

# Noah J Marcus

## List of Publications by Year in descending order

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53  
papers

1,356  
citations

331538

21  
h-index

345118

36  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carotid Chemoreceptor Ablation Improves Survival in Heart Failure. <i>Journal of the American College of Cardiology</i> , 2013, 62, 2422-2430.	1.2	167
2	Carotid body denervation improves autonomic and cardiac function and attenuates disordered breathing in congestive heart failure. <i>Journal of Physiology</i> , 2014, 592, 391-408.	1.3	137
3	Chronic intermittent hypoxia augments chemoreflex control of sympathetic activity: Role of the angiotensin II type 1 receptor. <i>Respiratory Physiology and Neurobiology</i> , 2010, 171, 36-45.	0.7	130
4	Role of the Carotid Body in the Pathophysiology of Heart Failure. <i>Current Hypertension Reports</i> , 2013, 15, 356-362.	1.5	66
5	Neuroinflammation in heart failure: new insights for an old disease. <i>Journal of Physiology</i> , 2020, 598, 33-59.	1.3	62
6	Mechanisms of carotid body chemoreflex dysfunction during heart failure. <i>Experimental Physiology</i> , 2015, 100, 124-129.	0.9	58
7	Xanthine Oxidase Inhibition Attenuates Endothelial Dysfunction Caused by Chronic Intermittent Hypoxia in Rats. <i>Respiration</i> , 2011, 82, 458-467.	1.2	53
8	Potential Role of Autonomic Dysfunction in Covid-19 Morbidity and Mortality. <i>Frontiers in Physiology</i> , 2020, 11, 561749.	1.3	49
9	Inhibition of hydrogen sulfide restores normal breathing stability and improves autonomic control during experimental heart failure. <i>Journal of Applied Physiology</i> , 2013, 114, 1141-1150.	1.2	46
10	Contribution of peripheral and central chemoreceptors to sympathoexcitation in heart failure. <i>Journal of Physiology</i> , 2017, 595, 43-51.	1.3	46
11	Simvastatin Treatment Attenuates Increased Respiratory Variability and Apnea/Hypopnea Index in Rats With Chronic Heart Failure. <i>Hypertension</i> , 2014, 63, 1041-1049.	1.3	44
12	Cardiac diastolic and autonomic dysfunction are aggravated by central chemoreflex activation in heart failure with preserved ejection fraction rats. <i>Journal of Physiology</i> , 2017, 595, 2479-2495.	1.3	38
13	Effect of AT1 receptor blockade on intermittent hypoxia-induced endothelial dysfunction. <i>Respiratory Physiology and Neurobiology</i> , 2012, 183, 67-74.	0.7	36
14	Role of the Carotid Body Chemoreflex in the Pathophysiology of Heart Failure: A Perspective from Animal Studies. <i>Advances in Experimental Medicine and Biology</i> , 2015, 860, 167-185.	0.8	35
15	Central role of carotid body chemoreceptors in disordered breathing and cardiorenal dysfunction in chronic heart failure. <i>Frontiers in Physiology</i> , 2014, 5, 438.	1.3	32
16	Time-dependent adaptation in the hemodynamic response to hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2009, 165, 90-96.	0.7	29
17	Exercise training improves cardiac autonomic control, cardiac function, and arrhythmogenesis in rats with preserved-ejection fraction heart failure. <i>Journal of Applied Physiology</i> , 2017, 123, 567-577.	1.2	29
18	Carotid Body-Mediated Chemoreflex Drive in The Setting of low and High Output Heart Failure. <i>Scientific Reports</i> , 2017, 7, 8035.	1.6	29

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19	Time course of intermittent hypoxia-induced impairments in resistance artery structure and function. <i>Respiratory Physiology and Neurobiology</i> , 2010, 170, 157-163.	0.7	28
20	KLF2 mediates enhanced chemoreflex sensitivity, disordered breathing and autonomic dysregulation in heart failure. <i>Journal of Physiology</i> , 2018, 596, 3171-3185.	1.3	24
21	Relevance of the Carotid Body Chemoreflex in the Progression of Heart Failure. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	22
22	Cardiac remodeling and arrhythmogenesis are ameliorated by administration of Cx43 mimetic peptide Gap27 in heart failure rats. <i>Scientific Reports</i> , 2020, 10, 6878.	1.6	22
23	Selective carotid body ablation in experimental heart failure: a new therapeutic tool to improve cardiorespiratory control. <i>Experimental Physiology</i> , 2015, 100, 136-142.	0.9	21
24	Ablation of brainstem C1 neurons improves cardiac function in volume overload heart failure. <i>Clinical Science</i> , 2019, 133, 393-405.	1.8	20
25	Role of neurotransmitter gases in the control of the carotid body in heart failure. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 197-203.	0.7	19
26	Exercise training attenuates chemoreflex-mediated reductions of renal blood flow in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H259-H266.	1.5	18
27	Heart Failure and Carotid Body Chemoreception. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 387-395.	0.8	17
28	Episodic stimulation of central chemoreceptor neurons elicits disordered breathing and autonomic dysfunction in volume overload heart failure. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L27-L40.	1.3	15
29	Rostral ventrolateral medullary catecholaminergic neurones mediate irregular breathing pattern in volume overload heart failure rats. <i>Journal of Physiology</i> , 2019, 597, 5799-5820.	1.3	14
30	Revisiting the physiological effects of exercise training on autonomic regulation and chemoreflex control in heart failure: does ejection fraction matter?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H464-H474.	1.5	11
31	Ventilatory and Autonomic Regulation in Sleep Apnea Syndrome: A Potential Protective Role for Erythropoietin?. <i>Frontiers in Physiology</i> , 2018, 9, 1440.	1.3	9
32	Inhibition of Brainstem Endoplasmic Reticulum Stress Rescues Cardiorespiratory Dysfunction in High Output Heart Failure. <i>Hypertension</i> , 2021, 77, 718-728.	1.3	7
33	Exercise training normalizes renal blood flow responses to acute hypoxia in experimental heart failure: role of the $\beta_1$ -adrenergic receptor. <i>Journal of Applied Physiology</i> , 2016, 120, 334-343.	1.2	6
34	Heart rate variability alterations in infants with spontaneous hypertonia. <i>Pediatric Research</i> , 2019, 86, 77-84.	1.1	6
35	Potential Role of the Retrotrapezoid Nucleus in Mediating Cardio-Respiratory Dysfunction in Heart Failure With Preserved Ejection Fraction. <i>Frontiers in Physiology</i> , 2022, 13, 863963.	1.3	2
36	Medullary astrocytes mediate irregular breathing patterns generation in chronic heart failure through purinergic P2X7 receptor signalling. <i>EBioMedicine</i> , 2022, 80, 104044.	2.7	2

#	ARTICLE	IF	CITATIONS
37	Reply from Noah J. Marcus, Rodrigo Del Rio and Harold D. Schultz. <i>Journal of Physiology</i> , 2014, 592, 1905-1906.	1.3	1
38	Topical Application of Connexin43 Hemichannel Blocker Reduces Carotid Body-Mediated Chemoreflex Drive in Rats. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1071, 61-68.	0.8	1
39	Exercise intolerance in volume overload heart failure is associated with low carotid body mediated chemoreflex drive. <i>Scientific Reports</i> , 2021, 11, 14458.	1.6	1
40	Heart rate and cardiac autonomic responses to concomitant deep breathing, hand grip exercise, and circulatory occlusion in healthy young adult men and women. <i>Biological Research</i> , 2021, 54, 32.	1.5	1
41	Differential effects of chronic intermittent versus continuous hypoxia on cardiovascular function and skeletal muscle resistance arteries. <i>FASEB Journal</i> , 2007, 21, A824.	0.2	1
42	Effect of AT1 receptor blockade on intermittent hypoxia-induced endothelial dysfunction. <i>FASEB Journal</i> , 2010, 24, 1022.7.	0.2	1
43	Carotid Body Denervation Attenuates Oscillations in Respiratory Rate and Sympathetic Nerve Activity, and Decreases Apnea/Hypopnea Index in Congestive Heart Failure. <i>FASEB Journal</i> , 2013, 27, 1137.7.	0.2	1
44	Carotid body ablation in heart failure: A new pathway for rescuing autonomic balance. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015, 192, 16-17.	1.4	0
45	Aberrant reflex mechanisms contributing to renal hypertension: a pain in the neck?. <i>Journal of Physiology</i> , 2016, 594, 6075-6076.	1.3	0
46	Fat feeding facilitates hot bodies, but is resistance futile?. <i>Journal of Physiology</i> , 2018, 596, 2953-2954.	1.3	0
47	Medullary Astrocytes Mediate Irregular Breathing Patterns Generation in Chronic Heart Failure Through Purinergic P2X7 Receptor Signalling. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
48	Simvastatin Treatment Attenuates Increased Respiratory Variability and Apnea/Hypopnea Index in Rats with Congestive Heart Failure. <i>FASEB Journal</i> , 2012, 26, 1b829.	0.2	0
49	Hydrogen sulfide contributes to the enhanced chemoreflex ventilatory response to acute hypoxia in heart failure rats. <i>FASEB Journal</i> , 2012, 26, 894.20.	0.2	0
50	Carotid body ablation improves survival, breathing disorders and autonomic control in heart failure rats. <i>FASEB Journal</i> , 2013, 27, 699.6.	0.2	0
51	Peripheral Chemoreceptor Ablation Modulates Renal miR-155/KLF4 Expression in Chronic Heart Failure. <i>FASEB Journal</i> , 2018, 32, 1b475.	0.2	0
52	Chronic Intermittent Hypoxia is Associated with Sustained Reduction in Renal Blood Flow and Downregulation of Renal KLF2. <i>FASEB Journal</i> , 2019, 33, 748.9.	0.2	0
53	Chronic Intermittent Hypoxia Promotes Glomerular Hyperfiltration, Reductions in Renal Blood Flow, and Upregulation of Renal A2B Receptor Expression. <i>FASEB Journal</i> , 2019, 33, 748.8.	0.2	0