

# Darryl R Davis

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,826  
citations

257450

24  
h-index

175258

52  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4053  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct comparison of different therapeutic cell types susceptibility to inflammatory cytokines associated with COVID-19 acute lung injury. <i>Stem Cell Research and Therapy</i> , 2022, 13, 20.	5.5	7
2	Should they stay, or should they go: do we need to remove the old cardiac implantable electronic device if a new system is required on the contralateral side?. <i>Heart Rhythm O2</i> , 2022, 3, 169-175.	1.7	1
3	Nanoengineered Sprayable Therapy for Treating Myocardial Infarction. <i>ACS Nano</i> , 2022, 16, 3522-3537.	14.6	5
4	Cell therapy for patients with Duchenne muscular dystrophy. <i>Lancet, The</i> , 2022, 399, 1024-1025.	13.7	1
5	Outcomes of a comprehensive strategy during repeat atrial fibrillation ablation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022, 65, 391-399.	1.3	6
6	Recombinant Human Collagen Hydrogel Rapidly Reduces Methylglyoxal Adducts within Cardiomyocytes and Improves Borderzone Contractility after Myocardial Infarction in Mice. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	9
7	High-power, short-duration atrial fibrillation ablation compared with a conventional approach: Outcomes and reconnection patterns. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 1219-1228.	1.7	19
8	Cover Image, Volume 32, Issue 5. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, i.	1.7	0
9	Electrophysiological engineering of heart-derived cells with calcium-dependent potassium channels improves cell therapy efficacy for cardioprotection. <i>Nature Communications</i> , 2021, 12, 4963.	12.8	5
10	Cardiomyocyte-specific deletion of $\beta$ -catenin protects mouse hearts from ventricular arrhythmias after myocardial infarction. <i>Scientific Reports</i> , 2021, 11, 17722.	3.3	4
11	State-Of-Play for Cellular Therapies in Cardiac Repair and Regeneration. <i>Stem Cells</i> , 2021, 39, 1579-1588.	3.2	11
12	A new electrocardiographic definition of left bundle branch block (LBBB) in patients after transcatheter aortic valve replacement (TAVR). <i>Journal of Electrocardiology</i> , 2020, 63, 167-172.	0.9	4
13	Disease Modelling and Precision Medicine Using Canadian Cardiomyocytes. <i>Canadian Journal of Cardiology</i> , 2020, 36, 467-469.	1.7	0
14	The Clinical Utility of Continuous QT Interval Monitoring in Patients Admitted With COVID-19 Compared With Standard of Care: A Prospective Cohort Study. <i>CJC Open</i> , 2020, 2, 592-598.	1.5	0
15	Collagen-Based Microcapsules As Therapeutic Materials for Stem Cell Therapies in Infarcted Myocardium. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4614-4622.	5.2	12
16	Mybl2 rejuvenates heart explant-derived cells from aged donors after myocardial infarction. <i>Aging Cell</i> , 2020, 19, e13174.	6.7	10
17	Deterministic paracrine repair of injured myocardium using microfluidic-based cocooning of heart explant-derived cells. <i>Biomaterials</i> , 2020, 247, 120010.	11.4	16
18	High-power short-duration radiofrequency ablation of typical atrial flutter. <i>Heart Rhythm O2</i> , 2020, 1, 317-323.	1.7	5

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19	Systematic review of pre-clinical therapies for post-operative atrial fibrillation. PLoS ONE, 2020, 15, e0241643.	2.5	4
20	The Cell Engraftment Hypothesis of Cardiac Repair. Current Stem Cell Research and Therapy, 2020, 15, 711-722.	1.3	3
21	Heart-derived cells for therapeutics. , 2020, , 217-243.		0
22	A Strategy of Lead Abandonment in a Large Cohort of Patients With SprintâFidelis Leads. JACC: Clinical Electrophysiology, 2019, 5, 1059-1067.	3.2	4
23	Paracrine Heart Repair Comes of Age. Canadian Journal of Cardiology, 2019, 35, 1278-1280.	1.7	0
24	Physiologic expansion of human heart-derived cells enhances therapeutic repair of injured myocardium. Stem Cell Research and Therapy, 2019, 10, 316.	5.5	11
25	Immortalized factories of therapeutic vesicles. Nature Biomedical Engineering, 2019, 3, 676-677.	22.5	0
26	Disease modeling of cardiac arrhythmias using human induced pluripotent stem cells. Expert Opinion on Biological Therapy, 2019, 19, 313-333.	3.1	6
27	Systematic review of biological therapies for atrial fibrillation. Heart Rhythm, 2019, 16, 1399-1407.	0.7	4
28	Cardiac stem cells in the post-Anversa era. European Heart Journal, 2019, 40, 1039-1041.	2.2	32
29	Year in Review in Cardiac Electrophysiology. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007142.	4.8	2
30	Glyoxalase 1 Prevents Chronic Hyperglycemia Induced Heart-Explant Derived Cell Dysfunction. Theranostics, 2019, 9, 5720-5730.	10.0	10
31	Prevalence of left atrial appendage thrombus detected by transoesophageal echocardiography before catheter ablation of atrial fibrillation in patients anticoagulated with non-vitamin K antagonist oral anticoagulants. Europace, 2019, 21, 48-53.	1.7	17
32	Evaluation of a novel cardioversion intervention for atrial fibrillation: the Ottawa AF cardioversion protocol. Europace, 2019, 21, 708-715.	1.7	19
33	Deterministic Encapsulation of Human Cardiac Stem Cells in Variable Composition Nanoporous Gel Cocoons To Enhance Therapeutic Repair of Injured Myocardium. ACS Nano, 2018, 12, 4338-4350.	14.6	28
34	Calciumâ€dependent potassium channels control proliferation of cardiac progenitor cells and bone marrowâ€derived mesenchymal stem cells. Journal of Physiology, 2018, 596, 2359-2379.	2.9	16
35	Nanoengineered Electroconductive Collagen-Based Cardiac Patch for Infarcted Myocardium Repair. ACS Applied Materials & Interfaces, 2018, 10, 44668-44677.	8.0	77
36	Concise Review: Heart-Derived Cell Therapy 2.0: Paracrine Strategies to Increase Therapeutic Repair of Injured Myocardium. Stem Cells, 2018, 36, 1794-1803.	3.2	21

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37	Year in Review in Cardiac Electrophysiology. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006648.	4.8	3
38	Induced Pluripotent Stem Cell-Based Treatment of Acquired Heart Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, e005331.	4.8	0
39	The Frustration and Futility of Intracoronary Stem Cell Therapy. <i>Canadian Journal of Cardiology</i> , 2017, 33, 1510-1512.	1.7	2
40	Cellular mechanisms underlying cardiac engraftment of stem cells. <i>Expert Opinion on Biological Therapy</i> , 2017, 17, 1127-1143.	3.1	30
41	Interleukin-6 Mediates Post-Infarct Repair by Cardiac Explant-Derived Stem Cells. <i>Theranostics</i> , 2017, 7, 4850-4861.	10.0	31
42	Isolation of human explant derived cardiac stem cells from cryopreserved heart tissue. <i>PLoS ONE</i> , 2017, 12, e0176000.	2.5	8
43	Paracrine Engineering of Human Explant-Derived Cardiac Stem Cells to Over-Express Stromal-Cell Derived Factor 1 Enhances Myocardial Repair. <i>Stem Cells</i> , 2016, 34, 1826-1835.	3.2	27
44	Electrical effects of stem cell transplantation for ischaemic cardiomyopathy: friend or foe?. <i>Journal of Physiology</i> , 2016, 594, 2511-2524.	2.9	8
45	The impact of patient co-morbidities on the regenerative capacity of cardiac explant-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2016, 7, 60.	5.5	25
46	Paracrine Engineering of Human Cardiac Stem Cells With Insulin-Like Growth Factor 1 Enhances Myocardial Repair. <i>Journal of the American Heart Association</i> , 2015, 4, e002104.	3.7	48
47	Activation of GATA4 gene expression at the early stage of cardiac specification. <i>Frontiers in Chemistry</i> , 2014, 2, 12.	3.6	33
48	Atrioventricular Block as the Initial Manifestation of Cardiac Sarcoidosis in Middle-Aged Adults. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 875-881.	1.7	150
49	Resident Cardiac Stem Cells and Their Role in Stem Cell Therapies for Myocardial Repair. <i>Canadian Journal of Cardiology</i> , 2014, 30, 1288-1298.	1.7	23
50	The effect of encapsulation of cardiac stem cells within matrix-enriched hydrogel capsules on cell survival, post-ischemic cell retention and cardiac function. <i>Biomaterials</i> , 2014, 35, 133-142.	11.4	104
51	Hyperglycemia Inhibits Cardiac Stem Cell-Mediated Cardiac Repair and Angiogenic Capacity. <i>Circulation</i> , 2014, 130, S70-6.	1.6	51
52	The role of integrin $\beta 2$ in cell and matrix therapy that improves perfusion, viability and function of infarcted myocardium. <i>Biomaterials</i> , 2014, 35, 4749-4758.	11.4	34
53	Circulating Progenitor Cells as a Heart Failure Biomarker: Does a Failing Marrow Predict a Failing Heart?. <i>Canadian Journal of Cardiology</i> , 2013, 29, 662-663.	1.7	1
54	Intrinsic cardiac origin of human cardiosphere-derived cells. <i>European Heart Journal</i> , 2013, 34, 68-75.	2.2	68

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55	Human Blood and Cardiac Stem Cells Synergize to Enhance Cardiac Repair When Cotransplanted Into Ischemic Myocardium. <i>Circulation</i> , 2013, 128, S105-12.	1.6	51
56	Functional Impairment of Human Resident Cardiac Stem Cells by the Cardiotoxic Antineoplastic Agent Trastuzumab. <i>Stem Cells Translational Medicine</i> , 2012, 1, 289-297.	3.3	36
57	Selectins for Cardiosphere Culture: The 'Have It!'. <i>Molecular Therapy</i> , 2012, 20, 1296-1297.	8.2	0
58	Superior vena cava obstruction due to pacemaker leads. <i>Europace</i> , 2012, 14, 1-1.	1.7	0
59	Autologous cell therapy for cardiac repair. <i>Expert Opinion on Biological Therapy</i> , 2011, 11, 489-508.	3.1	20
60	Posterior His Bundle Electrogram Location in a Patient With Atrioventricular Nodal Reentrant Tachycardia and Structurally Normal Heart. <i>Canadian Journal of Cardiology</i> , 2011, 27, 120.e1-120.e3.	1.7	0
61	Human Cardiospheres Are a Source of Stem Cells with Cardiomyogenic Potential. <i>Stem Cells</i> , 2010, 28, 903-904.	3.2	67
62	Cardiospheres Recapitulate a Niche-Like Microenvironment Rich in Stemness and Cell-Matrix Interactions, Rationalizing Their Enhanced Functional Potency for Myocardial Repair. <i>Stem Cells</i> , 2010, 28, 2088-2098.	3.2	232
63	Ventricular tachycardia following tube thoracotomy. <i>Europace</i> , 2010, 12, 1504-1506.	1.7	5
64	Characterization of a novel mutation in the cardiac ryanodine receptor that results in catecholaminergic polymorphic ventricular tachycardia. <i>Channels</i> , 2010, 4, 302-310.	2.8	28
65	Magnetic Targeting Enhances Engraftment and Functional Benefit of Iron-Labeled Cardiosphere-Derived Cells in Myocardial Infarction. <i>Circulation Research</i> , 2010, 106, 1570-1581.	4.5	226
66	Isolation and expansion of functionally-competent cardiac progenitor cells directly from heart biopsies. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 312-321.	1.9	129
67	Validation of the Cardiosphere Method to Culture Cardiac Progenitor Cells from Myocardial Tissue. <i>PLoS ONE</i> , 2009, 4, e7195.	2.5	252
68	Remote Magnetic Navigation-Assisted Catheter Ablation Enhances Catheter Stability and Ablation Success with Lower Catheter Temperatures. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2008, 31, 893-898.	1.2	54
69	Letter to the editor. <i>Canadian Journal of Cardiology</i> , 2008, 24, 72.	1.7	0
70	Acute reversible left ventricular dysfunction secondary to alcohol. <i>Canadian Journal of Cardiology</i> , 2007, 23, 475-477.	1.7	18
71	Transient left ventricular apical ballooning following a prolonged ablation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2007, 17, 47-49.	1.3	3
72	Appropriate Result from an Inappropriate ICD Shock. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2006, 29, 1183-1184.	1.2	3

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73	Successful ablation of a concealed parahisian accessory pathway using a remote magnetic navigation system following failure by conventional methods. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2006, 16, 149-151.	1.3	11
74	Frequency of Peripartum Cardiomyopathy. <i>American Journal of Cardiology</i> , 2006, 97, 1765-1768.	1.6	231
75	Reasons for Escalating Pacemaker Implants. <i>American Journal of Cardiology</i> , 2006, 98, 93-97.	1.6	82
76	Influence of gender on ICD implantation for primary and secondary prevention of sudden cardiac death. <i>Europace</i> , 2006, 8, 1054-1056.	1.7	19
77	Long-term outcome of cardiac resynchronization therapy in patients with severe congestive heart failure. <i>Canadian Journal of Cardiology</i> , 2005, 21, 413-7.	1.7	14
78	Implantable cardioverter defibrillators: therapy against Canada's leading killer. <i>Cmaj</i> , 2004, 171, 1037-1038.	2.0	5
79	Time-dependent bias was common in survival analyses published in leading clinical journals. <i>Journal of Clinical Epidemiology</i> , 2004, 57, 672-682.	5.0	312
80	Rate-Dependent Effects of Sema tilide on Ventricular Monophasic Action Potential Duration and Delayed Rectifier K <sup>+</sup> Current in Rabbits. <i>Journal of Cardiovascular Pharmacology</i> , 1996, 28, 618-630.	1.9	13