

Steven Hsu

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,716
citations

331670

21
h-index

302126

39
g-index

54
all docs

54
docs citations

54
times ranked

2141
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulator of G protein signaling 2 mediates cardiac compensation to pressure overload and antihypertrophic effects of PDE5 inhibition in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 408-20.	8.2	171
2	Right Ventricular Functional Reserve in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2016, 133, 2413-2422.	1.6	149
3	Sildenafil Stops Progressive Chamber, Cellular, and Molecular Remodeling and Improves Calcium Handling and Function in Hearts With Pre-Existing Advanced Hypertrophy Caused by Pressure Overload. <i>Journal of the American College of Cardiology</i> , 2009, 53, 207-215.	2.8	144
4	Cell-Free DNA to Detect Heart Allograft Acute Rejection. <i>Circulation</i> , 2021, 143, 1184-1197.	1.6	129
5	Right Ventricular Myofilament Functional Differences in Humans With Systemic Sclerosis-Associated Versus Idiopathic Pulmonary Arterial Hypertension. <i>Circulation</i> , 2018, 137, 2360-2370.	1.6	102
6	Right ventricular afterload sensitivity dramatically increases after left ventricular assist device implantation: A multi-center hemodynamic analysis. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 868-876.	0.6	76
7	Myocardial Remodeling Is Controlled by Myocyte-Targeted Gene Regulation of Phosphodiesterase Type 5. <i>Journal of the American College of Cardiology</i> , 2010, 56, 2021-2030.	2.8	75
8	PDE5 inhibitor efficacy is estrogen dependent in female heart disease. <i>Journal of Clinical Investigation</i> , 2014, 124, 2464-2471.	8.2	67
9	Sustained Soluble Guanylate Cyclase Stimulation Offsets Nitric-Oxide Synthase Inhibition to Restore Acute Cardiac Modulation by Sildenafil. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 380-387.	2.5	48
10	Phosphodiesterase 5 inhibition blocks pressure overload-induced cardiac hypertrophy independent of the calcineurin pathway. <i>Cardiovascular Research</i> , 2008, 81, 301-309.	3.8	44
11	Pressure-overload magnitude-dependence of the anti-hypertrophic efficacy of PDE5A inhibition. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 560-567.	1.9	43
12	Incidence patterns for primary malignant spinal cord gliomas: a Surveillance, Epidemiology, and End Results study. <i>Journal of Neurosurgery: Spine</i> , 2011, 14, 742-747.	1.7	41
13	Multi-Beat Right Ventricular-Arterial Coupling Predicts Clinical Worsening in Pulmonary Arterial Hypertension. <i>Journal of the American Heart Association</i> , 2020, 9, e016031.	3.7	40
14	Pathological Cardiac Hypertrophy Alters Intracellular Targeting of Phosphodiesterase Type 5 From Nitric Oxide Synthase-3 to Natriuretic Peptide Signaling. <i>Circulation</i> , 2012, 126, 942-951.	1.6	39
15	Invasive Right Ventricular Pressure-Volume Analysis: Basic Principles, Clinical Applications, and Practical Recommendations. <i>Circulation: Heart Failure</i> , 2022, 15, CIRCHEARTFAILURE121009101.	3.9	39
16	Hemodynamics for the Heart Failure Clinician: A State-of-the-Art Review. <i>Journal of Cardiac Failure</i> , 2022, 28, 133-148.	1.7	33
17	Heart Rate Dependence of the Pulmonary Resistance x Compliance (RC) Time and Impact on Right Ventricular Load. <i>PLoS ONE</i> , 2016, 11, e0166463.	2.5	32
18	Reduced Right Ventricular Sarcomere Contractility in Heart Failure With Preserved Ejection Fraction and Severe Obesity. <i>Circulation</i> , 2021, 143, 965-967.	1.6	32

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19	Predictors of intra-aortic balloon pump hemodynamic failure in non-acute myocardial infarction cardiogenic shock. <i>American Heart Journal</i> , 2018, 199, 181-191.	2.7	30
20	Pulmonary Arterial Elastance and INTERMACS-Defined Right Heart Failure Following Left Ventricular Assist Device. <i>Circulation: Heart Failure</i> , 2019, 12, e005923.	3.9	28
21	Less invasive surgical implant strategy and right heart failure after LVAD implantation. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 289-297.	0.6	27
22	Impact of Continuous Flow Left Ventricular Assist Device Therapy on Chronic Kidney Disease: A Longitudinal Multicenter Study. <i>Journal of Cardiac Failure</i> , 2020, 26, 333-341.	1.7	22
23	Right ventricular pressure-volume loop shape and systolic pressure change in pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L715-L725.	2.9	21
24	Progress in Understanding, Diagnosing, and Managing Cardiac Complications of Systemic Sclerosis. <i>Current Rheumatology Reports</i> , 2019, 21, 68.	4.7	20
25	Coupling Right Ventricular and Pulmonary Arterial Research to the Pulmonary Hypertension Patient Bedside. <i>Circulation: Heart Failure</i> , 2019, 12, e005715.	3.9	20
26	Single-Beat Estimation of Right Ventricular Contractility and Its Coupling to Pulmonary Arterial Load in Patients With Pulmonary Hypertension. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	19
27	Use of thermodilution cardiac output overestimates diagnoses of exercise-induced pulmonary hypertension. <i>Pulmonary Circulation</i> , 2017, 7, 253-255.	1.7	17
28	Excess Protein O-GlcNAcylation Links Metabolic Derangements to Right Ventricular Dysfunction in Pulmonary Arterial Hypertension. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7278.	4.1	17
29	Pulmonary artery pulsatility index predicts right ventricular myofilament dysfunction in advanced human heart failure. <i>European Journal of Heart Failure</i> , 2021, 23, 339-341.	7.1	16
30	Exercise right ventricular ejection fraction predicts right ventricular contractile reserve. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 504-512.	0.6	15
31	Safety and Utility of Cardiopulmonary Exercise Testing in Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia. <i>Journal of the American Heart Association</i> , 2020, 9, e013695.	3.7	14
32	High Right Ventricular Afterload Is Associated with Impaired Exercise Tolerance in Patients with Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2021, 67, 39-45.	1.6	12
33	Assessment of right ventricular reserve utilizing exercise provocation in systemic sclerosis. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 2137-2147.	1.5	11
34	Higher levels of allograft injury in black patients early after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 855-858.	0.6	11
35	Circulating microRNAs in cellular and antibody-mediated heart transplant rejection. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 1401-1413.	0.6	11
36	Hemodynamic reserve predicts early right heart failure after LVAD implantation. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 1716-1726.	0.6	10

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37	Utilization and outcomes of early respiratory support in 6.5 million acute heart failure hospitalizations. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2020, 6, 72-80.	4.0	9
38	Letter by Tedford et al Regarding Article, "Effective Arterial Elastance in the Pulmonary Arterial Circulation: Derivation, Assumptions, and Clinical Applications" <i>Circulation: Heart Failure</i> , 2020, 13, e007081.	3.9	9
39	Heart transplantation strategies in arrhythmogenic right ventricular cardiomyopathy: a tertiary ARVC centre experience. <i>ESC Heart Failure</i> , 2022, 9, 1008-1017.	3.1	9
40	Quality of Heart Failure Care in the Intensive Care Unit. <i>Journal of Cardiac Failure</i> , 2021, 27, 1111-1125.	1.7	8
41	Causes and outcomes of ICU hospitalisations in patients with pulmonary arterial hypertension. <i>ERJ Open Research</i> , 2022, 8, 00002-2022.	2.6	8
42	Evaluation of criteria for exercise-induced pulmonary hypertension in patients with resting pulmonary hypertension. <i>European Respiratory Journal</i> , 2017, 50, 1700784.	6.7	7
43	Heart transplantation outcomes in arrhythmogenic right ventricular cardiomyopathy: a contemporary national analysis. <i>ESC Heart Failure</i> , 2022, , .	3.1	7
44	Effects of Systemic and Device-Related Complications in Patients Bridged to Transplantation With Left Ventricular Assist Devices. <i>Journal of Surgical Research</i> , 2020, 246, 207-212.	1.6	6
45	Kussmaul's Sign in Pulmonary Hypertension Corresponds With Severe Pulmonary Vascular Pathology Rather Than Right Ventricular Diastolic Dysfunction. <i>Circulation: Heart Failure</i> , 2021, 14, e007461.	3.9	6
46	Respiratory support in acute heart failure with preserved vs reduced ejection fraction. <i>Clinical Cardiology</i> , 2020, 43, 320-328.	1.8	5
47	Late-stage obstruction due to preventative wrapping of left ventricular assist device outflow graft. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 489-490.	1.1	4
48	Right Atrial Pacing to Improve Acute Hemodynamics in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 508-511.	5.6	4
49	Right ventricular function as assessed by cardiac magnetic resonance imaging-derived strain parameters compared to high-fidelity micromanometer catheter measurements. <i>Pulmonary Circulation</i> , 2021, 11, 1-10.	1.7	4
50	Will we be singing a different tune on combined post- and pre-capillary pulmonary hypertension?. <i>European Respiratory Journal</i> , 2018, 51, 1702589.	6.7	2
51	Casting a Spotlight on the Right Ventricle in Systemic Sclerosis. <i>Arthritis and Rheumatology</i> , 2019, 71, 662-663.	5.6	2
52	An Analysis of Waitlist Inactivity Among Patients With Ventricular Assist Devices. <i>Journal of Surgical Research</i> , 2021, 260, 383-390.	1.6	1
53	Crossing the Bridge to Heart Transplantation. <i>JACC: Case Reports</i> , 2020, 2, 173-177.	0.6	0
54	Response by Shah et al to Letter Regarding Article, "Cell-Free DNA to Detect Heart Allograft Acute Rejection" <i>Circulation</i> , 2021, 144, e198-e199.	1.6	0