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List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,888
citations

430442

18
h-index

264894

42
g-index

53
all docs

53
docs citations

53
times ranked

2621
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational fluid dynamics modelling in cardiovascular medicine. <i>Heart</i> , 2016, 102, 18-28.	1.2	301
2	Virtual Fractional Flow Reserve From Coronary Angiography: Modeling the Significance of Coronary Lesions. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 149-157.	1.1	219
3	Low serum testosterone and increased mortality in men with coronary heart disease. <i>Heart</i> , 2010, 96, 1821-1825.	1.2	201
4	Cardiac biomarkers of acute coronary syndrome: from history to high-sensitivity cardiac troponin. <i>Internal and Emergency Medicine</i> , 2017, 12, 147-155.	1.0	186
5	Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. <i>Cardiovascular Research</i> , 2021, 117, 29-42.	1.8	164
6	A mathematical comparison of techniques to predict biologically available testosterone in a cohort of 1072 men. <i>European Journal of Endocrinology</i> , 2004, 151, 241-249.	1.9	103
7	“Virtual” (Computed) Fractional Flow Reserve. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 1009-1017.	1.1	100
8	Testosterone and cardiovascular disease in men. <i>Asian Journal of Andrology</i> , 2012, 14, 428-435.	0.8	68
9	Fast Virtual Fractional Flow Reserve Based Upon Steady-State Computational Fluid Dynamics Analysis. <i>JACC Basic To Translational Science</i> , 2017, 2, 434-446.	1.9	68
10	Effect of testosterone therapy on QT dispersion in men with heart failure. <i>American Journal of Cardiology</i> , 2003, 92, 1241-1243.	0.7	48
11	Virtual Coronary Intervention. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 865-872.	2.3	40
12	Cooperative Role for Tetraspanins in Adhesin-Mediated Attachment of Bacterial Species to Human Epithelial Cells. <i>Infection and Immunity</i> , 2011, 79, 2241-2249.	1.0	38
13	Angiography-Derived Fractional Flow Reserve: More or Less Physiology?. <i>Journal of the American Heart Association</i> , 2020, 9, e015586.	1.6	33
14	A novel method for measuring absolute coronary blood flow and microvascular resistance in patients with ischaemic heart disease. <i>Cardiovascular Research</i> , 2021, 117, 1567-1577.	1.8	32
15	Non-vitamin K antagonist oral anticoagulants (NOACs): clinical evidence and therapeutic considerations. <i>Postgraduate Medical Journal</i> , 2014, 90, 520-528.	0.9	31
16	Simultaneous kissing stents to treat unprotected left main stem coronary artery bifurcation disease; stent expansion, vessel injury, hemodynamics, tissue healing, restenosis, and repeat revascularization. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, E381-E392.	0.7	31
17	Invasive coronary physiology in patients with angina and non-obstructive coronary artery disease: a consensus document from the coronary microvascular dysfunction workstream of the British Heart Foundation/National Institute for Health Research Partnership. <i>Heart</i> , 2023, 109, 88-95.	1.2	26
18	Microevolution of <i>Neisseria lactamica</i> during nasopharyngeal colonisation induced by controlled human infection. <i>Nature Communications</i> , 2018, 9, 4753.	5.8	24

#	ARTICLE	IF	CITATIONS
19	Effect of side branch flow upon physiological indices in coronary artery disease. <i>Journal of Biomechanics</i> , 2020, 103, 109698.	0.9	21
20	Reversible heart failure: toxins, tachycardiomyopathy and mitochondrial abnormalities. <i>Postgraduate Medical Journal</i> , 2012, 88, 706-712.	0.9	19
21	The new role of diagnostic angiography in coronary physiological assessment. <i>Heart</i> , 2021, 107, 783-789.	1.2	14
22	Double-Kissing Nanocrush for Bifurcation Lesions: Development, Bioengineering, Fluid Dynamics, and Initial Clinical Testing. <i>Canadian Journal of Cardiology</i> , 2020, 36, 852-859.	0.8	10
23	Operator-dependent variability of angiography-derived fractional flow reserve and the implications for treatment. <i>European Heart Journal Digital Health</i> , 2021, 2, 263-270.	0.7	10
24	The importance of three dimensional coronary artery reconstruction accuracy when computing virtual fractional flow reserve from invasive angiography. <i>Scientific Reports</i> , 2021, 11, 19694.	1.6	9
25	Shear stress: the dark energy of atherosclerotic plaques. <i>Cardiovascular Research</i> , 2021, 117, 1811-1813.	1.8	7
26	Feasibility and validation of trans-valvular flow derived by four-dimensional flow cardiovascular magnetic resonance imaging in patients with atrial fibrillation. <i>Wellcome Open Research</i> , 2021, 6, 73.	0.9	7
27	The Impact of Virtual Fractional Flow Reserve and Virtual Coronary Intervention on Treatment Decisions in the Cardiac Catheter Laboratory. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1530-1538.	0.8	7
28	Refining Our Understanding of the Flow Through Coronary Artery Branches; Revisiting Murray's Law in Human Epicardial Coronary Arteries. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	7
29	Coronary physiological assessment in the catheter laboratory: haemodynamics, clinical assessment and future perspectives. <i>Heart</i> , 2022, 108, 1737-1746.	1.2	7
30	Predictive Physiological Modeling of Percutaneous Coronary Intervention – Is Virtual Treatment Planning the Future?. <i>Frontiers in Physiology</i> , 2018, 9, 1107.	1.3	6
31	Sequen-C: A Multilevel Overview of Temporal Event Sequences. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2022, 28, 901-911.	2.9	6
32	When is rotational angiography superior to conventional single-plane angiography for planning coronary angioplasty?. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 87, E104-12.	0.7	5
33	Computing Fractional Flow Reserve From Invasive Coronary Angiography. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	1.4	5
34	Feasibility and validation of trans-valvular flow derived by four-dimensional flow cardiovascular magnetic resonance imaging in patients with atrial fibrillation. <i>Wellcome Open Research</i> , 2021, 6, 73.	0.9	5
35	Virtual (Computed) Fractional Flow Reserve: Future Role in Acute Coronary Syndromes. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 735008.	1.1	5
36	Non-invasive Stenotic Renal Artery Haemodynamics by in silico Medicine. <i>Frontiers in Physiology</i> , 2018, 9, 1106.	1.3	4

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37	Cardiac auscultation: normal and abnormal. British Journal of Hospital Medicine (London, England:) Tj ETQq1 1 0.784314 rgB4 /Overl	0.2	4
38	The relationship between coronary stenosis morphology and fractional flow reserve: a computational fluid dynamics modelling study. European Heart Journal Digital Health, 2021, 2, 616-625.	0.7	3
39	The Complementary Value of Absolute Coronary Flow in the Assessment of Patients with Ischaemic Heart Disease. , 2022, 1, 611-616.		3
40	Focal pulmonary oedema: an unusual presentation of acute mitral regurgitation. Thorax, 2013, 68, 498-498.	2.7	2
41	Reconstruction of Coronary Trees from 3DRA Using a 3D+t Statistical Cardiac Prior. Lecture Notes in Computer Science, 2014, 17, 619-626.	1.0	2
42	Personalised fractional flow reserve: a novel concept to optimise myocardial revascularisation. EuroIntervention, 2019, 15, 707-713.	1.4	2
43	Exercise-induced erythema nodosum. British Journal of Hospital Medicine (London, England: 2005), 2016, 77, 427-427.	0.2	1
44	How to write a textbook: our experience and advice to budding authors. Heart, 2019, 106, heartjnl-2019-315584.	1.2	1
45	Coronary Physiological Assessment in a Patient With Atrial Fibrillation. JACC: Cardiovascular Interventions, 2021, 14, 1731-1733.	1.1	1
46	The impact of Objective Mathematical Analysis during Fractional Flow Reserve measurement: results from the OMA-FFR study. EuroIntervention, 2018, 14, 935-941.	1.4	1
47	Revascularisation for the proximal left anterior descending artery: special case or part of the package?. Heart, 0, , heartjnl-2022-321218.	1.2	1
48	A shocking twist. Emergency Medicine Journal, 2017, 34, 26-26.	0.4	0
49	PCI does not improve outcomes for patients with stable angina. BMJ Evidence-Based Medicine, 2018, 23, 71-72.	1.7	0
50	An Encounter with Lattice Boltzmann for Biomedical Applications: Interactive Simulation to Support Clinical and Design Decisions. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2021, , .	0.3	0
51	Smells like a heart attack, but is it?. BMJ Case Reports, 2011, 2011, bcr1020114948-bcr1020114948.	0.2	0
52	Eâ€learning, collaboration, and group support in medical education. Polish Archives of Internal Medicine, 2018, 128, 74-76.	0.3	0
53	The Use of Digital Coronary Phantoms for the Validation of Arterial Geometry Reconstruction and Computation of Virtual FFR. Fluids, 2022, 7, 201.	0.8	0