

David J Polhemus

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,110
citations

411340

20
h-index

591227

27
g-index

27
all docs

27
docs citations

27
times ranked

3095
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Göttingen Miniswine Model of Heart Failure With Preserved Ejection Fraction Integrating Multiple Comorbidities. <i>JACC Basic To Translational Science</i> , 2021, 6, 154-170.	1.9	24
2	Hydrogen Sulfide as a Potential Therapy for Heart Failure—Past, Present, and Future. <i>Antioxidants</i> , 2021, 10, 485.	2.2	19
3	Endothelial Cell Cystathionine β -Lyase Expression Level Modulates Exercise Capacity, Vascular Function, and Myocardial Ischemia Reperfusion Injury. <i>Journal of the American Heart Association</i> , 2020, 9, e017544.	1.6	27
4	Nonlethal Inhibition of Gut Microbial Trimethylamine N-Oxide Production Improves Cardiac Function and Remodeling in a Murine Model of Heart Failure. <i>Journal of the American Heart Association</i> , 2020, 9, e016223.	1.6	61
5	Repeated cell transplantation and adjunct renal denervation in ischemic heart failure: exploring modalities for improving cell therapy efficacy. <i>Basic Research in Cardiology</i> , 2019, 114, 9.	2.5	8
6	Effects of a novel hydrogen sulfide prodrug in a porcine model of acute limb ischemia. <i>Journal of Vascular Surgery</i> , 2019, 69, 1924-1935.	0.6	26
7	Combined Angiotensin Receptor–Neprilysin Inhibitors Improve Cardiac and Vascular Function Via Increased NO Bioavailability in Heart Failure. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	38
8	A novel mtDNA repair fusion protein attenuates maladaptive remodeling and preserves cardiac function in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H311-H321.	1.5	14
9	Renal Denervation Prevents Heart Failure Progression Via Inhibition of the Renin-Angiotensin System. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2609-2621.	1.2	84
10	Hydrogen Sulfide Attenuates Renin–Angiotensin and Aldosterone Pathological Signaling to Preserve Kidney Function and Improve Exercise Tolerance in Heart Failure. <i>JACC Basic To Translational Science</i> , 2018, 3, 796-809.	1.9	28
11	Evolution of Hydrogen Sulfide Therapeutics to Treat Cardiovascular Disease. <i>Circulation Research</i> , 2018, 123, 590-600.	2.0	101
12	Renal Sympathetic Denervation Protects the Failing Heart Via Inhibition of Neprilysin Activity in the Kidney. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2139-2153.	1.2	69
13	Vasomotor Function Comparative Assessment at 1 and 2 Years Following Implantation of the Absorb Everolimus-Eluting Bioresorbable Vascular Scaffold and the Xience Everolimus-Eluting Metallic Stent in Porcine Coronary Arteries. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 728-741.	1.1	26
14	Restoration of Hydrogen Sulfide Production in Diabetic Mice Improves Reparative Function of Bone Marrow Cells. <i>Circulation</i> , 2016, 134, 1467-1483.	1.6	45
15	Zofenopril Protects Against Myocardial Ischemia–Reperfusion Injury by Increasing Nitric Oxide and Hydrogen Sulfide Bioavailability. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	63
16	Radiofrequency Renal Denervation Protects the Ischemic Heart via Inhibition of GRK2 and Increased Nitric Oxide Signaling. <i>Circulation Research</i> , 2016, 119, 470-480.	2.0	38
17	Choline Diet and Its Gut Microbe–Derived Metabolite, Trimethylamine N-Oxide, Exacerbate Pressure Overload–Induced Heart Failure. <i>Circulation: Heart Failure</i> , 2016, 9, e002314.	1.6	265
18	Analysis of erectile responses to H ₂ S donors in the anesthetized rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H835-H843.	1.5	18

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19	Sustained release nitrite therapy results in myocardial protection in a porcine model of metabolic syndrome with peripheral vascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H305-H317.	1.5	13
20	A Novel Hydrogen Sulfide Prodrug, <sc>SG</sc> 1002, Promotes Hydrogen Sulfide and Nitric Oxide Bioavailability in Heart Failure Patients. <i>Cardiovascular Therapeutics</i> , 2015, 33, 216-226.	1.1	125
21	Hydrogen Sulfide Levels and Nuclear Factor- κ B Activity Are Attenuated in the Setting of Critical Limb Ischemia (CLI). <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	51
22	Therapeutic potential of sustained-release sodium nitrite for critical limb ischemia in the setting of metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H82-H92.	1.5	15
23	Hydrogen sulfide cytoprotective signaling is endothelial nitric oxide synthase-nitric oxide dependent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3182-3187.	3.3	301
24	The Cardioprotective Actions of Hydrogen Sulfide in Acute Myocardial Infarction and Heart Failure. <i>Scientifica</i> , 2014, 2014, 1-8.	0.6	72
25	Emergence of Hydrogen Sulfide as an Endogenous Gaseous Signaling Molecule in Cardiovascular Disease. <i>Circulation Research</i> , 2014, 114, 730-737.	2.0	370
26	Nitrite Therapy Improves Left Ventricular Function During Heart Failure via Restoration of Nitric Oxide-Mediated Cytoprotective Signaling. <i>Circulation Research</i> , 2014, 114, 1281-1291.	2.0	63
27	Hydrogen Sulfide Attenuates Cardiac Dysfunction After Heart Failure Via Induction of Angiogenesis. <i>Circulation: Heart Failure</i> , 2013, 6, 1077-1086.	1.6	146