

Doris A Taylor

List of Publications by Year in Descending Order

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

124
papers

8,793
citations

38
h-index

93
g-index

141
ext. papers

9,839
ext. citations

8.5
avg, IF

5.74
L-index

#	Paper	IF	Citations
124	A Phase II study of autologous mesenchymal stromal cells and c-kit positive cardiac cells, alone or in combination, in patients with ischaemic heart failure: the CCTRn CONCERT-HF trial. <i>European Journal of Heart Failure</i> , 2021 , 23, 661-674	12.3	26
123	Sex-Based Differences in Autologous Cell Therapy Trials in Patients With Acute Myocardial Infarction: Subanalysis of the ACCRUE Database. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 664277	5.4	
122	Characterization of perfusion decellularized whole animal body, isolated organs, and multi-organ systems for tissue engineering applications. <i>Physiological Reports</i> , 2021 , 9, e14817	2.6	0
121	Cues from human atrial extracellular matrix enrich the atrial differentiation of human induced pluripotent stem cell-derived cardiomyocytes. <i>Biomaterials Science</i> , 2021 , 9, 3737-3749	7.4	3
120	Recommendations for Nomenclature and Definition Of Cell Products Intended for Human Cardiovascular Use. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
119	Engineering Functional Vasculature in Decellularized Lungs Depends on Comprehensive Endothelial Cell Tropism. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 727869	5.8	0
118	Peripheral Blood Biomarkers Associated With Improved Functional Outcome in Patients With Chronic Left Ventricular Dysfunction: A Biorepository Evaluation of the FOCUS-CCTRn Trial. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 698088	5.4	0
117	Strategies for iPSC expansion: from feeder cells to laminin 2021 , 209-229		
116	Analysis of sex-based differences in clinical and molecular responses to ischemia reperfusion after lung transplantation.. <i>Respiratory Research</i> , 2021 , 22, 318	7.3	0
115	Tissue-engineered cardiovascular products 2020 , 1521-1536		1
114	Decellularization of whole hearts for cardiac regeneration 2020 , 291-310		1
113	Meta-analysis of short- and long-term efficacy of mononuclear cell transplantation in patients with myocardial infarction. <i>American Heart Journal</i> , 2020 , 220, 155-175	4.9	4
112	Allogeneic Mesenchymal Cell Therapy in Anthracycline-Induced Cardiomyopathy Heart Failure Patients: The CCTRn SENECA Trial. <i>JACC: CardioOncology</i> , 2020 , 2, 581-595	3.8	12
111	Tissue-engineered human embryonic stem cell-containing cardiac patches: evaluating recellularization of decellularized matrix. <i>Journal of Tissue Engineering</i> , 2020 , 11, 2041731420921482	7.5	11
110	Gelatin Promotes Cell Retention Within Decellularized Heart Extracellular Matrix Vasculature and Parenchyma. <i>Cellular and Molecular Bioengineering</i> , 2020 , 13, 633-645	3.9	2
109	An epicardial bioelectronic patch made from soft rubbery materials and capable of spatiotemporal mapping of electrophysiological activity. <i>Nature Electronics</i> , 2020 , 3, 775-784	28.4	62
108	Impaired therapeutic efficacy of bone marrow cells from post-myocardial infarction patients in the TIME and LateTIME clinical trials. <i>PLoS ONE</i> , 2020 , 15, e0237401	3.7	1

107	Change the Laminin, Change the Cardiomyocyte: Improve Untreatable Heart Failure. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
106	Pedro Brugada and Peter Schwartz share the Lefoulon-Delalande Foundation Scientific Prize 2019. <i>European Heart Journal</i> , 2019 , 40, 2670	9.5	
105	Whole-heart scaffolds how to build a heart 2019 , 617-642		1
104	Perspectives on Directions and Priorities for Future Preclinical Studies in Regenerative Medicine. <i>Circulation Research</i> , 2019 , 124, 938-951	15.7	20
103	Laminin as a Potent Substrate for Large-Scale Expansion of Human Induced Pluripotent Stem Cells in a Closed Cell Expansion System. <i>Stem Cells International</i> , 2019 , 2019, 9704945	5	16
102	The Future of Tissue Engineering in Heart Transplantation. <i>Texas Heart Institute Journal</i> , 2019 , 46, 73-74	0.8	4
101	Sex-Based Differences in Outcomes After Mitral Valve Surgery for Severe Ischemic Mitral Regurgitation: From the Cardiothoracic Surgical Trials Network. <i>JACC: Heart Failure</i> , 2019 , 7, 481-490	7.9	19
100	Decellularized matrices in regenerative medicine. <i>Acta Biomaterialia</i> , 2018 , 74, 74-89	10.8	155
99	Rationale and Design of the CONCERT-HF Trial (Combination of Mesenchymal and c-kit Cardiac Stem Cells As Regenerative Therapy for Heart Failure). <i>Circulation Research</i> , 2018 , 122, 1703-1715	15.7	72
98	Building a Total Bioartificial Heart: Harnessing Nature to Overcome the Current Hurdles. <i>Artificial Organs</i> , 2018 , 42, 970-982	2.6	23
97	Recellularization of rat liver: An in vitro model for assessing human drug metabolism and liver biology. <i>PLoS ONE</i> , 2018 , 13, e0191892	3.7	18
96	TIME Trial: Effect of Timing of Stem Cell Delivery Following ST-Elevation Myocardial Infarction on the Recovery of Global and Regional Left Ventricular Function: Final 2-Year Analysis. <i>Circulation Research</i> , 2018 , 122, 479-488	15.7	36
95	What will it take before a bioengineered heart will be implanted in patients?. <i>Current Opinion in Organ Transplantation</i> , 2018 , 23, 664-672	2.5	3
94	Decellularization of Whole Human Heart Inside a Pressurized Pouch in an Inverted Orientation. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	8
93	Whole Cardiac Tissue Bioscaffolds. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1098, 85-114	3.6	11
92	A Path Forward for Regenerative Medicine. <i>Circulation Research</i> , 2018 , 123, 495-505	15.7	4
91	Leadless multisite pacing: A feasibility study using wireless power transfer based on Langendorff rodent heart models. <i>Journal of Cardiovascular Electrophysiology</i> , 2018 , 29, 1588-1593	2.7	4
90	Optimized method for isolating highly purified and functional porcine aortic endothelial and smooth muscle cells. <i>Journal of Cellular Physiology</i> , 2017 , 232, 3139-3145	7	6

89	Maximizing Cardiac Repair: Should We Focus on the Cells or on the Matrix?. <i>Circulation Research</i> , 2017 , 120, 30-32	15.7	23
88	Bioengineering Hearts: Simple yet Complex. <i>Current Stem Cell Reports</i> , 2017 , 3, 35-44	1.8	33
87	Response to letter to Editor "Comment on Inverted orientation improves decellularization of whole porcine hearts by Lee et al.". <i>Acta Biomaterialia</i> , 2017 , 53, 645	10.8	1
86	The ubiquitin-proteasome system: A potential therapeutic target for heart failure. <i>Journal of Heart and Lung Transplantation</i> , 2017 , 36, 708-714	5.8	21
85	Evaluation of Cell Therapy on Exercise Performance and Limb Perfusion in Peripheral Artery Disease: The CCTRN PACE Trial (Patients With Intermittent Claudication Injected With ALDH Bright Cells). <i>Circulation</i> , 2017 , 135, 1417-1428	16.7	29
84	Peripheral Blood Cytokine Levels After Acute Myocardial Infarction: IL-1 β and IL-6-Related Impairment of Bone Marrow Function. <i>Circulation Research</i> , 2017 , 120, 1947-1957	15.7	27
83	Premature atherosclerosis in premenopausal women: Does cytokine balance play a role?. <i>Medical Hypotheses</i> , 2017 , 109, 38-41	3.8	2
82	Global position paper on cardiovascular regenerative medicine. <i>European Heart Journal</i> , 2017 , 38, 2532-2546	35.4	90
81	Circulating Biomarkers to Identify Responders in Cardiac Cell therapy. <i>Scientific Reports</i> , 2017 , 7, 4419	4.9	14
80	Identification of cardiovascular risk factors associated with bone marrow cell subsets in patients with STEMI: a biorepository evaluation from the CCTRN TIME and LateTIME clinical trials. <i>Basic Research in Cardiology</i> , 2017 , 112, 3	11.8	11
79	Inverted orientation improves decellularization of whole porcine hearts. <i>Acta Biomaterialia</i> , 2017 , 49, 181-191	10.8	31
78	Data from acellular human heart matrix. <i>Data in Brief</i> , 2016 , 8, 211-9	1.2	10
77	Orthotopic transplantation of a tissue engineered diaphragm in rats. <i>Biomaterials</i> , 2016 , 77, 320-35	15.6	30
76	Signature of Responders Lessons from Clinical Samples 2016 , 445-460		
75	Organogenesis 2016 , 349-373		1
74	Bone marrow cell characteristics associated with patient profile and cardiac performance outcomes in the LateTIME-Cardiovascular Cell Therapy Research Network (CCTRN) trial. <i>American Heart Journal</i> , 2016 , 179, 142-50	4.9	14
73	Identification of Bone Marrow Cell Subpopulations Associated With Improved Functional Outcomes in Patients With Chronic Left Ventricular Dysfunction: An Embedded Cohort Evaluation of the FOCUS-CCTRN Trial. <i>Cell Transplantation</i> , 2016 , 25, 1675-1687	4	23
72	Report of the National Heart, Lung, and Blood Institute Working Group on Sex Differences Research in Cardiovascular Disease: Scientific Questions and Challenges. <i>Hypertension</i> , 2016 , 67, 802-7	8.5	44

71	Myocardial commitment from human pluripotent stem cells: Rapid production of human heart grafts. <i>Biomaterials</i> , 2016 , 98, 64-78	15.6	37
70	Stem Cells and Liver Regeneration 2015 , 1429-1437		
69	Acellular human heart matrix: A critical step toward whole heart grafts. <i>Biomaterials</i> , 2015 , 61, 279-89	15.6	124
68	Automated decellularization of intact, human-sized lungs for tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 94-103	2.9	76
67	Bone marrow characteristics associated with changes in infarct size after STEMI: a biorepository evaluation from the CCTRN TIME trial. <i>Circulation Research</i> , 2015 , 116, 99-107	15.7	49
66	Mesenchymal precursor cells as adjunctive therapy in recipients of contemporary left ventricular assist devices. <i>Circulation</i> , 2014 , 129, 2287-96	16.7	113
65	Detailed analysis of bone marrow from patients with ischemic heart disease and left ventricular dysfunction: BM CD34, CD11b, and clonogenic capacity as biomarkers for clinical outcomes. <i>Circulation Research</i> , 2014 , 115, 867-74	15.7	50
64	Bone marrow mononuclear cell therapy for acute myocardial infarction: a perspective from the cardiovascular cell therapy research network. <i>Circulation Research</i> , 2014 , 114, 1564-8	15.7	35
63	Building new hearts: a review of trends in cardiac tissue engineering. <i>American Journal of Transplantation</i> , 2014 , 14, 2448-59	8.7	35
62	Experimental orthotopic transplantation of a tissue-engineered oesophagus in rats. <i>Nature Communications</i> , 2014 , 5, 3562	17.4	47
61	Optimizing recellularization of whole decellularized heart extracellular matrix. <i>PLoS ONE</i> , 2014 , 9, e90406	9.7	105
60	Till truth makes all things plain: human hearts and stem cells. <i>Circulation Research</i> , 2014 , 115, 908-10	15.7	3
59	Recruiting for Acute Myocardial Infarction Cell Therapy Trials: Challenges and Best Practices for the CCTRN 2014 , 28, 71-77		1
58	Phase II clinical research design in cardiology: learning the right lessons too well: observations and recommendations from the Cardiovascular Cell Therapy Research Network (CCTRN). <i>Circulation</i> , 2013 , 127, 1630-5	16.7	38
57	Tracheal regeneration: evidence of bone marrow mesenchymal stem cell involvement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 145, 1297-1304.e2	1.5	35
56	Transplantation of mesenchymal cells rejuvenated by the overexpression of telomerase and myocardin promotes revascularization and tissue repair in a murine model of hindlimb ischemia. <i>Circulation Research</i> , 2013 , 113, 902-14	15.7	72
55	Building solutions for cardiovascular disease in women. <i>Texas Heart Institute Journal</i> , 2013 , 40, 285-7	0.8	2
54	Effect of the use and timing of bone marrow mononuclear cell delivery on left ventricular function after acute myocardial infarction: the TIME randomized trial. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 308, 2380-9	27.4	295

53	Mechanical changes in the rat right ventricle with decellularization. <i>Journal of Biomechanics</i> , 2012 , 45, 842-9	2.9	43
52	Effects of myocardial infarction on the distribution and transport of nutrients and oxygen in porcine myocardium. <i>Journal of Biomechanical Engineering</i> , 2012 , 134, 101005	2.1	8
51	Effect of transendocardial delivery of autologous bone marrow mononuclear cells on functional capacity, left ventricular function, and perfusion in chronic heart failure: the FOCUS-CCTRN trial. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 307, 1717-26	27.4	338
50	Developing mechanistic insights into cardiovascular cell therapy: Cardiovascular Cell Therapy Research Network Biorepository Core Laboratory rationale. <i>American Heart Journal</i> , 2011 , 162, 973-80	4.9	15
49	Strategies and methods to study sex differences in cardiovascular structure and function: a guide for basic scientists. <i>Biology of Sex Differences</i> , 2011 , 2, 14	9.3	31
48	Whole-organ tissue engineering: decellularization and recellularization of three-dimensional matrix scaffolds. <i>Annual Review of Biomedical Engineering</i> , 2011 , 13, 27-53	12	755
47	Effect of intracoronary delivery of autologous bone marrow mononuclear cells 2 to 3 weeks following acute myocardial infarction on left ventricular function: the LateTIME randomized trial. <i>JAMA - Journal of the American Medical Association</i> , 2011 , 306, 2110-9	27.4	314
46	Cell therapy-a 21st century hope for treating cardiovascular disease-a five-year retrospective and predictive view. <i>The American Heart Hospital Journal</i> , 2011 , 9, E24-7		1
45	Intramyocardial injection of autologous bone marrow mononuclear cells for patients with chronic ischemic heart disease and left ventricular dysfunction (First Mononuclear Cells injected in the US [FOCUS]): Rationale and design. <i>American Heart Journal</i> , 2010 , 160, 215-23	4.9	38
44	LateTIME: a phase-II, randomized, double-blinded, placebo-controlled, pilot trial evaluating the safety and effect of administration of bone marrow mononuclear cells 2 to 3 weeks after acute myocardial infarction. <i>Texas Heart Institute Journal</i> , 2010 , 37, 412-20	0.8	45
43	From stem cells and cadaveric matrix to engineered organs. <i>Current Opinion in Biotechnology</i> , 2009 , 20, 598-605	11.4	45
42	Rationale and design for TIME: A phase II, randomized, double-blind, placebo-controlled pilot trial evaluating the safety and effect of timing of administration of bone marrow mononuclear cells after acute myocardial infarction. <i>American Heart Journal</i> , 2009 , 158, 356-63	4.9	66
41	The basics of cell therapy to treat cardiovascular disease: one cell does not fit all. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2009 , 62, 1032-44	0.7	3
40	Fundamentos de la terapia celular para el tratamiento de las enfermedades cardiovasculares: no hay una célula adecuada para todo. <i>Revista Espanola De Cardiologia</i> , 2009 , 62, 1032-1044	1.5	9
39	Cells for the treatment, prevention, and cure of cardiovascular disease. <i>Texas Heart Institute Journal</i> , 2009 , 36, 148-9	0.8	0
38	Perfusion-decellularized matrix: using nature's platform to engineer a bioartificial heart. <i>Nature Medicine</i> , 2008 , 14, 213-21	50.5	2047
37	The real estate of myoblast cardiac transplantation: negative remodeling is associated with location. <i>Journal of Heart and Lung Transplantation</i> , 2008 , 27, 116-23	5.8	20
36	Atherosclerosis as a disease of failed endogenous repair. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 3621-36	2.8	27

35	Cell-Based Repair for Cardiovascular Regeneration and Neovascularization: What, Why, How, and Where Are We Going in the Next 5-10 Years? 2008 , 812-851		
34	An in vitro system to evaluate the effects of ischemia on survival of cells used for cell therapy. <i>Annals of Biomedical Engineering</i> , 2007 , 35, 1414-24	4.7	22
33	Cell therapy for left ventricular remodeling. <i>Current Heart Failure Reports</i> , 2007 , 4, 3-10	2.8	9
32	Sex-dependent attenuation of plaque growth after treatment with bone marrow mononuclear cells. <i>Circulation Research</i> , 2007 , 101, 1319-27	15.7	38
31	Cardiac Cell Transplantation 2007 , 259-274		
30	Robotic minimally invasive cell transplantation for heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 132, 170-3	1.5	12
29	Cell therapy: a 21st-century hope for treating cardiovascular disease--what do the next 5 years hold?. <i>The American Heart Hospital Journal</i> , 2006 , 4, 219-21		
28	From cardiac repair to cardiac regeneration--ready to translate?. <i>Expert Opinion on Biological Therapy</i> , 2006 , 6, 867-78	5.4	12
27	Circulating endothelial progenitor cells predict coronary artery disease severity. <i>American Heart Journal</i> , 2006 , 152, 190-5	4.9	146
26	Systolic contraction within aneurysmal rabbit myocardium following transplantation of autologous skeletal myoblasts. <i>Journal of Surgical Research</i> , 2006 , 135, 202-8	2.5	6
25	A Porcine Model of Myocardial Infarction for Evaluation of Cell Transplantation 2006 , 231-238		
24	Myoblast Cell Transplantation: Preclinical Studies 2006 , 81-93		
23	Cell therapy for heart failure--muscle, bone marrow, blood, and cardiac-derived stem cells. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2005 , 17, 348-60	1.7	23
22	Intracardiac transplantation of a mixed population of bone marrow cells improves both regional systolic contractility and diastolic relaxation. <i>Journal of Heart and Lung Transplantation</i> , 2005 , 24, 205-14	5.8	23
21	Autologous skeletal myoblast transplantation improved hemodynamics and left ventricular function in chronic heart failure dogs. <i>Journal of Heart and Lung Transplantation</i> , 2005 , 24, 1940-9	5.8	59
20	Functional assessment of myoblast transplantation for cardiac repair with magnetic resonance imaging. <i>European Journal of Heart Failure</i> , 2005 , 7, 435-43	12.3	27
19	Engineering skeletal myoblasts: roles of three-dimensional culture and electrical stimulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H1620-6	5.2	123
18	Transplantation of skeletal myoblasts for cardiac repair. <i>Journal of Heart and Lung Transplantation</i> , 2004 , 23, 1217-27	5.8	14

17	Video-assisted thoracoscopic transplantation of myoblasts into the heart. <i>Annals of Thoracic Surgery</i> , 2004 , 78, 303-7	2.7	15
16	Cell-based myocardial repair: how should we proceed?. <i>International Journal of Cardiology</i> , 2004 , 95 Suppl 1, S8-12	3.2	33
15	Improved efficacy of stem cell labeling for magnetic resonance imaging studies by the use of cationic liposomes. <i>Cell Transplantation</i> , 2003 , 12, 743-56	4	99
14	Comparison of intracardiac cell transplantation: autologous skeletal myoblasts versus bone marrow cells. <i>Circulation</i> , 2003 , 108 Suppl 1, II264-71	16.7	46
13	Aging, progenitor cell exhaustion, and atherosclerosis. <i>Circulation</i> , 2003 , 108, 457-63	16.7	597
12	Is in vivo remodeling necessary or sufficient for cellular repair of the heart?. <i>Annals of the New York Academy of Sciences</i> , 2002 , 961, 315-8	6.5	1
11	Endoventricular transplantation of allogenic skeletal myoblasts in a porcine model of myocardial infarction. <i>Journal of Endovascular Therapy</i> , 2002 , 9, 313-9	2.5	34
10	Cardiac chimerism as a mechanism for self-repair: does it happen and if so to what degree?. <i>Circulation</i> , 2002 , 106, 2-4	16.7	82
9	Endoventricular Transplantation of Allogenic Skeletal Myoblasts in a Porcine Model of Myocardial Infarction. <i>Journal of Endovascular Therapy</i> , 2002 , 9, 313-319	2.5	18
8	Cellular cardiomyoplasty with autologous skeletal myoblasts for ischemic heart disease and heart failure. <i>Current Controlled Trials in Cardiovascular Medicine</i> , 2001 , 2, 208-210		32
7	Comparison of benefits on myocardial performance of cellular cardiomyoplasty with skeletal myoblasts and fibroblasts. <i>Cell Transplantation</i> , 2000 , 9, 359-68	4	150
6	Fiber type-specific differential expression of angiogenic factors in response to chronic hindlimb ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H932-8	5.2	47
5	Myogenic cell transplantation improves in vivo regional performance in infarcted rabbit myocardium. <i>Journal of Heart and Lung Transplantation</i> , 1999 , 18, 1173-80	5.8	100
4	Intracardiac transplantation of skeletal myoblasts yields two populations of striated cells in situ. <i>Annals of Thoracic Surgery</i> , 1999 , 67, 124-9	2.7	103
3	Cellular cardiomyoplasty improves diastolic properties of injured heart. <i>Journal of Surgical Research</i> , 1999 , 85, 234-42	2.5	63
2	Regulation of carbohydrate and fatty acid utilization by L-carnitine during cardiac development and hypoxia. <i>Molecular and Cellular Biochemistry</i> , 1998 , 180, 95-103	4.2	9
1	Regenerating functional myocardium: improved performance after skeletal myoblast transplantation. <i>Nature Medicine</i> , 1998 , 4, 929-33	50.5	946