

# William Hiesinger

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,353  
citations

623734

14  
h-index

361022

35  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early planned institution of biventricular mechanical circulatory support results in improved outcomes compared with delayed conversion of a left ventricular assist device to a biventricular assist device. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, 971-977.	0.8	297
2	Predicting Right Ventricular Failure in the Modern, Continuous Flow Left Ventricular Assist Device Era. <i>Annals of Thoracic Surgery</i> , 2013, 96, 857-864.	1.3	207
3	Single-Cell Transcriptomic Profiling of Vascular Smooth Muscle Cell Phenotype Modulation in Marfan Syndrome Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2195-2211.	2.4	126
4	Type A Aortic Dissection—Experience Over 5 Decades. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1703-1713.	2.8	109
5	An innovative biologic system for photon-powered myocardium in the ischemic heart. <i>Science Advances</i> , 2017, 3, e1603078.	10.3	88
6	Twelfth Interagency Registry for Mechanically Assisted Circulatory Support Report: Readmissions After Left Ventricular Assist Device. <i>Annals of Thoracic Surgery</i> , 2022, 113, 722-737.	1.3	87
7	A Bioengineered Hydrogel System Enables Targeted and Sustained Intramyocardial Delivery of Neuregulin, Activating the Cardiomyocyte Cell Cycle and Enhancing Ventricular Function in a Murine Model of Ischemic Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2014, 7, 619-626.	3.9	53
8	Risk of reoperative valve surgery for endocarditis associated with drug use. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1262-1268.e2.	0.8	34
9	Predicting post-operative right ventricular failure using video-based deep learning. <i>Nature Communications</i> , 2021, 12, 5192.	12.8	32
10	Designing clinically translatable artificial intelligence systems for high-dimensional medical imaging. <i>Nature Machine Intelligence</i> , 2021, 3, 929-935.	16.0	29
11	Donors after circulatory death heart trial. <i>Future Cardiology</i> , 2021, 17, 11-17.	1.2	28
12	The Incremental Value of Right Ventricular Size and Strain in the Risk Assessment of Right Heart Failure Post - Left Ventricular Assist Device Implantation. <i>Journal of Cardiac Failure</i> , 2018, 24, 823-832.	1.7	26
13	Evaluation of Risk Factors for Heart-Lung Transplant Recipient Outcome. <i>Circulation</i> , 2019, 140, 1261-1272.	1.6	21
14	Right ventricular load adaptability metrics in patients undergoing left ventricular assist device implantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1023-1033.e4.	0.8	16
15	Use of patient-specific computational models for optimization of aortic insufficiency after implantation of left ventricular assist device. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1556-1563.	0.8	16
16	Use of direct oral anticoagulants after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 399-401.	0.6	14
17	Outcomes of patients with infection related to a ventricular assist device after heart transplantation. <i>Clinical Transplantation</i> , 2019, 33, e13692.	1.6	12
18	“Cheese Wire” Fenestration of Dissection Intimal Flap to Facilitate Thoracic Endovascular Aortic Repair in Chronic Dissection. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 150-154.e2.	0.5	12

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19	A design-based model of the aortic valve for fluid-structure interaction. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021, 20, 2413-2435.	2.8	12
20	Transplant Outcomes in Destination Therapy Left Ventricular Assist Device Patients. <i>ASAIO Journal</i> , 2020, 66, 394-398.	1.6	11
21	Embryologic Origin Influences Smooth Muscle Cell Phenotypic Modulation Signatures in Murine Marfan Syndrome Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 1154-1168.	2.4	11
22	Operative technique and pitfalls in donor heart procurement. <i>Asian Cardiovascular and Thoracic Annals</i> , 2017, 25, 80-82.	0.5	10
23	Patient-Specific Computational Fluid Dynamics Reveal Localized Flow Patterns Predictive of Post-Left Ventricular Assist Device Aortic Incompetence. <i>Circulation: Heart Failure</i> , 2021, 14, e008034.	3.9	9
24	Impact of Surgical Approach in Double Lung Transplantation: Median Sternotomy vs Clamshell Thoracotomy. <i>Transplantation Proceedings</i> , 2020, 52, 321-325.	0.6	7
25	Long-term survival in patients with post-LVAD right ventricular failure: multi-state modelling with competing outcomes of heart transplant. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 778-785.	0.6	7
26	Extended Static Hypothermic Preservation In Cardiac Transplantation: A Case Report. <i>Transplantation Proceedings</i> , 2021, 53, 2509-2511.	0.6	7
27	Cell transplantation in heart failure: where do we stand in 2016?. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 50, 396-399.	1.4	6
28	Computational Fluid Dynamics Simulations to Predict False Lumen Enlargement After Surgical Repair of Type-A Aortic Dissection. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2022, 34, 443-448.	0.6	6
29	Modeling Effects of Immunosuppressive Drugs on Human Hearts Using Induced Pluripotent Stem Cell-Derived Cardiac Organoids and Single-Cell RNA Sequencing. <i>Circulation</i> , 2022, 145, 1367-1369.	1.6	6
30	Post-Transplant Extracorporeal Membrane Oxygenation for Severe Primary Graft Dysfunction to Support the Use of Marginal Donor Hearts. <i>Transplant International</i> , 2022, 35, 10176.	1.6	6
31	Injectable Bioengineered Hydrogel Therapy in the Treatment of Ischemic Cardiomyopathy. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017, 19, 30.	0.9	5
32	First lung and kidney multi-organ transplant following COVID-19 Infection. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 856-859.	0.6	5
33	Acute Induced Pressure Overload Rapidly Incites Thoracic Aortic Aneurysmal Smooth Muscle Cell Phenotype. <i>Hypertension</i> , 2022, 79, HYPERTENSIONAHA12118640.	2.7	5
34	Prolonged veno-arterial extracorporeal life support for cardiac failure. <i>International Journal of Artificial Organs</i> , 2018, 41, 437-444.	1.4	4
35	The Use of Factor Eight Inhibitor Bypass Activity (FEIBA) for the Treatment of Perioperative Hemorrhage in Left Ventricular Assist Device Implantation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 2651-2658.	1.3	4
36	Impact of using higher-risk donor hearts for candidates with pre-transplant mechanical circulatory support. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 237-243.	0.6	4

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37	Analysis of the revised heart allocation policy and the influence of increased mechanical circulatory support on survival. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2023, 165, 2090-2103.e2.	0.8	4
38	Controlled Comparison of Simulated Hemodynamics Across Tricuspid and Bicuspid Aortic Valves. <i>Annals of Biomedical Engineering</i> , 2022, 50, 1053-1072.	2.5	4
39	Relation of Length of Survival After Orthotopic Heart Transplantation to Age of the Donor. <i>American Journal of Cardiology</i> , 2020, 131, 54-59.	1.6	3
40	Planned Concomitant Left and Right Ventricular Assist Device Insertion to Avoid Long-term Biventricular Mechanical Support: Bridge to Right Ventricular Recovery. <i>Heart Surgery Forum</i> , 2018, 21, E412-E414.	0.5	3
41	Successful Repair of Type A Aortic Dissection in an Octogenarian With Double Aortic Arch. <i>Annals of Thoracic Surgery</i> , 2019, 107, e19-e21.	1.3	2
42	Open-Chest Ablation of Incessant Ventricular Tachycardia During Left Ventricular Assist Device Implantation. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 901-902.	3.2	2
43	RVEX: Right Ventricular External Device for Biomimetic Support and Monitoring of the Right Heart. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	2
44	Ventricular assist device implantation in the elderly. <i>Annals of Cardiothoracic Surgery</i> , 2014, 3, 570-2.	1.7	1
45	A modified implantation technique for temporary right ventricular assist device: Enabling ambulation and less invasive decannulation. <i>Journal of Cardiac Surgery</i> , 2019, 34, 1083-1085.	0.7	0
46	Commentary: Bespoke tricuspid tailoringâ€”bringing patient-specific valve repair to the forgotten valve. <i>JTCVS Techniques</i> , 2021, 10, 296-297.	0.4	0