

Alan W Heldman

List of Publications by Year in descending order

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76
papers

9,485
citations

101384

36
h-index

106150

65
g-index

85
all docs

85
docs citations

85
times ranked

8700
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Allogeneic vs Autologous Bone Marrow-Derived Mesenchymal Stem Cells Delivered by Transendocardial Injection in Patients With Ischemic Cardiomyopathy. JAMA - Journal of the American Medical Association, 2012, 308, 2369.	3.8	1,017
2	Cardiac repair with intramyocardial injection of allogeneic mesenchymal stem cells after myocardial infarction. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11474-11479.	3.3	1,008
3	In Vivo Magnetic Resonance Imaging of Mesenchymal Stem Cells in Myocardial Infarction. Circulation, 2003, 107, 2290-2293.	1.6	696
4	Bone Marrow Mesenchymal Stem Cells Stimulate Cardiac Stem Cell Proliferation and Differentiation. Circulation Research, 2010, 107, 913-922.	2.0	659
5	Allogeneic mesenchymal stem cells restore cardiac function in chronic ischemic cardiomyopathy via trilineage differentiating capacity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14022-14027.	3.3	529
6	Transendocardial Mesenchymal Stem Cells and Mononuclear Bone Marrow Cells for Ischemic Cardiomyopathy. JAMA - Journal of the American Medical Association, 2014, 311, 62.	3.8	471
7	Methylation of the estrogen receptor gene is associated with aging and atherosclerosis in the cardiovascular system. Cardiovascular Research, 1999, 43, 985-991.	1.8	432
8	Paclitaxel Stent Coating Inhibits Neointimal Hyperplasia at 4 Weeks in a Porcine Model of Coronary Restenosis. Circulation, 2001, 103, 2289-2295.	1.6	401
9	Enhanced Effect of Combining Human Cardiac Stem Cells and Bone Marrow Mesenchymal Stem Cells to Reduce Infarct Size and to Restore Cardiac Function After Myocardial Infarction. Circulation, 2013, 127, 213-223.	1.6	375
10	Autologous Mesenchymal Stem Cells Produce Concordant Improvements in Regional Function, Tissue Perfusion, and Fibrotic Burden When Administered to Patients Undergoing Coronary Artery Bypass Grafting. Circulation Research, 2014, 114, 1302-1310.	2.0	305
11	Randomized Comparison of Allogeneic Versus Autologous Mesenchymal Stem Cells for Nonischemic Dilated Cardiomyopathy. Journal of the American College of Cardiology, 2017, 69, 526-537.	1.2	297
12	Intramyocardial Stem Cell Injection in Patients With Ischemic Cardiomyopathy. Circulation Research, 2011, 108, 792-796.	2.0	286
13	Oral antibiotic treatment of right-sided staphylococcal endocarditis in injection drug users: Prospective randomized comparison with parenteral therapy. American Journal of Medicine, 1996, 101, 68-76.	0.6	256
14	Inhibition of Restenosis With a Paclitaxel-Eluting, Polymer-Free Coronary Stent. Circulation, 2004, 109, 487-493.	1.6	225
15	Focal modification of electrical conduction in the heart by viral gene transfer. Nature Medicine, 2000, 6, 1395-1398.	15.2	197
16	Multimodality Noninvasive Imaging Demonstrates In Vivo Cardiac Regeneration After Mesenchymal Stem Cell Therapy. Journal of the American College of Cardiology, 2006, 48, 2116-2124.	1.2	157
17	Early improvement in cardiac tissue perfusion due to mesenchymal stem cells. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2002-H2011.	1.5	152
18	Dose Comparison Study of Allogeneic Mesenchymal Stem Cells in Patients With Ischemic Cardiomyopathy (The TRIDENT Study). Circulation Research, 2017, 121, 1279-1290.	2.0	152

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19	Synergistic Effects of Combined Cell Therapy for Chronic Ischemic Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2015, 66, 1990-1999.	1.2	133
20	Rationale and design of the Transendocardial Injection of Autologous Human Cells (bone marrow or Tj ETQq0 0 0 rgBT /Overlock 10 Tf Myocardial Infarction (TAC-HFT) trial: A randomized, double-blind, placebo-controlled study of safety and efficacy. <i>American Heart Journal</i> , 2011, 161, 487-493.	1.2	127
21	Does Transendocardial Injection of Mesenchymal Stem Cells Improve Myocardial Function Locally or Globally?. <i>Circulation Research</i> , 2014, 114, 1292-1301.	2.0	115
22	Concise Review: Review and Perspective of Cell Dosage and Routes of Administration From Preclinical and Clinical Studies of Stem Cell Therapy for Heart Disease. <i>Stem Cells Translational Medicine</i> , 2016, 5, 186-191.	1.6	109
23	Allogeneic Mesenchymal Stem Cells Ameliorate Aging Frailty: A Phase II Randomized, Double-Blind, Placebo-Controlled Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1513-1522.	1.7	107
24	The Transaortic Approach for Transcatheter Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2013, 61, 2341-2345.	1.2	94
25	Myocardial infarction and intramyocardial injection models in swine. <i>Nature Protocols</i> , 2012, 7, 1479-1496.	5.5	89
26	Inhibitory G Protein Overexpression Provides Physiologically Relevant Heart Rate Control in Persistent Atrial Fibrillation. <i>Circulation</i> , 2004, 110, 3115-3120.	1.6	80
27	New-Onset Atrial Fibrillation After Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1510-1519.	1.2	80
28	A Combination of Allogeneic Stem Cells Promotes Cardiac Regeneration. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2504-2515.	1.2	76
29	Allogeneic Human Mesenchymal Stem Cell Infusions for Aging Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1505-1512.	1.7	71
30	Acute effects of conjugated estrogens on coronary blood flow response to acetylcholine in men. <i>American Journal of Cardiology</i> , 1997, 80, 1021-1024.	0.7	69
31	Durable Scar Size Reduction Due to Allogeneic Mesenchymal Stem Cell Therapy Regulates Whole Chamber Remodeling. <i>Journal of the American Heart Association</i> , 2013, 2, e000140.	1.6	67
32	Real-time Projection MR Angiography: Feasibility Study. <i>Radiology</i> , 2000, 217, 290-295.	3.6	59
33	Resuscitation and recovery from acute right ventricular failure using a percutaneous right ventricular assist device. <i>Catheterization and Cardiovascular Interventions</i> , 2006, 68, 78-82.	0.7	54
34	Rationale and Design of the Percutaneous Stem Cell Injection Delivery Effects on Neomyogenesis in Dilated Cardiomyopathy (The POSEIDON-DCM Study). <i>Journal of Cardiovascular Translational Research</i> , 2014, 7, 769-780.	1.1	41
35	Single-Vessel Coronary Artery Stenosis: Myocardial Perfusion Imaging with Gadomer-17 First-Pass MR Imaging in a Swine Model of Comparison with Gadopentetate Dimeglumine. <i>Radiology</i> , 2002, 225, 104-112.	3.6	39
36	Transesophageal magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 722-726.	1.9	38

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37	MRI detection of myocardial perfusion defects due to coronary artery stenosis with MS-325. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 149-158.	1.9	38
38	Rationale and design of the allogeneic human mesenchymal stem cells (hMSC) in patients with aging frailty via intravenous delivery (CRATUS) study: A phase I/II, randomized, blinded and placebo controlled trial to evaluate the safety and potential efficacy of allogeneic human mesenchymal stem cell infusion in patients with aging frailty. <i>Oncotarget</i> , 2016, 7, 11899-11912.	0.8	37
39	Adherence to Appropriateness Criteria for Transthoracic Echocardiography: Comparisons Between a Regional Department of Veterans Affairs Health Care System and Academic Practice and Between Physicians and Mid-Level Providers. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 793-799.	1.2	36
40	Elective or Emergency Use of Mechanical Circulatory Support Devices During Transcatheter Aortic Valve Replacement. <i>Journal of Interventional Cardiology</i> , 2016, 29, 513-522.	0.5	33
41	A Minimally Invasive Method for Creating Coronary Stenosis in a Swine Model for MRI and SPECT Imaging. <i>Investigative Radiology</i> , 2000, 35, 445-451.	3.5	30
42	Randomized trial of hormone therapy in women after coronary bypass surgery. <i>Atherosclerosis</i> , 2006, 189, 375-386.	0.4	29
43	Prospective evaluation of the relationship between platelet-leukocyte conjugate formation and recurrent myocardial ischemia in patients with acute coronary syndromes. <i>Platelets</i> , 2004, 15, 9-14.	1.1	25
44	Cell therapy for myocardial infarction: Special delivery. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 473-476.	0.9	24
45	Effects of Transendocardial Stem Cell Injection on Ventricular Proarrhythmia in Patients with Ischemic Cardiomyopathy: Results from the POSEIDON and TAC-HFT Trials. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1366-1372.	1.6	22
46	Genetic determinants of responsiveness to mesenchymal stem cell injections in non-ischemic dilated cardiomyopathy. <i>EBioMedicine</i> , 2019, 48, 377-385.	2.7	20
47	EJ-Ras Inhibits Phospholipase C β 1 but Not Actin Polymerization Induced by Platelet-Derived Growth Factor-BB via Phosphatidylinositol 3-Kinase. <i>Circulation Research</i> , 1996, 78, 312-321.	2.0	17
48	Endothelial cell Ca ²⁺ increases upon tumor cell contact and modulates cell-cell adhesion.. <i>Journal of Clinical Investigation</i> , 1993, 92, 3017-3022.	3.9	17
49	Multidetector Computerized Tomography Can Guide and Document Alcohol Septal Ablation in Hypertrophic Obstructive Cardiomyopathy. <i>Circulation</i> , 2011, 123, e5-7.	1.6	10
50	Microvascular Obstruction After Nonsurgical Septal Reduction for the Treatment of Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2001, 104, 1868-1868.	1.6	9
51	The story of the lost needle: Foreign body embolization to the heart. <i>Journal of Cardiology Cases</i> , 2015, 11, 175-177.	0.2	9
52	ST-Segment Elevation in an Unresponsive Patient. <i>Circulation</i> , 2003, 108, e165-6.	1.6	8
53	Needling the heart. <i>Catheterization and Cardiovascular Interventions</i> , 1999, 48, 454-455.	0.7	7
54	Transient and persistent conduction abnormalities following transcatheter aortic valve replacement with the Edwards-Sapien prosthesis: a comparison between antegrade vs. retrograde approaches. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2016, 47, 143-151.	0.6	6

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55	Transfemoral Aortic Valve Replacement in Failing Aortic Root Homografts. Journal of Cardiac Surgery, 2014, 29, 333-336.	0.3	5
56	Distal Occluder and Rheolytic Thrombectomy of a Saphenous Vein Graft Lesion with a Large Associated Thrombus. Journal of Interventional Cardiology, 2002, 15, 309-312.	0.5	3
57	Actin Regulation and Surface Catalysis. Advances in Experimental Medicine and Biology, 1994, 358, 105-112.	0.8	3
58	Stenting small coronaries: Size does matter. Catheterization and Cardiovascular Interventions, 1999, 47, 277-278.	0.7	2
59	Restenting: Should we add a vest to the metal jacket?. Catheterization and Cardiovascular Interventions, 1999, 48, 149-150.	0.7	2
60	Use of Stem Cells for Ischemic Cardiomyopathyâ€™Reply. JAMA - Journal of the American Medical Association, 2013, 309, 1458.	3.8	2
61	The right stuff (to the right place, at the right dose . . .). Catheterization and Cardiovascular Interventions, 1999, 47, 107-108.	0.7	1
62	Stem Cell Therapy in Heart Failure. , 2017, , 727-747.		1
63	Good vibrations. Catheterization and Cardiovascular Interventions, 1999, 46, 105-106.	0.7	0
64	Yes reflow. Catheterization and Cardiovascular Interventions, 1999, 47, 404-405.	0.7	0
65	Resurrection or benevolent epitaph?. Catheterization and Cardiovascular Interventions, 2000, 49, 127-129.	0.7	0
66	The dark side(s) of the force. Catheterization and Cardiovascular Interventions, 2000, 50, 109-111.	0.7	0
67	Direct stenting: Is the future near?. Catheterization and Cardiovascular Interventions, 2000, 50, 382-383.	0.7	0
68	Coronary perforation: Angioplasty out of control. Catheterization and Cardiovascular Interventions, 2001, 52, 287-288.	0.7	0
69	The messenger and the message: Preventing restenosis. Catheterization and Cardiovascular Interventions, 2001, 53, 569-570.	0.7	0
70	Allogeneic Mesenchymal Stem Cells Improve Vessel Maturation and Reduce Apoptosis in Regions of Ischemically Damaged Myocardium. Journal of Cardiac Failure, 2006, 12, S9.	0.7	0
71	Cell Tracking Following the Intramyocardial Injection of Mesenchymal Cells after Myocardial Infarction. Journal of Cardiac Failure, 2006, 12, S18.	0.7	0
72	Side Balloon Stenting of the Left Main Bifurcation: A Three-Year Angiographic Follow-Up. Journal of Interventional Cardiology, 2009, 22, 547-549.	0.5	0

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73	TCT-865 Rotational Aortography With CT Reconstruction Can Guide Transcatheter Aortic Valve Replacement And Predict Prosthetic Regurgitation. Journal of the American College of Cardiology, 2012, 60, B250-B251.	1.2	0
74	Therapies Targeted at Preserving Microvascular Integrity and Preventing Reperfusion Injury. , 2009, , 135-167.		0
75	Cell Therapy in Acute Myocardial Infarction. , 2009, , 195-203.		0
76	Drug Strategies for Angioplasty in Acute Myocardial Infarction. , 0, , 93-116.		0