

# Matthew J Shun-Shin Bmbch

## List of Publications by Year in descending order

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98  
papers

5,089  
citations

159585

30  
h-index

95266

68  
g-index

103  
all docs

103  
docs citations

103  
times ranked

6959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Randomized Blinded Placebo-Controlled Trials of Renal Sympathetic Denervation for Hypertension: A Meta-Analysis. <i>Cardiovascular Revascularization Medicine</i> , 2022, 34, 112-118.	0.8	11
2	Coronary flow reserve and cardiovascular outcomes: a systematic review and meta-analysis. <i>European Heart Journal</i> , 2022, 43, 1582-1593.	2.2	116
3	Point-of-care screening for heart failure with reduced ejection fraction using artificial intelligence during ECG-enabled stethoscope examination in London, UK: a prospective, observational, multicentre study. <i>The Lancet Digital Health</i> , 2022, 4, e117-e125.	12.3	37
4	Optimizing atrioventricular delay in pacemakers using potentially implantable physiological biomarkers. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2022, 45, 461-470.	1.2	1
5	ECG-based real-time arrhythmia monitoring using quantized deep neural networks: A feasibility study. <i>Computers in Biology and Medicine</i> , 2022, 143, 105249.	7.0	19
6	Phasic flow patterns of right versus left coronary arteries in patients undergoing clinical physiological assessment. <i>EuroIntervention</i> , 2022, 17, 1260-1270.	3.2	1
7	High-Throughput Precision Phenotyping of Left Ventricular Hypertrophy With Cardiovascular Deep Learning. <i>JAMA Cardiology</i> , 2022, 7, 386.	6.1	63
8	Daily angina documentation versus subsequent recall: development of a symptom smartphone app. <i>European Heart Journal Digital Health</i> , 2022, 3, 276-283.	1.7	4
9	A double-blind randomised placebo-controlled trial of percutaneous coronary intervention for the relief of stable angina without antianginal medications: design and rationale of the ORBITA-2 trial. <i>EuroIntervention</i> , 2022, 17, 1490-1497.	3.2	7
10	Association Between High-Sensitivity Cardiac Troponin, Myocardial Ischemia, and Revascularization in Stable Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2022, 79, 2185-2187.	2.8	3
11	Cardiopulmonary exercise testing and efficacy of percutaneous coronary intervention: a substudy of the ORBITA trial. <i>European Heart Journal</i> , 2022, 43, 3132-3145.	2.2	12
12	Inter-observer differences in interpretation of coronary pressure-wire pullback data by non-expert interventional cardiologists. <i>Cardiovascular Intervention and Therapeutics</i> , 2021, 36, 289-297.	2.3	5
13	Non-invasive detection of exercise-induced cardiac conduction abnormalities in sudden cardiac death survivors in the inherited cardiac conditions. <i>Europace</i> , 2021, 23, 305-312.	1.7	8
14	Automated analysis and detection of abnormalities in transaxial anatomical cardiovascular magnetic resonance images: a proof of concept study with potential to optimize image acquisition. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 1033-1042.	1.5	6
15	Electrocardiographic predictors of successful resynchronization of left bundle branch block by His bundle pacing. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 428-438.	1.7	7
16	Achieving optimal adherence to medical therapy by telehealth: Findings from the ORBITA medication adherence sub-study. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00710.	2.4	3
17	Achieving Optimal Medical Therapy: Insights From the ORBITA Trial. <i>Journal of the American Heart Association</i> , 2021, 10, e017381.	3.7	11
18	Reusable snorkel masks adapted as particulate respirators. <i>PLoS ONE</i> , 2021, 16, e0249201.	2.5	3

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19	Automated Left Ventricular Dimension Assessment Using Artificial Intelligence Developed and Validated by a UK-Wide Collaborative. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e011951.	2.6	12
20	Multibeat echocardiographic phase detection using deep neural networks. <i>Computers in Biology and Medicine</i> , 2021, 133, 104373.	7.0	11
21	Neural architecture search of echocardiography view classifiers. <i>Journal of Medical Imaging</i> , 2021, 8, 034002.	1.5	8
22	Left ventricular activation time and pattern are preserved with both selective and nonselective His bundle pacing. <i>Heart Rhythm O2</i> , 2021, 2, 439-445.	1.7	9
23	B-AB14-01 LEFT VENTRICULAR ACTIVATION TIME AND PATTERN ARE PRESERVED BY BOTH SELECTIVE AND NON-SELECTIVE HIS BUNDLE PACING. <i>Heart Rhythm</i> , 2021, 18, S27.	0.7	0
24	Placebo-Controlled Efficacy of Percutaneous Coronary Intervention for Focal and Diffuse Patterns of Stable Coronary Artery Disease. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e009891.	3.9	6
25	B-PO05-181 HIS BUNDLE PACING PRODUCES MORE PHYSIOLOGICAL VENTRICULAR REPOLARISATION THAN BIVENTRICULAR PACING IN HEART FAILURE WITH LEFT BUNDLE BRANCH BLOCK. <i>Heart Rhythm</i> , 2021, 18, S445-S446.	0.7	0
26	Side Effect Patterns in a Crossover Trial of Statin, Placebo, and No Treatment. <i>Journal of the American College of Cardiology</i> , 2021, 78, 1210-1222.	2.8	92
27	Comparing invasive hemodynamic responses in adenosine hyperemia versus physical exercise stress in chronic coronary syndromes. <i>International Journal of Cardiology</i> , 2021, 342, 7-14.	1.7	1
28	Adapting the role of handheld echocardiography during the COVID-19 pandemic: A practical guide. <i>Perfusion (United Kingdom)</i> , 2021, 36, 547-558.	1.0	2
29	The Placebo-Controlled Effect of Percutaneous Coronary Intervention on Exercise Induced Changes in Anti-Malondialdehyde-LDL Antibody Levels in Stable Coronary Artery Disease: A Substudy of the ORBITA Trial. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 757030.	2.4	1
30	A Multicenter External Validation of a Score Model to Predict Risk of Events in Patients With Brugada Syndrome. <i>American Journal of Cardiology</i> , 2021, 160, 53-59.	1.6	6
31	Within-patient comparison of His-bundle pacing, right ventricular pacing, and right ventricular pacing avoidance algorithms in patients with PR prolongation: Acute hemodynamic study. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 2964-2974.	1.7	3
32	N-of-1 Trial of a Statin, Placebo, or No Treatment to Assess Side Effects. <i>New England Journal of Medicine</i> , 2020, 383, 2182-2184.	27.0	176
33	Discriminating electrocardiographic responses to His-bundle pacing using machine learning. <i>Cardiovascular Digital Health Journal</i> , 2020, 1, 11-20.	1.3	10
34	Improving ultrasound video classification: an evaluation of novel deep learning methods in echocardiography. <i>Journal of Medical Artificial Intelligence</i> , 2020, 3, 4-4.	1.1	31
35	How Do Fractional Flow Reserve, Whole-Cycle PdPa, and Instantaneous Wave-Free Ratio Correlate With Exercise Coronary Flow Velocity During Exercise-Induced Angina?. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e008460.	3.9	1
36	Efficacy of catheter-based renal denervation in the absence of antihypertensive medications (SPYRAL) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1444-1451.	13.7	351

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37	Effects of Percutaneous Coronary Intervention on Death and Myocardial Infarction Stratified by Stable and Unstable Coronary Artery Disease. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2020, 13, e006363.	2.2	99
38	His bundle pacing, learning curve, procedure characteristics, safety, and feasibility: Insights from a large international observational study. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1984-1993.	1.7	125
39	Dobutamine Stress Echocardiography Ischemia as a Predictor of the Placebo-Controlled Efficacy of Percutaneous Coronary Intervention in Stable Coronary Artery Disease. <i>Circulation</i> , 2019, 140, 1971-1980.	1.6	46
40	Right ventricular pacing for hypertrophic obstructive cardiomyopathy: meta-analysis and meta-regression of clinical trials. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , 2019, 5, 321-333.	4.0	5
41	How to deliver personalized cardiac resynchronization therapy through the precise measurement of the acute hemodynamic response: Insights from the iSpot trial. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1610-1619.	1.7	7
42	Optimum lesion set and predictors of outcome in persistent atrial fibrillation ablation: a meta-regression analysis. <i>Europace</i> , 2019, 21, 1176-1184.	1.7	20
43	Physiological Pattern of Disease Assessed by Pressure-Wire Pullback Has an Influence on Fractional Flow Reserve/Instantaneous Wave-Free Ratio Discordance. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007494.	3.9	47
44	Association Between Physiological Stenosis Severity and Angina-Limited Exercise Time in Patients With Stable Coronary Artery Disease. <i>JAMA Cardiology</i> , 2019, 4, 569.	6.1	3
45	Ventricular conduction stability test: a method to identify and quantify changes in whole heart activation patterns during physiological stress. <i>Europace</i> , 2019, 21, 1422-1431.	1.7	3
46	Cardiac Rhythm Device Identification Using Neural Networks. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 576-586.	3.2	36
47	Quantification of Electromechanical Coupling to Prevent Inappropriate Implantable Cardioverter-Defibrillator Shocks. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 705-715.	3.2	7
48	Fractional flow reserve derived from microcatheters versus standard pressure wires: a stenosis-level meta-analysis. <i>Open Heart</i> , 2019, 6, e000971.	2.3	8
49	Improving haemodynamic optimization of cardiac resynchronization therapy for heart failure. <i>Physiological Measurement</i> , 2019, 40, 04NT01.	2.1	0
50	The Role of Imaging in Measuring Disease Progression and Assessing Novel Therapies in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 185-197.	5.3	18
51	Association Between Use of Sodium-Glucose Cotransporter 2 Inhibitors, Glucagon-like Peptide 1 Agonists, and Dipeptidyl Peptidase 4 Inhibitors With All-Cause Mortality in Patients With Type 2 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 1580.	7.4	313
52	Optimal antiplatelet strategy after transcatheter aortic valve implantation: a meta-analysis. <i>Open Heart</i> , 2018, 5, e000748.	2.3	34
53	Doppler assessment of aortic stenosis: a 25-operator study demonstrating why reading the peak velocity is superior to velocity time integral. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1380-1389.	1.2	16
54	Effects of disease severity distribution on the performance of quantitative diagnostic methods and proposal of a novel $\hat{V}$ -plot™ methodology to display accuracy values. <i>Open Heart</i> , 2018, 5, e000663.	2.3	1

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55	Percutaneous coronary intervention in stable angina (ORBITA): a double-blind, randomised controlled trial. <i>Lancet, The</i> , 2018, 391, 31-40.	13.7	738
56	Repolarization abnormalities unmasked with exercise in sudden cardiac death survivors with structurally normal hearts. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 115-126.	1.7	23
57	His Resynchronization Versus Biventricular Pacing in Patients With Heart Failure and Left Bundle Branch Block. <i>Journal of the American College of Cardiology</i> , 2018, 72, 3112-3122.	2.8	180
58	Outcomes of paroxysmal atrial fibrillation ablation studies are affected more by study design and patient mix than ablation technique. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 1471-1479.	1.7	7
59	Reply to: Assessing the quality of evidence supporting patent foramen ovale closure over medical therapy after cryptogenic stroke. <i>European Heart Journal</i> , 2018, 39, 3620-3620.	2.2	1
60	Fractional Flow Reserve and Instantaneous Wave-Free Ratio as Predictors of the Placebo-Controlled Response to Percutaneous Coronary Intervention in Stable Single-Vessel Coronary Artery Disease. <i>Circulation</i> , 2018, 138, 1780-1792.	1.6	88
61	Endovascular ultrasound renal denervation to treat hypertension (RADIANCE-HTN SOLO): a multicentre, international, single-blind, randomised, sham-controlled trial. <i>Lancet, The</i> , 2018, 391, 2335-2345.	13.7	526
62	Rationale and design of the randomized multicentre His Optimized Pacing Evaluated for Heart Failure (HOPE-HF) trial. <i>ESC Heart Failure</i> , 2018, 5, 965-976.	3.1	38
63	His Bundle Pacing: A New Frontier in the Treatment of Heart Failure. <i>Arrhythmia and Electrophysiology Review</i> , 2018, 7, 103.	2.4	50
64	Impact of Percutaneous Revascularization on Exercise Hemodynamics in Patients With Stable Coronary Disease. <i>Journal of the American College of Cardiology</i> , 2018, 72, 970-983.	2.8	21
65	Diagnostic Accuracy of Computed Tomography-Derived Fractional Flow Reserve. <i>JAMA Cardiology</i> , 2017, 2, 803.	6.1	166
66	The mortality risk of deferring optimal medical therapy in heart failure: a systematic comparison against norms for surgical consent and patient information leaflets. <i>European Journal of Heart Failure</i> , 2017, 19, 1401-1409.	7.1	39
67	Implantable cardioverter defibrillators for primary prevention of death in left ventricular dysfunction with and without ischaemic heart disease: a meta-analysis of 8567 patients in the 11 trials. <i>European Heart Journal</i> , 2017, 38, 1738-1746.	2.2	74
68	Is this muscle pain caused by my statin?. <i>BMJ: British Medical Journal</i> , 2017, 357, j3030.	2.3	4
69	Fractional Flow Reserve/Instantaneous Wave-Free Ratio Discordance in Angiographically Intermediate Coronary Stenoses. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 2514-2524.	2.9	104
70	9-05: Both Selective And Non-Selective His Pacing Preserve Left Ventricle Activation. <i>Europace</i> , 2016, 18, i24-i24.	1.7	3
71	Quantifying the 3 Biases That Lead to Unintentional Overestimation of the Blood Pressure-Lowering Effect of Renal Denervation. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, 14-22.	2.2	36
72	TCT-513 Discordance In Stenosis Classification by pressure-Only indices of stenosis severity is Related to Differences in coronary flow reserve: The RESOLVING DISCORD study. <i>Journal of the American College of Cardiology</i> , 2016, 68, B206-B207.	2.8	1

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73	Quantification of the Effect of Pressure Wire Drift on the Diagnostic Performance of Fractional Flow Reserve, Instantaneous Wave-Free Ratio, and Whole-Cycle Pd/Pa. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, e002988.	3.9	45
74	Resolving the paradox of randomised controlled trials and observational studies comparing multi-vessel angioplasty and culprit only angioplasty at the time of STEMI. <i>International Journal of Cardiology</i> , 2016, 222, 1-8.	1.7	12
75	Distribution of lifespan gain from primary prevention intervention. <i>Open Heart</i> , 2016, 3, e000343.	2.3	14
76	Frequency of discrepancies in retracted clinical trial reports versus unretracted reports: blinded case-control study. <i>BMJ, The</i> , 2015, 351, h4708.	6.0	10
77	Impact of number of prescribed medications on visit-to-visit variability of blood pressure. <i>Journal of Hypertension</i> , 2015, 33, 2359-2367.	0.5	5
78	Difficulty in detecting discrepancies in a clinical trial report: 260-reader evaluation. <i>International Journal of Epidemiology</i> , 2015, 44, 862-869.	1.9	10
79	Effect of Study Design on the Reported Effect of Cardiac Resynchronization Therapy (CRT) on Quantitative Physiological Measures: Stratified Meta-Analysis in Narrow-QRS Heart Failure and Implications for Planning Future Studies. <i>Journal of the American Heart Association</i> , 2015, 4, e000896.	3.7	10
80	Grateful receipt of clarifications on a perioperative trial: An illustration of the duty of readers to ask questions. <i>International Journal of Cardiology</i> , 2015, 179, 507-509.	1.7	0
81	Non-randomised comparison of acute and long-term outcomes of robotic versus manual ventricular tachycardia ablation in a single centre ischemic cohort. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2015, 43, 175-185.	1.3	5
82	Intra-aortic Balloon Pump Therapy for Acute Myocardial Infarction. <i>JAMA Internal Medicine</i> , 2015, 175, 931.	5.1	115
83	Defining the real-world reproducibility of visual grading of left ventricular function and visual estimation of left ventricular ejection fraction: impact of image quality, experience and accreditation. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 1303-1314.	1.5	59
84	Discrepancies in autologous bone marrow stem cell trials and enhancement of ejection fraction (DAMASCENE): weighted regression and meta-analysis. <i>BMJ, The</i> , 2014, 348, g2688-g2688.	6.0	183
85	Removing the hype from hypertension. <i>BMJ, The</i> , 2014, 348, g1937-g1937.	6.0	25
86	Author reply. <i>Europace</i> , 2014, 16, 1866-1866.	1.7	1
87	Applicability of the iterative technique for cardiac resynchronization therapy optimization: full-disclosure, 50-sequential-patient dataset of transmitral Doppler traces, with implications for future research design and guidelines. <i>Europace</i> , 2014, 16, 541-550.	1.7	16
88	International RCT-based guidelines for use of preoperative stress testing and perioperative beta-blockers and statins in non-cardiac surgery. <i>International Journal of Cardiology</i> , 2014, 172, 138-143.	1.7	17
89	Effect on cardiovascular risk of high density lipoprotein targeted drug treatments niacin, fibrates, and CETP inhibitors: meta-analysis of randomised controlled trials including 117 411 patients. <i>BMJ, The</i> , 2014, 349, g4379-g4379.	6.0	361
90	Evidence-based recommendations for PISA measurements in mitral regurgitation: systematic review, clinical and in-vitro study. <i>International Journal of Cardiology</i> , 2013, 168, 1220-1228.	1.7	19

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91	Why Even More Clinical Research Studies May Be False: Effect of Asymmetrical Handling of Clinically Unexpected Values. PLoS ONE, 2013, 8, e65323.	2.5	19
92	Neuraminidase inhibitors for preventing and treating influenza in children. , 2012, 1, CD002744.		34
93	Cochrane Review: Neuraminidase inhibitors for preventing and treating influenza in children (published trials only). Evidence-Based Child Health: A Cochrane Review Journal, 2012, 7, 1719-1790.	2.0	0
94	Why Are Some Studies of Cardiovascular Markers Unreliable? The Role of Measurement Variability and What an Aspiring Clinician Scientist Can Do Before It Is Too Late. Progress in Cardiovascular Diseases, 2012, 55, 14-24.	3.1	21
95	Neuraminidase inhibitors for preventing and treating influenza in children (published trials only). The Cochrane Library, 2012, , CD002744.	2.8	50
96	Neuraminidase inhibitors for treatment and prophylaxis of influenza in children: systematic review and meta-analysis of randomised controlled trials. BMJ: British Medical Journal, 2009, 339, b3172-b3172.	2.3	133
97	An unusual complication of endoscopic retrograde cholangio-pancreatography (ERCP). BMJ Case Reports, 2008, 2008, bcr0620080013-bcr0620080013.	0.5	1
98	Why outpatient initiative clinics fail to deliver: an analysis by mathematical model. Eye, 2004, 18, 651-652.	2.1	0