

Bradley A Maron

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

3,381
citations

31
h-index

56
g-index

125
ext. papers

4,414
ext. citations

8.5
avg, IF

5.63
L-index

#	Paper	IF	Citations
101	Genetic Misdiagnoses and the Potential for Health Disparities. <i>New England Journal of Medicine</i> , 2016 , 375, 655-65	59.2	394
100	Aldosterone impairs vascular reactivity by decreasing glucose-6-phosphate dehydrogenase activity. <i>Nature Medicine</i> , 2007 , 13, 189-97	50.5	269
99	MicroRNA-21 integrates pathogenic signaling to control pulmonary hypertension: results of a network bioinformatics approach. <i>Circulation</i> , 2012 , 125, 1520-32	16.7	207
98	The treatment of hyperhomocysteinemia. <i>Annual Review of Medicine</i> , 2009 , 60, 39-54	17.4	195
97	Association of Borderline Pulmonary Hypertension With Mortality and Hospitalization in a Large Patient Cohort: Insights From the Veterans Affairs Clinical Assessment, Reporting, and Tracking Program. <i>Circulation</i> , 2016 , 133, 1240-8	16.7	167
96	Aldosterone inactivates the endothelin-B receptor via a cysteinyl thiol redox switch to decrease pulmonary endothelial nitric oxide levels and modulate pulmonary arterial hypertension. <i>Circulation</i> , 2012 , 126, 963-74	16.7	141
95	The invasive cardiopulmonary exercise test. <i>Circulation</i> , 2013 , 127, 1157-64	16.7	90
94	Aldosterone increases oxidant stress to impair guanylyl cyclase activity by cysteinyl thiol oxidation in vascular smooth muscle cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 7665-72	5.4	82
93	Effectiveness of spironolactone plus ambrisentan for treatment of pulmonary arterial hypertension (from the [ARIES] study 1 and 2 trials). <i>American Journal of Cardiology</i> , 2013 , 112, 720-5	3	79
92	The role of the renin-angiotensin-aldosterone system in the pathobiology of pulmonary arterial hypertension (2013 Grover Conference series). <i>Pulmonary Circulation</i> , 2014 , 4, 200-10	2.7	74
91	Plasma aldosterone levels are elevated in patients with pulmonary arterial hypertension in the absence of left ventricular heart failure: a pilot study. <i>European Journal of Heart Failure</i> , 2013 , 15, 277-83 ^{12.3}		74
90	Prognostic Effect and Longitudinal Hemodynamic Assessment of Borderline Pulmonary Hypertension. <i>JAMA Cardiology</i> , 2017 , 2, 1361-1368	16.2	72
89	Diagnosis, Treatment, and Clinical Management of Pulmonary Arterial Hypertension in the Contemporary Era: A Review. <i>JAMA Cardiology</i> , 2016 , 1, 1056-1065	16.2	71
88	S-nitrosothiols and the S-nitrosoproteome of the cardiovascular system. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 270-87	8.4	69
87	Aldosterone receptor antagonists: effective but often forgotten. <i>Circulation</i> , 2010 , 121, 934-9	16.7	65
86	Emerging Concepts in the Molecular Basis of Pulmonary Arterial Hypertension: Part II: Neurohormonal Signaling Contributes to the Pulmonary Vascular and Right Ventricular Pathophenotype of Pulmonary Arterial Hypertension. <i>Circulation</i> , 2015 , 131, 2079-91	16.7	61
85	Moving Beyond the Sarcomere to Explain Heterogeneity in Hypertrophic Cardiomyopathy: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1978-1986	15.1	59

84	PVDOMICS: A Multi-Center Study to Improve Understanding of Pulmonary Vascular Disease Through Phenomics. <i>Circulation Research</i> , 2017 , 121, 1136-1139	15.7	58
83	Protocol for exercise hemodynamic assessment: performing an invasive cardiopulmonary exercise test in clinical practice. <i>Pulmonary Circulation</i> , 2015 , 5, 610-8	2.7	53
82	NEDD9 targets to promote endothelial fibrosis and pulmonary arterial hypertension. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	52
81	Subcellular localization of oxidants and redox modulation of endothelial nitric oxide synthase. <i>Circulation Journal</i> , 2012 , 76, 2497-512	2.9	50
80	Intratracheal Gene Delivery of SERCA2a Ameliorates Chronic Post-Capillary Pulmonary Hypertension: A Large Animal Model. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 2032-46	15.1	48
79	Thermodilution vs Estimated Fick Cardiac Output Measurement in Clinical Practice: An Analysis of Mortality From the Veterans Affairs Clinical Assessment, Reporting, and Tracking (VA CART) Program and Vanderbilt University. <i>JAMA Cardiology</i> , 2017 , 2, 1090-1099	16.2	47
78	Clinical profile and underdiagnosis of pulmonary hypertension in US veteran patients. <i>Circulation: Heart Failure</i> , 2013 , 6, 906-12	7.6	45
77	Upregulation of steroidogenic acute regulatory protein by hypoxia stimulates aldosterone synthesis in pulmonary artery endothelial cells to promote pulmonary vascular fibrosis. <i>Circulation</i> , 2014 , 130, 168-79	16.7	41
76	Pulmonary vascular resistance and clinical outcomes in patients with pulmonary hypertension: a retrospective cohort study. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 873-884	35.1	41
75	The application of big data to cardiovascular disease: paths to precision medicine. <i>Journal of Clinical Investigation</i> , 2020 , 130, 29-38	15.9	34
74	Immunoglobulin-driven Complement Activation Regulates Proinflammatory Remodeling in Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 224-239	10.2	34
73	Mild Pulmonary Hypertension Is Associated With Increased Mortality: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , 2018 , 7, e009729	6	34
72	Translational Advances in the Field of Pulmonary Hypertension. Focusing on Developmental Origins and Disease Inception for the Prevention of Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 292-301	10.2	32
71	Association of Mild Echocardiographic Pulmonary Hypertension With Mortality and Right Ventricular Function. <i>JAMA Cardiology</i> , 2019 , 4, 1112-1121	16.2	31
70	Functional impact of exercise pulmonary hypertension in patients with borderline resting pulmonary arterial pressure. <i>Pulmonary Circulation</i> , 2017 , 7, 654-665	2.7	30
69	Network Analysis to Risk Stratify Patients With Exercise Intolerance. <i>Circulation Research</i> , 2018 , 122, 864-876	15.7	29
68	Mechanism of Progressive Heart Failure and Significance of Pulmonary Hypertension in Obstructive Hypertrophic Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2017 , 10, e003689	7.6	28
67	Up-regulation of the mammalian target of rapamycin complex 1 subunit Raptor by aldosterone induces abnormal pulmonary artery smooth muscle cell survival patterns to promote pulmonary arterial hypertension. <i>FASEB Journal</i> , 2016 , 30, 2511-27	0.9	28

66	The heterogeneity of clinical practice patterns among an international cohort of pulmonary arterial hypertension experts. <i>Pulmonary Circulation</i> , 2014 , 4, 441-51	2.7	27
65	Redefining pulmonary hypertension. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 168-170	35.1	26
64	MicroRNA Dysregulation in Pulmonary Arteries from Chronic Obstructive Pulmonary Disease. Relationships with Vascular Remodeling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 59, 490-499	5.7	23
63	Paradoxical embolism. <i>Circulation</i> , 2010 , 122, 1968-72	16.7	22
62	Cardiopulmonary Hemodynamics in Pulmonary Hypertension and Heart Failure: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 2671-2681	15.1	19
61	Individualized interactomes for network-based precision medicine in hypertrophic cardiomyopathy with implications for other clinical pathophenotypes. <i>Nature Communications</i> , 2021 , 12, 873	17.4	18
60	Homocysteine. <i>Clinics in Laboratory Medicine</i> , 2006 , 26, 591-609, vi	2.1	16
59	Pulmonary hypertension: pathophysiology and signaling pathways. <i>Handbook of Experimental Pharmacology</i> , 2013 , 218, 31-58	3.2	16
58	Should hyperhomocysteinemia be treated in patients with atherosclerotic disease?. <i>Current Atherosclerosis Reports</i> , 2007 , 9, 375-83	6	15
57	A Concerning Trend for Patients With Pulmonary Hypertension in the Era of Evidence-Based Medicine. <i>Circulation</i> , 2019 , 139, 1861-1864	16.7	14
56	Building the case for novel clinical trials in pulmonary arterial hypertension. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2015 , 8, 114-23	5.8	14
55	Echocardiographic predictors of mortality in patients with pulmonary hypertension and cardiopulmonary comorbidities. <i>PLoS ONE</i> , 2015 , 10, e0119277	3.7	13
54	Sex-based differences in veterans with pulmonary hypertension: Results from the veterans affairs-clinical assessment reporting and tracking database. <i>PLoS ONE</i> , 2017 , 12, e0187734	3.7	13
53	Pulmonary Arterial Hypertension: Diagnosis, Treatment, and Novel Advances. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 1472-1487	10.2	13
52	Impact of the New Pulmonary Hypertension Definition on Heart Transplant Outcomes: Expanding the Hemodynamic Risk Profile. <i>Chest</i> , 2020 , 157, 151-161	5.3	12
51	Mineralocorticoid receptor antagonists and endothelial function. <i>Current Opinion in Investigational Drugs</i> , 2008 , 9, 963-9		11
50	Circulating NEDD9 is increased in pulmonary arterial hypertension: A multicenter, retrospective analysis. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 289-299	5.8	10
49	Elevated pulmonary arterial and systemic plasma aldosterone levels associate with impaired cardiac reserve capacity during exercise in left ventricular systolic heart failure patients: A pilot study. <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, 342-351	5.8	10

48	Role of Pulmonary Artery Wedge Pressure Saturation During Right Heart Catheterization: A Prospective Study. <i>Circulation: Heart Failure</i> , 2020 , 13, e007981	7.6	9
47	Clinical epigenetics settings for cancer and cardiovascular diseases: real-life applications of network medicine at the bedside. <i>Clinical Epigenetics</i> , 2021 , 13, 66	7.7	9
46	Relation of Doppler Tissue Imaging Parameters With Heart Failure Progression in Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2016 , 117, 1808-14	3	9
45	H2 Receptor Antagonist Use and Mortality in Pulmonary Hypertension: Insight from the VA-CART Program. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 1638-1641	10.2	8
44	Study design and rationale for investigating phosphodiesterase type 5 inhibition for the treatment of pulmonary hypertension due to chronic obstructive lung disease: the TADA-PHiLD (TADAlafil for Pulmonary Hypertension associated with chronic obstructive Lung Disease) trial. <i>Pulmonary Circulation</i> , 2013 , 3, 889-97	2.7	8
43	Inflammation, immunity, and vascular remodeling in pulmonary hypertension; Evidence for complement involvement?. <i>Global Cardiology Science & Practice</i> , 2020 , 2020, e202001	0.7	8
42	Hemodynamics should be the primary approach to diagnosing, following, and managing pulmonary arterial hypertension. <i>Canadian Journal of Cardiology</i> , 2015 , 31, 515-20	3.8	7
41	What's in a side effect? The association between pulmonary vasodilator adverse drug events and clinical outcomes in patients with pulmonary arterial hypertension. <i>International Journal of Cardiology</i> , 2017 , 240, 386-391	3.2	6
40	Mildly increased pulmonary arterial pressure: a new disease entity or just a marker of poor prognosis?. <i>European Journal of Heart Failure</i> , 2019 , 21, 1057-1061	12.3	6
39	Protocol for vasoreactivity testing with epoprostenol in pulmonary hypertension. <i>Critical Pathways in Cardiology</i> , 2012 , 11, 40-2	1.3	6
38	Claims-Based Algorithms for Identifying Patients With Pulmonary Hypertension: A Comparison of Decision Rules and Machine-Learning Approaches. <i>Journal of the American Heart Association</i> , 2020 , 9, e016648	6	6
37	Network medicine in Cardiovascular Research. <i>Cardiovascular Research</i> , 2021 , 117, 2186-2202	9.9	6
36	A global network for network medicine. <i>Npj Systems Biology and Applications</i> , 2020 , 6, 29	5	6
35	Career Development of Young Physician-Scientists in the Cardiovascular Sciences: Perspective and Advice From the Early Career Committee of the Cardiopulmonary, Critical Care, and Resuscitation Council of the American Heart Association. <i>Circulation Research</i> , 2018 , 122, 1330-1333	15.7	5
34	Explaining unexplained dyspnea: the ever "holesome" heart. <i>Circulation</i> , 2014 , 130, 2057-66	16.7	5
33	Endothelin-1, cardiac morphology, and heart failure: the MESA angiogenesis study. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 45-52	5.8	5
32	Isolating pulmonary microvascular endothelial cells ex vivo: Implications for pulmonary arterial hypertension, and a caution on the use of commercial biomaterials. <i>PLoS ONE</i> , 2019 , 14, e0211909	3.7	4
31	Factors Associated With Potentially Inappropriate Phosphodiesterase-5 Inhibitor Use for Pulmonary Hypertension in the United States, 2006 to 2015. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2020 , 13, e005993	5.8	4

30	Perspectives on Cardiopulmonary Critical Care for Patients With COVID-19: From Members of the American Heart Association Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation. <i>Journal of the American Heart Association</i> , 2020 , 9, e017111	6	4
29	Pulmonary vascular and ventricular dysfunction in the susceptible patient (2015 Grover Conference series). <i>Pulmonary Circulation</i> , 2016 , 6, 426-438	2.7	4
28	Towards widespread noninvasive assessment of pulmonary vascular resistance in clinical practice. <i>Journal of the American Society of Echocardiography</i> , 2014 , 27, 108-9	5.8	4
27	Renin-Angiotensin-Aldosterone System Inhibitor Use and Mortality in Pulmonary Hypertension: Insights From the Veterans Affairs Clinical Assessment Reporting and Tracking Database. <i>Chest</i> , 2021 , 159, 1586-1597	5.3	4
26	Quantification of Arterial and Venous Morphologic Markers in Pulmonary Arterial Hypertension Using CT Imaging. <i>Chest</i> , 2021 , 160, 2220-2231	5.3	4
25	Cardiovascular Diseases That Have Emerged From the Darkness. <i>Journal of the American Heart Association</i> , 2021 , 10, e021095	6	3
24	Elevated pulmonary vascular resistance predicts mortality in COPD patients. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	3
23	NEDD9 Is a Novel and Modifiable Mediator of Platelet-Endothelial Adhesion in the Pulmonary Circulation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 1533-1545	10.2	3
22	Harnessing Big Data to Advance Treatment and Understanding of Pulmonary Hypertension.. <i>Circulation Research</i> , 2022 , 130, 1423-1444	15.7	3
21	Association between Pulmonary Hypertension and Clinical Outcomes in Hospitalized Patients with Sickle Cell Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 534-537	10.2	2
20	Integrating haemodynamics identifies an extreme pulmonary hypertension phenotype. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	2
19	Mildly elevated pulmonary artery systolic pressure on echocardiography: bridging the gap in current guidelines. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 1185-1191	35.1	2
18	Back to the Future: Building Up the Case for Exploring Red Blood Cell Morphology in Pulmonary Arterial Hypertension. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 548-550	4.7	1
17	Segmental Arterial Mediolytic: An Important but Often Overlooked Cause of Multi-Vessel Thrombosis. <i>American Journal of Medicine</i> , 2018 , 131, e231-e234	2.4	1
16	Emerging hemodynamic signatures of the right heart (Third International Right Heart Failure Summit, part 2). <i>Pulmonary Circulation</i> , 2014 , 4, 705-16	2.7	1
15	Pulmonary arterial hypertension: Cellular and molecular changes in the lung. <i>Global Cardiology Science & Practice</i> , 2020 , 2020, e202003	0.7	1
14	Raptor activation by aldosterone promotes apoptosis resistance in pulmonary artery smooth muscle cells to modulate adverse pulmonary vascular remodeling in pulmonary arterial hypertension. <i>FASEB Journal</i> , 2013 , 27, 1199.1	0.9	1
13	Outcomes of pulmonary vasodilator use in Veterans with pulmonary hypertension associated with left heart disease and lung disease. <i>Pulmonary Circulation</i> , 2021 , 11, 20458940211001714	2.7	1

12	Diagnosis and Treatment of Right Heart Failure in Pulmonary Vascular Diseases: A National Heart, Lung, and Blood Institute Workshop. <i>Circulation: Heart Failure</i> , 2021 , 14,	7.6	1
11	Chronic Thromboembolic Pulmonary Hypertension: the Bench. <i>Current Cardiology Reports</i> , 2021 , 23, 1414.2	4.2	1
10	Chronic Thromboembolic Pulmonary Hypertension: the Bedside. <i>Current Cardiology Reports</i> , 2021 , 23, 147	4.2	1
9	Usefulness of ventilatory inefficiency in predicting prognosis across the heart failure spectrum.. <i>ESC Heart Failure</i> , 2021 ,	3.7	1
8	Correspondence on the debate regarding the haemodynamic definition of pulmonary hypertension. <i>European Respiratory Journal</i> , 2019 , 53,	13.6	0
7	Tadalafil for veterans with chronic obstructive pulmonary disease-pulmonary hypertension: A multicenter, placebo-controlled randomized trial.. <i>Pulmonary Circulation</i> , 2022 , 12, e12043	2.7	0
6	Pulmonary arterial hypertension: Rationale for using multiple vs. single drug therapy. <i>Global Cardiology Science & Practice</i> , 2020 , 2020, e202008	0.7	0
5	Pulmonary arterial hypertension: Rationale for using multiple vs. single drug therapy. <i>Global Cardiology Science & Practice</i> , 2020 , 2020, e202008	0.7	
4	Diagnostic Assessment of the Pulmonary Hypertension Patient. <i>Advances in Pulmonary Hypertension</i> , 2018 , 16, 112-119	0.5	
3	Aldosterone Activates Autophagy To Increase Fibroblast Collagen Synthesis and Vascular Stiffness. <i>FASEB Journal</i> , 2013 , 27, 1188.9	0.9	
2	Adjusting to the New Normal: Echocardiography to Find Pulmonary Hypertension. <i>EClinicalMedicine</i> , 2021 , 35, 100867	11.3	
1	Reply: Can treprostinil-induced early gastrointestinal side effects serve as predictors of pulmonary arterial hypertension prognosis?. <i>International Journal of Cardiology</i> , 2018 , 264, 188	3.2	