

# Michael Dandel

## List of Publications by Year in descending order

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101  
papers

4,664  
citations

109321

35  
h-index

98798

67  
g-index

102  
all docs

102  
docs citations

102  
times ranked

4460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain and Strain Rate Imaging by Echocardiography - Basic Concepts and Clinical Applicability. <i>Current Cardiology Reviews</i> , 2009, 5, 133-148.	1.5	329
2	Immunoglobulin Adsorption in Patients With Idiopathic Dilated Cardiomyopathy. <i>Circulation</i> , 2000, 101, 385-391.	1.6	314
3	Weaning From Mechanical Cardiac Support in Patients With Idiopathic Dilated Cardiomyopathy. <i>Circulation</i> , 1997, 96, 542-549.	1.6	312
4	Echocardiographic strain and strain rate imaging – Clinical applications. <i>International Journal of Cardiology</i> , 2009, 132, 11-24.	1.7	250
5	Tricuspid Incompetence and Geometry of the Right Ventricle as Predictors of Right Ventricular Function After Implantation of a Left Ventricular Assist Device. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 1275-1281.	0.6	216
6	Regression of Myocardial Hypertrophy After Aortic Valve Replacement. <i>Circulation</i> , 2010, 122, S23-8.	1.6	200
7	Long-Term Results in Patients With Idiopathic Dilated Cardiomyopathy After Weaning From Left Ventricular Assist Devices. <i>Circulation</i> , 2005, 112, 137-45.	1.6	189
8	Prediction of right ventricular failure after ventricular assist device implant: systematic review and meta-analysis of observational studies. <i>European Journal of Heart Failure</i> , 2017, 19, 926-946.	7.1	188
9	Prediction of Cardiac Stability After Weaning From Left Ventricular Assist Devices in Patients With Idiopathic Dilated Cardiomyopathy. <i>Circulation</i> , 2008, 118, S94-105.	1.6	170
10	Heart failure reversal by ventricular unloading in patients with chronic cardiomyopathy: criteria for weaning from ventricular assist devices. <i>European Heart Journal</i> , 2011, 32, 1148-1160.	2.2	154
11	Reliability of Tissue Doppler Wall Motion Monitoring After Heart Transplantation for Replacement of Invasive Routine Screenings by Optimally Timed Cardiac Biopsies and Catheterizations. <i>Circulation</i> , 2001, 104, I-184-I-191.	1.6	133
12	Bridging-to-recovery. <i>Annals of Thoracic Surgery</i> , 2001, 71, S109-S113.	1.3	118
13	Incremental prognostic value of cardiopulmonary exercise testing and resting haemodynamics in pulmonary arterial hypertension. <i>International Journal of Cardiology</i> , 2013, 167, 1193-1198.	1.7	113
14	Autologous CD133+ bone marrow cells and bypass grafting for regeneration of ischaemic myocardium: the Cardio133 trial. <i>European Heart Journal</i> , 2014, 35, 1263-1274.	2.2	111
15	Is Bridge to Recovery More Likely With Pulsatile Left Ventricular Assist Devices Than With Nonpulsatile-Flow Systems?. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1335-1340.	1.3	101
16	Load Dependency of Right Ventricular Performance Is a Major Factor to be Considered in Decision Making Before Ventricular Assist Device Implantation. <i>Circulation</i> , 2013, 128, S14-23.	1.6	84
17	Maladaptive Remodeling Is Associated With Impaired Survival in Women But Not in Men After Aortic Valve Replacement. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 1073-1080.	5.3	80
18	Long-term benefits of immunoadsorption in $\beta_1$ -adrenoceptor autoantibody-positive transplant candidates with dilated cardiomyopathy. <i>European Journal of Heart Failure</i> , 2012, 14, 1374-1388.	7.1	77

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19	Reversibility of fixed pulmonary hypertension in left ventricular assist device support recipients. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 971-7.	1.4	76
20	Left ventricular vs. biventricular mechanical support: Decision making and strategies for avoidance of right heart failure after left ventricular assist device implantation. <i>International Journal of Cardiology</i> , 2015, 198, 241-250.	1.7	68
21	Pre-Explant Stability of Unloading-Promoted Cardiac Improvement Predicts Outcome After Weaning From Ventricular Assist Devices. <i>Circulation</i> , 2012, 126, S9-19.	1.6	58
22	Temporary Right Ventricular Mechanical Support in High-Risk Left Ventricular Assist Device Recipients Versus Permanent Biventricular or Total Artificial Heart Support. <i>Artificial Organs</i> , 2013, 37, 523-530.	1.9	56
23	Orthotopic Heart Transplantation in Patients With Marfan Syndrome. <i>Annals of Thoracic Surgery</i> , 2007, 83, 1691-1695.	1.3	53
24	Impact of different long-term maintenance immunosuppressive therapy strategies on patients' outcome after heart transplantation. <i>Transplant Immunology</i> , 2010, 23, 93-103.	1.2	51
25	Echocardiographic assessment of the right ventricle: Impact of the distinctly load dependency of its size, geometry and performance. <i>International Journal of Cardiology</i> , 2016, 221, 1132-1142.	1.7	49
26	Role of $\beta_1$ -adrenoceptor autoantibodies in the pathogenesis of dilated cardiomyopathy. <i>Immunobiology</i> , 2012, 217, 511-520.	1.9	48
27	Coronary atherosclerosis of the donor heart – impact on early graft failure†. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 32, 634-638.	1.4	45
28	Assessment of right ventricular adaptability to loading conditions can improve the timing of listing to transplantation in patients with pulmonary arterial hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2015, 34, 319-328.	0.6	45
29	Donor-transmitted coronary atherosclerosis. <i>Journal of Heart and Lung Transplantation</i> , 2003, 22, 568-573.	0.6	44
30	Early detection of left ventricular dysfunction related to transplant coronary artery disease. <i>Journal of Heart and Lung Transplantation</i> , 2003, 22, 1353-1364.	0.6	41
31	Observational Study With Everolimus (Certican) in Combination With Low-dose Cyclosporine in De Novo Heart Transplant Recipients. <i>Journal of Heart and Lung Transplantation</i> , 2007, 26, 700-704.	0.6	40
32	Contribution of ventricular assist devices to the recovery of failing hearts: a review and the Berlin Heart Experience. <i>European Journal of Heart Failure</i> , 2014, 16, 248-263.	7.1	40
33	Post-transplant surveillance for acute rejection and allograft vasculopathy by echocardiography: Usefulness of myocardial velocity and deformation imaging. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 117-131.	0.6	39
34	Intramyocardial Delivery of Bone Marrow Mononuclear Cells and Mechanical Assist Device Implantation in Patients with End-Stage Cardiomyopathy. <i>Cell Transplantation</i> , 2007, 16, 941-949.	2.5	36
35	Immunoabsorption therapy for dilated cardiomyopathy and pulmonary arterial hypertension. <i>Atherosclerosis Supplements</i> , 2013, 14, 203-211.	1.2	36
36	Outcomes from a recovery protocol for patients with continuous-flow left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 440-448.	0.6	33

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37	Tricuspid Valve Repair in Patients Supported with Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2011, 57, 363-367.	1.6	31
38	Aptamer BC 007 – A broad spectrum neutralizer of pathogenic autoantibodies against G-protein-coupled receptors. <i>European Journal of Pharmacology</i> , 2016, 789, 37-45.	3.5	31
39	Left ventricular assist device or heart transplantation: impact of transpulmonary gradient and pulmonary vascular resistance on decision making. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 39, 310-316.	1.4	28
40	The First Aptamer-Apheresis Column Specifically for Clearing Blood of $\beta_1$ -Receptor Autoantibodies. <i>Circulation Journal</i> , 2012, 76, 2449-2455.	1.6	28
41	Survival of Patients With Idiopathic Pulmonary Arterial Hypertension After Listing for Transplantation: Impact of Iloprost and Bosentan Treatment. <i>Journal of Heart and Lung Transplantation</i> , 2007, 26, 898-906.	0.6	27
42	Evaluation of the right ventricle by echocardiography: particularities and major challenges. <i>Expert Review of Cardiovascular Therapy</i> , 2018, 16, 259-275.	1.5	27
43	Striking Observations During Emergency Catecholamine Treatment of Cardiac Syncope in a Patient With Initially Unrecognized Takotsubo Cardiomyopathy. <i>Circulation Journal</i> , 2009, 73, 1543-1546.	1.6	26
44	Prediction of cardiac function after weaning from ventricular assist devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 130, 1555-1560.	0.8	23
45	Immunoadsorption can improve cardiac function in transplant candidates with non-ischemic dilated cardiomyopathy associated with diabetes mellitus. <i>Atherosclerosis Supplements</i> , 2015, 18, 124-133.	1.2	23
46	Non-Doppler Two-dimensional Strain Imaging – Clinical Applications. <i>Journal of the American Society of Echocardiography</i> , 2007, 20, 1019.	2.8	21
47	Heart – lung interactions in COVID-19: prognostic impact and usefulness of bedside echocardiography for monitoring of the right ventricle involvement. <i>Heart Failure Reviews</i> , 2022, 27, 1325-1339.	3.9	21
48	Abnormalities of Pulmonary Diffusion Capacity in Long-term Survivors After Kidney Transplantation. <i>Chest</i> , 2002, 122, 639-644.	0.8	20
49	Early detection of left ventricular dysfunction in patients with mitral regurgitation due to flail leaflet is still a challenge. <i>European Heart Journal</i> , 2011, 32, 665-667.	2.2	20
50	Long-Term Mechanical Circulatory Support in 198 Patients: Largest Single-Center Experience Worldwide. <i>ASAIO Journal</i> , 2011, 57, 9-16.	1.6	19
51	Two-Dimensional Speckle Tracking Strain Analysis for Efficacy Assessment of Myocardial Cell Therapy. <i>Cell Transplantation</i> , 2009, 18, 361-370.	2.5	18
52	Temporary assist device support for the right ventricle: pre-implant and post-implant challenges. <i>Heart Failure Reviews</i> , 2018, 23, 157-171.	3.9	18
53	Recovery of failing hearts by mechanical unloading: Pathophysiologic insights and clinical relevance. <i>American Heart Journal</i> , 2018, 206, 30-50.	2.7	18
54	Mechanical circulatory support in patients of advanced age. <i>European Journal of Heart Failure</i> , 2010, 12, 990-994.	7.1	17

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55	Shear stress and vascular remodeling: study of cardiac allograft coronary artery disease as a model of diffuse atherosclerosis. <i>Journal of Heart and Lung Transplantation</i> , 2002, 21, 405-416.	0.6	16
56	Left ventricular wall motion abnormality and myocardial dysfunction in stress cardiomyopathy: New pathophysiological aspects suggested by echocardiography. <i>International Journal of Cardiology</i> , 2009, 135, e40-e43.	1.7	16
57	Association between acute rejection and cardiac allograft vasculopathy. <i>Journal of Heart and Lung Transplantation</i> , 2003, 22, 1064-1065.	0.6	15
58	Ventricular systolic dysfunction with and without altered myocardial contractility: Clinical value of echocardiography for diagnosis and therapeutic decision-making. <i>International Journal of Cardiology</i> , 2021, 327, 236-250.	1.7	14
59	Explantation of INCOR Left Ventricular Assist Device After Myocardial Recovery. <i>Journal of Cardiac Surgery</i> , 2008, 23, 642-647.	0.7	13
60	Left Ventricular Assist Devices and Drug Therapy in Heart Failure. <i>New England Journal of Medicine</i> , 2007, 356, 869-872.	27.0	12
61	Impact of Immunosuppressive Drugs on the Development of Cardiac Allograft Vasculopathy. <i>Current Vascular Pharmacology</i> , 2010, 8, 706-719.	1.7	11
62	The effects of bilateral lung transplantation on ventilatory efficiency, oxygen uptake and the right heart: a two-yr follow-up. <i>Clinical Transplantation</i> , 2011, 25, E38-E45.	1.6	11
63	Myocardial recovery during mechanical circulatory support: weaning and explantation criteria. <i>Heart, Lung and Vessels</i> , 2015, 7, 280-8.	0.4	11
64	Myocardial recovery during mechanical circulatory support: long-term outcome and elective ventricular assist device implantation to promote recovery as a treatment goal. <i>Heart, Lung and Vessels</i> , 2015, 7, 289-96.	0.4	11
65	Pathophysiology of COVID-19-associated acute respiratory distress syndrome. <i>Lancet Respiratory Medicine</i> , 2021, 9, e4.	10.7	10
66	The use of echocardiography post heart transplantation. <i>Expert Review of Cardiovascular Therapy</i> , 2016, 14, 1161-1175.	1.5	9
67	Weaning from ventricular assist device support after recovery from left ventricular failure with or without secondary right ventricular failure. <i>Cardiovascular Diagnosis and Therapy</i> , 2021, 11, 226-242.	1.7	9
68	Clinical Value of Prostacyclin and its Analogs in the Management of Pulmonary Arterial Hypertension. <i>Current Vascular Pharmacology</i> , 2003, 1, 171-181.	1.7	8
69	Reimplantation of left ventricular assist device late after weaning of device using a titanium plug. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 972-974.	0.6	7
70	Non-invasive cardiac allograft rejection surveillance: reliability and clinical value for prevention of heart failure. <i>Heart Failure Reviews</i> , 2021, 26, 319-336.	3.9	7
71	Accurate assessment of right heart function before and after long-term left ventricular assist device implantation. <i>Expert Review of Cardiovascular Therapy</i> , 2020, 18, 289-308.	1.5	7
72	Deleterious effects of catecholamine administration in acute heart failure caused by unrecognized Takotsubo cardiomyopathy. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 144.	1.7	6

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73	Evaluation of left ventricular filling pressures by the Tei index. <i>Journal of the American Society of Echocardiography</i> , 2004, 17, 709.	2.8	5
74	Evaluation of Cardiac Recovery in Ventricular Assist Device Recipients: Particularities, Reliability, and Practical Challenges. <i>Canadian Journal of Cardiology</i> , 2019, 35, 523-534.	1.7	5
75	Mechanical circulatory support systems: evolution, the systems and outlook. <i>Cardiovascular Diagnosis and Therapy</i> , 2021, 11, 309-322.	1.7	5
76	Advances in the Medical Treatment of Pulmonary Hypertension. <i>Kidney and Blood Pressure Research</i> , 2005, 28, 311-324.	2.0	4
77	Cardiac manifestations of COVID-19 infection: the role of echocardiography in patient management. <i>Infection</i> , 2021, 49, 187-189.	4.7	4
78	Multislice computed tomography-guided surgical repair of acquired posterior left ventricular aneurysms: demonstration of mitral valve and left ventricular reverse remodelling. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 23, 383-390.	1.1	3
79	Potential Impact of Tricuspid and Mitral Valve Regurgitation on the Diagnostic and Prognostic Value of Ventricular Ejection Fraction. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 518.	2.8	3
80	Preoperative Evaluation of Right Ventricular Function. , 2017, , 75-91.		3
81	Giant true inferoposterior left ventricular aneurysm presenting with heart failure: insights from multimodality imaging. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 46, 333-333.	1.4	2
82	A promoter polymorphism -945C>G in the connective tissue growth factor in heart failure patients with mechanical circulatory support: a new marker for bridge to recovery?. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, e29-e33.	1.4	2
83	Diagnostic and prognostic value of echocardiography in pulmonary arterial hypertension. <i>Clinical Cardiology</i> , 2018, 41, 1150-1151.	1.8	2
84	Echocardiographic variables with prognostic value in pulmonary arterial hypertension. <i>International Journal of Cardiology</i> , 2019, 294, 59.	1.7	2
85	Echocardiographic Assessment of the Right-Sided Heart for Surveillance of Patients With Pulmonary Arterial Hypertension. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 764-766.	5.3	2
86	Impact of rejection-related immune responses on the initiation and progression of cardiac allograft vasculopathy. <i>American Heart Journal</i> , 2020, 222, 46-63.	2.7	2
87	Feasibility of two-dimensional speckle-tracking echocardiography of aortic valve in patients with calcific aortic valve disease. <i>Journal of Biomechanics</i> , 2021, 122, 110474.	2.1	2
88	Timely Identification of Hospitalized Patients at Risk for COVID-19-Associated Right Heart Failure Should Be a Major Goal of Echocardiographic Surveillance. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 1323.	2.8	2
89	Severe low-gradient aortic stenosis: impact of inadequate left ventricular responses to high afterload on diagnosis and therapeutic decision-making. <i>Heart Failure Reviews</i> , 2022, 27, 2017-2031.	3.9	2
90	Speckle-Tracking Echocardiography for Assessment of Myocardial Viability and Dysfunction in Coronary Artery Disease. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 911-912.	2.8	1

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91	Mitral Regurgitation in Heart Failure. JACC: Heart Failure, 2021, 9, 404-405.	4.1	1
92	Benefits of transvenous mitral annuloplasty in heart failure with lower degrees of functional mitral regurgitation. Letter regarding the article "Treating symptoms and reversing remodelling: clinical and echocardiographic 1-year outcomes with percutaneous mitral annuloplasty for mild to moderate secondary mitral regurgitation". European Journal of Heart Failure, 2021, 23, 1984-1985.	7.1	1
93	Myocardial recovery during mechanical circulatory support: cellular, molecular, genomic and organ levels. Heart, Lung and Vessels, 2015, 7, 110-20.	0.4	1
94	Etiopathogenetic Particularities and Prognostic Impact of Right Ventricular Involvement in Coronavirus Disease 2019-Related Acute Respiratory Distress Syndrome. Critical Care Medicine, 2021, Publish Ahead of Print, .	0.9	1
95	Survival Benefits of Extracorporeal Membrane Oxygenation for Selected Patients With Severe COVID-19. Annals of Thoracic Surgery, 2023, 115, 1085-1086.	1.3	1
96	Pathophysiological insights with relevant impact on the prognostic assessment and clinical management of patients with pulmonary arterial hypertension. Journal of Physiology, 2022, 600, 3633-3634.	2.9	1
97	Pulmonary venous hypertension vs. pulmonary arterial hypertension: Usefulness of echocardiography in the case of misleading heart catheterization data. International Journal of Cardiology, 2014, 177, e102-e104.	1.7	0
98	Letter by Dandel et al Regarding Article, "Systolic and Diastolic Mechanics in Stress Cardiomyopathy". Circulation, 2015, 131, e369.	1.6	0
99	Letter to the Editor regarding the article "The heart failure burden of type 2 diabetes mellitus" a review of pathophysiology and interventions. Heart Failure Reviews, 2018, 23, 817-818.	3.9	0
100	Benefits of Myocardial Deformation Analysis in Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1387-1388.	1.3	0
101	Abstract 11414: Temporary Right Ventricular Mechanical Support in Addition to a Left Ventricular Assist Device: When is It Required and When is Its Removal Feasible?. Circulation, 2014, 130, .	1.6	0