

# Matthew C Hyman

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

2,955  
citations

430874

18  
h-index

168389

53  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. <i>Nature Medicine</i> , 2003, 9, 61-67.	30.7	931
2	COVID-19 and cardiac arrhythmias. <i>Heart Rhythm</i> , 2020, 17, 1439-1444.	0.7	331
3	Comprehensive quantification of fuel use by the failing and nonfailing human heart. <i>Science</i> , 2020, 370, 364-368.	12.6	276
4	Critical Role of Macrophage 12/15-Lipoxygenase for Atherosclerosis in Apolipoprotein Eâ€“Deficient Mice. <i>Circulation</i> , 2004, 110, 2024-2031.	1.6	189
5	Conscious Sedation Versus General Anesthesia for Transcatheter Aortic Valve Replacement. <i>Circulation</i> , 2017, 136, 2132-2140.	1.6	184
6	Molecular regulation of the PAIâ€“1 gene by hypoxia: contributions of Egrâ€“1, HIFâ€“1 Î±, and C/EBPÎ±. <i>FASEB Journal</i> , 2007, 21, 935-949.	0.5	104
7	Self-regulation of inflammatory cell trafficking in mice by the leukocyte surface apyrase CD39. <i>Journal of Clinical Investigation</i> , 2009, 119, 1136-1149.	8.2	104
8	cAMP/CREB-mediated Transcriptional Regulation of Ectonucleoside Triphosphate Diphosphohydrolase 1 (CD39) Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 14791-14805.	3.4	76
9	Heterotopic vascularized murine cardiac transplantation to study graft arteriopathy. <i>Nature Protocols</i> , 2007, 2, 471-480.	12.0	59
10	Class IC antiarrhythmic drugs for suspected premature ventricular contractionâ€“induced cardiomyopathy. <i>Heart Rhythm</i> , 2018, 15, 159-163.	0.7	59
11	Tissue-Resident Ecto-5â€“Nucleotidase (CD73) Regulates Leukocyte Trafficking in the Ischemic Brain. <i>Journal of Immunology</i> , 2012, 188, 2387-2398.	0.8	56
12	Genetics of height and risk of atrial fibrillation: A Mendelian randomization study. <i>PLoS Medicine</i> , 2020, 17, e1003288.	8.4	51
13	Flow-dependent expression of ectonucleotide tri(di)phosphohydrolase-1 and suppression of atherosclerosis. <i>Journal of Clinical Investigation</i> , 2015, 125, 3027-3036.	8.2	47
14	Increased CD39 Nucleotidase Activity on Microparticles from Patients with Idiopathic Pulmonary Arterial Hypertension. <i>PLoS ONE</i> , 2012, 7, e40829.	2.5	43
15	Purnergic dysregulation in pulmonary hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H286-H298.	3.2	35
16	Durability of posterior wall isolation after catheter ablation among patients with recurrent atrial fibrillation. <i>Heart Rhythm</i> , 2020, 17, 1740-1744.	0.7	34
17	Active esophageal cooling for the prevention of thermal injury during atrial fibrillation ablation: a randomized controlled pilot study. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022, 63, 197-205.	1.3	30
18	Evaluation of Radiofrequency Ablationâ€“Irrigation Type. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 684-692.	3.2	24

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19	Ectonucleotidase CD39-driven control of postinfarction myocardial repair and rupture. <i>JCI Insight</i> , 2017, 2, e89504.	5.0	20
20	Plasma biomarkers associated with adverse outcomes in patients with calcific aortic stenosis. <i>European Journal of Heart Failure</i> , 2021, 23, 2021-2032.	7.1	18
21	Effect of Transcutaneous Magnetic Stimulation in Patients With Ventricular Tachycardia Storm. <i>JAMA Cardiology</i> , 2022, 7, 445.	6.1	18
22	Tuning the Thromboinflammatory Response to Venous Flow Interruption by the Ectonucleotidase CD39. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, e118-e129.	2.4	16
23	Genetically Predicted Blood Pressure and Risk of Atrial Fibrillation. <i>Hypertension</i> , 2021, 77, 376-382.	2.7	16
24	Septal Versus Lateral Mitral Isthmus Ablation for Treatment of Mitral Annular Flutter. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 1292-1299.	3.2	14
25	Strategies for Catheter Ablation of Left Ventricular Papillary Muscle Arrhythmias. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 1381-1392.	3.2	14
26	Impact of left atrial posterior wall isolation on arrhythmia outcomes in patients with atrial fibrillation undergoing repeat ablation. <i>Heart Rhythm O2</i> , 2021, 2, 489-497.	1.7	14
27	Impact of a nurse-led limited risk factor modification program on arrhythmia outcomes in patients with atrial fibrillation undergoing catheter ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 423-431.	1.7	13
28	Myocardial Substrate Characterization by CMR T1 Mapping in Patients With NICM and No LGE Undergoing Catheter Ablation of VT. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 831-840.	3.2	13
29	Incidence of Left Atrial Appendage Triggers in Patients With Atrial Fibrillation Undergoing Catheter Ablation. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 21-30.	3.2	12
30	Long-Term Outcome of Catheter Ablation for Treatment of Bundle Branch Re-Entrant Tachycardia. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 331-338.	3.2	11
31	Electrocardiographic and Electrophysiologic Characteristics of Idiopathic Ventricular Arrhythmias Originating From the Basal Inferoseptal Left Ventricle. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 833-842.	3.2	11
32	P-wave morphology and multipolar intracardiac atrial activation to facilitate nonpulmonary vein trigger localization. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 865-876.	1.7	10
33	Outcomes of Percutaneous Transcatheter Right Atrial Access to the Left Ventricle for Catheter Ablation of Ventricular Tachycardia in Patients With Mechanical Aortic and Mitral Valves. <i>JAMA Cardiology</i> , 2021, 6, 326.	6.1	10
34	QRS morphology in lead V1 for the rapid localization of idiopathic ventricular arrhythmias originating from the left ventricular papillary muscles: A novel electrocardiographic criterion. <i>Heart Rhythm</i> , 2020, 17, 1711-1718.	0.7	10
35	Stroke, Timing of Atrial Fibrillation Diagnosis, and Risk of Death. <i>Neurology</i> , 2021, 96, e1655-e1662.	1.1	9
36	PRECAF Randomized Controlled Trial. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e008993.	4.8	7

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37	Impact of Left Atrial Bipolar Electrogram Voltage on First Pass Pulmonary Vein Isolation During Radiofrequency Catheter Ablation. <i>Frontiers in Physiology</i> , 2020, 11, 594654.	2.8	7
38	Post-cardiac arrest evaluation: understanding non-shockable rhythms. <i>European Heart Journal</i> , 2019, 40, 3835-3837.	2.2	6
39	COVID-19 and electrophysiology procedures—review, reset, reboot!!!. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2020, 59, 303-305.	1.3	6
40	Persistent Opioid Use After Cardiac Implantable Electronic Device Procedures. <i>Circulation</i> , 2021, 144, 1590-1597.	1.6	6
41	Utility of Prolonged Duration Endocardial Ablation for Ventricular Arrhythmias Originating From the Left Ventricular Summit. <i>JACC: Clinical Electrophysiology</i> , 2022, 8, 465-476.	3.2	6
42	Feasibility of complex transfemoral electrophysiology procedures in patients with inferior vena cava filters. <i>Heart Rhythm</i> , 2019, 16, 873-878.	0.7	5
43	Non-Scar-Related and Purkinje-Related Ventricular Tachycardia in Patients With Structural Heart Disease. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 231-240.	3.2	4
44	Periprocedural Acute Kidney Injury in Patients With Structural Heart Disease Undergoing Catheter Ablation of VT. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 174-186.	3.2	4
45	Interatrial septal tachycardias following atrial fibrillation ablation or cardiac surgery: Electrophysiological features and ablation outcomes. <i>Heart Rhythm</i> , 2021, 18, 1491-1499.	0.7	4
46	Substrate Characterization and Outcome of Catheter Ablation of Ventricular Tachycardia in Patients With Nonischemic Cardiomyopathy and Isolated Epicardial Scar. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, CIRCEP121010279.	4.8	4
47	Characterization of the right ventricular substrate participating in postinfarction ventricular tachycardia. <i>Heart Rhythm</i> , 2022, 19, 1620-1628.	0.7	4
48	Complications caused by adenosine during catheter ablation of atrial fibrillation. <i>Clinical Case Reports (discontinued)</i> , 2017, 5, 744-747.	0.5	3
49	Proteomics of Atrial Fibrillation. <i>JAMA Cardiology</i> , 2017, 2, 474.	6.1	3
50	Has the Catheter Become Mightier Than the Sword?. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006867.	4.8	3
51	Response by Hyman et al to Letter Regarding Article, "Conscious Sedation Versus General Anesthesia for Transcatheter Aortic Valve Replacement: Insights From the National Cardiovascular Data Registry Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapy Registry". <i>Circulation</i> , 2018, 137, 2545-2546.	1.6	3
52	Comparison of left ventricular lead upgrade vs continued medical care among patients eligible for cardiac resynchronization therapy at the time of defibrillator generator replacement: Predictors of left ventricular lead upgrade and associations with long-term outcomes. <i>Heart Rhythm</i> , 2020, 17, 1878-1886.	0.7	3
53	Paroxysmal Atrioventricular Block. <i>JAMA Internal Medicine</i> , 2021, 181, 1108.	5.1	3
54	Mental Exit Block. <i>Circulation</i> , 2016, 134, 1082-1084.	1.6	2

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55	Catheter ablation of atrial arrhythmias following lung transplant: Electrophysiological findings and outcomes. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 49-57.	1.7	2
56	Right Ventricular Pacingâ€“Induced Hemodynamic Compromise in a Patient With a Left Ventricular Assist Device. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	4.8	1
57	Ablation of Ventricular Arrhythmias From the Left Ventricular Apex in Patients Without Ischemic Heart Disease. <i>JACC: Clinical Electrophysiology</i> , 2020, 6, 1089-1102.	3.2	1
58	Persistent atrial fibrillation: When the pulmonary veins are no longer the answer. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 1861-1863.	1.7	1
59	Hypoglossal Nerve Stimulator-Induced Neurapraxia Following Electrical Cardioversion for Atrial Fibrillation. <i>JACC: Case Reports</i> , 2021, 3, 1128-1131.	0.6	1
60	Patient and Staff Perceptions of Universal Severe Acute Respiratory Syndrome Coronavirus 2 Screening Prior to Cardiac Catheterization and Electrophysiology Laboratory Procedures. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e009975.	3.9	1
61	Multimodality Imaging to Guide Stenting ofÂ“An Occluded Pulmonary Vein Following Atrial Fibrillation Ablation. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 420-421.	3.2	0
62	Time Course and Predictors of Worsening Tricuspid Regurgitation Following Right Ventricular Lead Implantation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e009177.	4.8	0
63	Worsening Cardiomyopathy Despite Biventricular Pacing. <i>JAMA Cardiology</i> , 2021, 6, 1338.	6.1	0
64	Tachycardia-Dependent Paroxysmal Atrioventricular Blockâ€“Reply. <i>JAMA Internal Medicine</i> , 2021, 181, 1676.	5.1	0
65	Genetics of height and risk of atrial fibrillation: A Mendelian randomization study. , 2020, 17, e1003288.		0
66	Genetics of height and risk of atrial fibrillation: A Mendelian randomization study. , 2020, 17, e1003288.		0
67	Genetics of height and risk of atrial fibrillation: A Mendelian randomization study. , 2020, 17, e1003288.		0
68	Genetics of height and risk of atrial fibrillation: A Mendelian randomization study. , 2020, 17, e1003288.		0
69	Genetics of height and risk of atrial fibrillation: A Mendelian randomization study. , 2020, 17, e1003288.		0