

# Cullen Buchanan

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,356  
citations

567281

15  
h-index

361022

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1745  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Society of Thoracic Surgeons Intermacs 2020 Annual Report. <i>Annals of Thoracic Surgery</i> , 2021, 111, 778-792.	1.3	406
2	Effect of gravity and microgravity on intracranial pressure. <i>Journal of Physiology</i> , 2017, 595, 2115-2127.	2.9	205
3	Reversing the Cardiac Effects of Sedentary Aging in Middle Age—A Randomized Controlled Trial. <i>Circulation</i> , 2018, 137, 1549-1560.	1.6	135
4	Restoration of Pulsatile Flow Reduces Sympathetic Nerve Activity Among Individuals With Continuous-Flow Left Ventricular Assist Devices. <i>Circulation</i> , 2015, 132, 2316-2322.	1.6	70
5	Body Mass Index and Cardiorespiratory Fitness in Mid-Life and Risk of Heart Failure Hospitalization in Older Age. <i>JACC: Heart Failure</i> , 2017, 5, 367-374.	4.1	69
6	Effect of pulsatile and nonpulsatile flow on cerebral perfusion in patients with left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 1295-1303.	0.6	58
7	Lower body negative pressure to safely reduce intracranial pressure. <i>Journal of Physiology</i> , 2019, 597, 237-248.	2.9	57
8	Stroke Incidence and Impact of Continuous-Flow Left Ventricular Assist Devices on Cerebrovascular Physiology. <i>Stroke</i> , 2019, 50, 542-548.	2.0	39
9	Invasive Right Ventricular Pressure-Volume Analysis: Basic Principles, Clinical Applications, and Practical Recommendations. <i>Circulation: Heart Failure</i> , 2022, 15, CIRCHEARTFAILURE121009101.	3.9	39
10	Right ventricular function and cardiopulmonary performance among patients with heart failure supported by durable mechanical circulatory support devices. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 128-137.	0.6	34
11	New insights into resting and exertional right ventricular performance in the healthy heart through real-time pressure-volume analysis. <i>Journal of Physiology</i> , 2020, 598, 2575-2587.	2.9	33
12	Dynamic Changes in Aortic Vascular Stiffness in Patients Bridged to Transplant With Continuous-Flow Left Ventricular Assist Devices. <i>JACC: Heart Failure</i> , 2017, 5, 449-459.	4.1	31
13	Factors Influencing the Rate of Flow Through Continuous-Flow Left Ventricular Assist Devices at Rest and With Exercise —. <i>JACC: Heart Failure</i> , 2014, 2, 331-334.	4.1	18
14	Right atrial emptying fraction non-invasively predicts mortality in pulmonary hypertension. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1121-1130.	1.5	18
15	Patients With Heart Failure With Reduced Ejection Fraction Have Exaggerated Reductions in Cerebral Blood Flow During Upright Posture —. <i>JACC: Heart Failure</i> , 2015, 3, 176-179.	4.1	17
16	Impairments in Blood Pressure Regulation and Cardiac Baroreceptor Sensitivity Among Patients With Heart Failure Supported With Continuous-Flow Left Ventricular Assist Devices. <i>Circulation: Heart Failure</i> , 2021, 14, e007448.	3.9	14
17	Whole body passive heating versus dynamic lower body exercise: a comparison of peripheral hemodynamic profiles. <i>Journal of Applied Physiology</i> , 2021, 130, 160-171.	2.5	13
18	CrossTalk opposing view: Blood flow pulsatility in left ventricular assist device patients is not essential to maintain normal brain physiology. <i>Journal of Physiology</i> , 2019, 597, 357-359.	2.9	10

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19	Effect of acute and chronic xenon inhalation on erythropoietin, hematological parameters, and athletic performance. <i>Journal of Applied Physiology</i> , 2019, 127, 1503-1510.	2.5	9
20	Continuous-Flow Circulatory Support. <i>Circulation: Heart Failure</i> , 2015, 8, 850-852.	3.9	8
21	Safety, hemodynamic effects, and detection of acute xenon inhalation: rationale for banning xenon from sport. <i>Journal of Applied Physiology</i> , 2019, 127, 1511-1518.	2.5	7
22	Bionic women and men –Part 4: Cardiovascular, cerebrovascular and exercise responses among patients supported with left ventricular assist devices. <i>Experimental Physiology</i> , 2020, 105, 763-766.	2.0	7
23	Reducing intracranial pressure by reducing central venous pressure: assessment of potential countermeasures to spaceflight-associated neuro-ocular syndrome. <i>Journal of Applied Physiology</i> , 2021, 130, 283-289.	2.5	7
24	Bionic women and men –Part 3: Right ventricular dysfunction in patients implanted with left ventricular assist devices. <i>Experimental Physiology</i> , 2020, 105, 759-762.	2.0	6
25	Exercise Capacity in Mechanically Supported Advanced Heart Failure Patients: It Is All About the Beat. <i>ASAIO Journal</i> , 2020, 66, 339-342.	1.6	6
26	Bionic women and men –Part 1: Cardiovascular lessons from heart failure patients implanted with left ventricular assist devices. <i>Experimental Physiology</i> , 2020, 105, 749-754.	2.0	5
27	Impact of Exercise on Cerebrovascular Physiology and Risk of Stroke. <i>Stroke</i> , 2022, 53, 2404-2410.	2.0	5
28	Right ventricular function across the spectrum of health and disease. <i>Heart</i> , 0, , heartjnl-2021-320526.	2.9	5
29	Age-associated reductions in cardiovagal baroreflex sensitivity are exaggerated in middle-aged and older men with low testosterone. <i>Journal of Applied Physiology</i> , 2022, 133, 403-415.	2.5	5
30	Fluid structure interaction model analysis of cerebrospinal fluid circulation in patients with continuous-flow left ventricular assist devices. <i>International Journal of Artificial Organs</i> , 2018, 41, 129-132.	1.4	4
31	The impact of 2 years of high-intensity exercise training on a model of integrated cardiovascular regulation. <i>Journal of Physiology</i> , 2019, 597, 419-429.	2.9	4
32	The Future of Mechanical Circulatory Support. <i>Circulation: Heart Failure</i> , 2021, 14, e008861.	3.9	4
33	Delayed febrile response with bloodstream infections in patients with continuous-flow left ventricular assist devices. <i>Journal of Investigative Medicine</i> , 2019, 67, 653-658.	1.6	3
34	Bionic women and men –Part 2: Arterial stiffness in heart failure patients implanted with left ventricular assist devices. <i>Experimental Physiology</i> , 2020, 105, 755-758.	2.0	3
35	Rebuttal from William K. Cornwell III, Takashi Tarumi, Justin Lawley and Amrut V. Ambardekar. <i>Journal of Physiology</i> , 2019, 597, 363-364.	2.9	1
36	High-intensity exercise and passive hot water immersion cause similar postintervention changes in peripheral and cerebral shear. <i>Journal of Applied Physiology</i> , 2022, 133, 390-402.	2.5	1

#	ARTICLE	IF	CITATIONS
37	Cardiac Emergencies in Patients with Left Ventricular Assist Devices. Heart Failure Clinics, 2020, 16, 295-303.	2.1	0
38	What's Old Is New Again. Annals of Thoracic Surgery, 2022, 114, 167.	1.3	0
39	Cardiovagal Baroreflex Sensitivity is Reduced in Middle-Age and Older Men with Low Testosterone. FASEB Journal, 2020, 34, 1-1.	0.5	0
40	Arterial stiffness, hemodynamics, and microvascular complications in conditions characterized by low arterial pulsatility. , 2022, , 771-779.		0