiovascular Surgery, 2009, 137, 471-480.e2.	0.4	23

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127	Paracrine Effects of Cell Transplantation: Modifying Ventricular Remodeling in the Failing Heart. Seminars in Thoracic and Cardiovascular Surgery, 2008, 20, 87-93.	0.4	45
128	Cardiac Regeneration with Embryonic Stem Cells: Historic Recapitulation of Heart Transplantation. Stem Cells and Development, 2008, 17, 1021-1022.	1.1	2
129	Evolving Concepts and Technologies in Mitral Valve Repair. Circulation, 2008, 117, 963-974.	1.6	149
130	Bicuspid aortic valve syndrome: heterogeneous but predictable?. European Heart Journal, 2008, 29, 432-433.	1.0	25
131	TIMP-3 deficiency accelerates cardiac remodeling after myocardial infarction. Journal of Molecular and Cellular Cardiology, 2007, 43, 733-743.	0.9	55
132	Use of Diffusion Tensor Imaging to Predict Myocardial Viability After Warm Global Ischemia: Possible Avenue for Use of Non-beating Donor Hearts. Journal of Heart and Lung Transplantation, 2007, 26, 376-383.	0.3	23
133	Determinants of Health-related Quality of Life in Adults with Congenital Heart Disease. Congenital Heart Disease, 2007, 2, 301-313.	0.0	28
134	Integrin-Linked Kinase Expression Is Elevated in Human Cardiac Hypertrophy and Induces Hypertrophy in Transgenic Mice. Circulation, 2006, 114, 2271-2279.	1.6	116
135	Stem Cell Factor Deficiency Is Vasculoprotective. Circulation Research, 2006, 99, 617-625.	2.0	73
136	C-Reactive Protein Upregulates Receptor for Advanced Glycation End Products Expression in Human Endothelial Cells. Hypertension, 2006, 48, 504-511.	1.3	68
137	Altered Expression of Disintegrin Metalloproteinases and Their Inhibitor in Human Dilated Cardiomyopathy. Circulation, 2006, 113, 238-245.	1.6	99
138	C-Reactive Protein Alters Antioxidant Defenses and Promotes Apoptosis in Endothelial Progenitor Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2476-2482.	1.1	123
139	Cardioprotective c-kit+ cells are from the bone marrow and regulate the myocardial balance of angiogenic cytokines. Journal of Clinical Investigation, 2006, 116, 1865-1877.	3.9	468
140	Combined endothelial and myocardial protection by endothelin antagonism enhances transplant allograft preservation. Journal of Thoracic and Cardiovascular Surgery, 2005, 129, 407-415.	0.4	28
141	Cell transplantation preserves matrix homeostasis: A novel paracrine mechanism. Journal of Thoracic and Cardiovascular Surgery, 2005, 130, 1430-1439.	0.4	49
142	Cell transplantation preserves cardiac function after infarction by infarct stabilization: Augmentation by stem cell factor. Journal of Thoracic and Cardiovascular Surgery, 2005, 130, 1310.e1-1310.e10.	0.4	84
143	Cell Transplantation. , 2005, , 325-343.		0
144	Tetrahydrobiopterin deficiency exaggerates intimal hyperplasia after vascular injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R299-R304.	0.9	16

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145	Can statin therapy alter the natural history of bicuspid aortic valves?. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2547-H2549.	1.5	17
146	Bicuspid aortic valve disease: recent insights in pathophysiology and treatment. Expert Review of Cardiovascular Therapy, 2005, 3, 295-308.	0.6	60
147	Cardiac remodeling and failure. Cardiovascular Pathology, 2005, 14, 1-11.	0.7	135
148	Cardiac remodeling and failure. Cardiovascular Pathology, 2005, 14, 49-60.	0.7	112
149	Cardiac remodeling and failure. Cardiovascular Pathology, 2005, 14, 109-119.	0.7	38
150	Tissue-Engineered Grafts Matured in the Right Ventricular Outflow Tract. Cell Transplantation, 2004, 13, 169-177.	1.2	33
151	Rosiglitazone Facilitates Angiogenic Progenitor Cell Differentiation Toward Endothelial Lineage. Circulation, 2004, 109, 1392-1400.	1.6	148
152	Off-Pump Coronary Artery Bypass Surgery. Circulation, 2004, 109, 1206-1211.	1.6	34
153	TIMP-3 Deficiency Leads to Dilated Cardiomyopathy. Circulation, 2004, 110, 2401-2409.	1.6	154
154	C-Reactive Protein Upregulates Complement-Inhibitory Factors in Endothelial Cells. Circulation, 2004, 109, 833-836.	1.6	78
155	C-Reactive Protein Attenuates Endothelial Progenitor Cell Survival, Differentiation, and Function. Circulation, 2004, 109, 2058-2067.	1.6	501
156	Enhanced IGF-1 expression improves smooth muscle cell engraftment after cell transplantation. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2840-H2849.	1.5	46
157	Should the ascending aorta be replaced more frequently in patients with bicuspid aortic valve disease?. Journal of Thoracic and Cardiovascular Surgery, 2004, 128, 677-683.	0.4	305
158	Novel cardioprotective effects of pravastatin in human ventricular cardiomyocytes subjected to hypoxia and reoxygenation: beneficial effects of statins independent of endothelial cells1. Journal of Surgical Research, 2004, 119, 66-71.	0.8	35
159	Cardiac restoration by cell transplantation. International Journal of Cardiology, 2004, 95, S5-S7.	0.8	7
160	Caveolin: a key target for modulating nitric oxide availability in health and disease. Molecular and Cellular Biochemistry, 2003, 247, 101-109.	1.4	9
161	C-reactive protein activates the nuclear factor-Î²B signal transduction pathway in saphenous vein endothelial cells: implications for atherosclerosis and restenosis. Journal of Thoracic and Cardiovascular Surgery, 2003, 126, 1886-1891.	0.4	83
162	Vascular matrix remodeling in patients with bicuspid aortic valve malformations: implications for aortic dilatation. Journal of Thoracic and Cardiovascular Surgery, 2003, 126, 797-805.	0.4	402

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163	Evaluation of a novel sutureless anastomotic connector: From endothelial function to mid-term clinical and angiographic follow-up. Journal of Thoracic and Cardiovascular Surgery, 2003, 126, 1555-1560.	0.4	5
164	Transplantation of cryopreserved muscle cells in dilated cardiomyopathy: Effects on left ventricular geometry and function. Journal of Thoracic and Cardiovascular Surgery, 2003, 126, 1537-1548.	0.4	31
165	Endothelial Progenitor Cells. Circulation, 2003, 107, 3093-3100.	1.6	255
166	Hyperglycemia potentiates the proatherogenic effects of C-reactive protein: reversal with rosiglitazone. Journal of Molecular and Cellular Cardiology, 2003, 35, 417-419.	0.9	50
167	Invited commentary. Annals of Thoracic Surgery, 2003, 76, 486.	0.7	0
168	Restoration and regeneration of failing myocardium with cell transplantation and tissue engineering. Seminars in Thoracic and Cardiovascular Surgery, 2003, 15, 277-286.	0.4	14
169	C-Reactive Protein Upregulates Angiotensin Type 1 Receptors in Vascular Smooth Muscle. Circulation, 2003, 107, 1783-1790.	1.6	492
170	Cell transplantation to improve ventricular function in the failing heart. European Journal of Cardio-thoracic Surgery, 2003, 23, 907-916.	0.6	26
171	Glitazones and Heart Failure. Circulation, 2003, 107, 1350-1354.	1.6	91
172	Resistin Promotes Endothelial Cell Activation. Circulation, 2003, 108, 736-740.	1.6	601
173	Does Ischemic Preconditioning Afford Clinically Relevant Cardioprotection?. American Journal of Cardiovascular Drugs, 2003, 3, 1-11.	1.0	9
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