Alan Fraser

List of Publications by Year
in descending order

86 papers	6,365 citations	147801 31 h-index	66911 78 g-index
90 all docs	90 docs citations	90 times ranked	6800 citing authors

#	Article	IF	Citations
1	Improved clinical investigation and evaluation of high-risk medical devices: the rationale and objectives of CORE-MD (Coordinating Research and Evidence for Medical Devices). European Heart Journal Quality of Care & Clinical Outcomes, 2022, 8, 249-258.	4.0	13
2	Managing Incidental Findings Reported by Medical, Sonography and Other Students Performing Educational Ultrasound Examinations. Ultrasound in Medicine and Biology, 2022, 48, 180-187.	1.5	6
3	History of Ultrasound in Medicine from its birth to date (2022), on occasion of the 50 Years Anniversary of EFSUMB. A publication of the European Federation of Societies for Ultrasound In Medicine and Biology (EFSUMB), designed to record the historical development of medical ultrasound. Medical Ultrasonography, 2022, 24, 434.	0.8	14
4	A concise history of echocardiography: timeline, pioneers, and landmark publications. European Heart Journal Cardiovascular Imaging, 2022, 23, 1130-1143.	1.2	9
5	Utility of the E/eâ€² index in ventilated patients and those with sepsis. Echocardiography, 2021, 38, 157-158.	0.9	0
6	Understanding right ventricular dyssynchrony: Its myriad determinants and clinical relevance. Experimental Physiology, 2021, 106, 797-800.	2.0	1
7	Risk stratification with echocardiographic biomarkers in heart failure with preserved ejection fraction: the media echo score. ESC Heart Failure, 2021, 8, 1827-1839.	3.1	15
8	Cardiovascular imaging â€œguidelinesâ€•â€“ High time for a paradigm shift. International Journal of Cardiology, 2021, 329, 246-248.	1.7	3
9	Diagnostic recommendations and phenotyping for heart failure with preserved ejection fraction: knowing more and understanding less?. European Journal of Heart Failure, 2021, 23, 964-972.	7.1	5
10	Maximal Wall Thickness Measurement in Hypertrophic Cardiomyopathy. JACC: Cardiovascular Imaging, 2021, 14, 2123-2134.	5.3	18
11	Left atrial conduit flow rate at baseline and during exercise: an index of impaired relaxation in HFpEF patients. ESC Heart Failure, 2021, 8, 4334-4342.	3.1	10
12	Implementation of the new EU IVD regulationÂâ€“ urgent initiatives are needed to avert impending crisis. Clinical Chemistry and Laboratory Medicine, 2021, .	2.3	18
13	Artificial intelligence in cardiology: the debate continues. European Heart Journal Digital Health, 2021, 2, 721-726.	1.7	6
14	Improved clinical investigation and evaluation of high-risk medical devices: the rationale and objectives of COREâ€“MD (Coordinating Research and Evidence for Medical Devices). EFORT Open Reviews, 2021, 6, 839-849.	4.1	11
15	Heart valve disease, left ventricular hypertrophy, and heart failure: a lifelong relationship and continuing clinical responsibility. European Journal of Heart Failure, 2021, 23, 2017-2020.	7.1	0
16	Machine Learning for Clinical Decision-Making: Challenges and Opportunities in Cardiovascular Imaging. Frontiers in Cardiovascular Medicine, 2021, 8, 765693.	2.4	26
17	A Phenotyping of Diastolic Function by Machine Learning Improves Prediction of Clinical Outcomes in Heart Failure. Frontiers in Cardiovascular Medicine, 2021, 8, 755109.	2.4	6
18	Age-specific reference values for carotid arterial stiffness estimated by ultrasonic wall tracking. Journal of Human Hypertension, 2020, 34, 214-222.	2.2	34

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19	Postmarket surveillance of high-risk medical devices needs transparent, comprehensive and independent registries. BMJ Surgery, Interventions, and Health Technologies, 2020, 2, e000065.	0.9	5
20	Remote monitoring of cardiac implanted electronic devices: legal requirements and ethical principles - ESC Regulatory Affairs Committee/EHRA joint task force report. Europace, 2020, 22, 1742-1758.	1.7	32
21	Implementing the new European Regulations on medical devicesâ€"clinical responsibilities for evidence-based practice: a report from the Regulatory Affairs Committee of the European Society of Cardiology. European Heart Journal, 2020, 41, 2589-2596.	2.2	37
22	Regulating drugs, medical devices, and diagnostic tests in the European Union: early lessons from the COVID-19 pandemic?. European Heart Journal, 2020, 41, 2140-2144.	2.2	5
23	How to diagnose heart failure with preserved ejection fraction: the HFAâ€"PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). European Journal of Heart Failure, 2020, 22, 391-412.	7.1	193
24	When does the E/eâ€™ index not work? The pitfalls of oversimplifying diastolic function. Echocardiography, 2020, 37, 1897-1907.	0.9	29
25	Enhanced clinical phenotyping by mechanistic bioprofiling in heart failure with preserved ejection fraction: insights from the MEDIA-DHF study (The Metabolic Road to Diastolic Heart Failure). Biomarkers, 2020, 25, 201-211.	1.9	26
26	Longitudinal evaluation of myocardial function in preterm infants with respiratory distress syndrome. Echocardiography, 2019, 36, 1713-1726.	0.9	7
27	How to diagnose heart failure with preserved ejection fraction: the HFAâ€"PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). European Heart Journal, 2019, 40, 3297-3317.	2.2	944
28	Association Between Layer-Specific Longitudinal Strain and Risk Factors of Heart Failure and Dyspnea: A Population-Based Study. Journal of the American Society of Echocardiography, 2019, 32, 854-865.e8.	2.8	7
29	Transparency of clinical evidence for medical devices in Europe â€" Authors' reply. Lancet, The, 2019, 393, 1693-1694.	13.7	2
30	Inaccuracies in Measuring Velocities and Timing of Flow and Tissue Motion Using High-End Ultrasound Systems. Ultrasound in Medicine and Biology, 2019, 45, 1446-1454.	1.5	1
31	Carotid artery wave intensity in mid- to late-life predicts cognitive decline: the Whitehall II study. European Heart Journal, 2019, 40, 2300-2309.	2.2	57
32	Machine Learning Analysis of Left Ventricular Function to Characterize Heart Failure With Preserved Ejection Fraction. Circulation: Cardiovascular Imaging, 2018, 11, e007138.	2.6	95
33	What Limits Functional Capacity in Heart Failure With Preserved Ejection Fraction?. JACC: Heart Failure, 2018, 6, 127-129.	4.1	4
34	Tachycardia after acute deceleration injury. Heart, 2018, 105, heartjnl-2018-314082.	2.9	1
35	Do We Need Independent Data Monitoring Boards and Adaptive Designs for Diagnostic Outcome Trials?. JACC: Cardiovascular Imaging, 2018, 11, 1119-1121.	5.3	2
36	The need for transparency of clinical evidence for medical devices in Europe. Lancet, The, 2018, 392, 521-530.	13.7	67

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37	Diagnosis of Heart Failure With Preserved Ejection Fraction: Machine Learning of Spatiotemporal Variations in Left Ventricular Deformation. Journal of the American Society of Echocardiography, 2018, 31, 1272-1284.e9.	2.8	90
38	Prevalence of subclinical cardiac abnormalities in patients with metal-on-metal hip replacements. International Journal of Cardiology, 2018, 271, 274-280.	1.7	14
39	Characterization of myocardial motion patterns by unsupervised multiple kernel learning. Medical Image Analysis, 2017, 35, 70-82.	11.6	49
40	Noninvasive Estimation of the Severity of Aortic Stenosis. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	1
41	Ventricular-arterial coupling in heart failure with preserved ejection fraction: the devil is in the details. Cardiovascular Research, 2017, 113, 844-846.	3.8	3
42	Impact of Changes in Consensus Diagnostic Recommendations on theÂEchocardiographic Prevalence of DiastolicÂDysfunction. Journal of the American College of Cardiology, 2017, 69, 3119-3121.	2.8	53
43	Nonâ€invasive estimation of left heart filling pressures: another nail in the coffin for E/e'?. European Journal of Heart Failure, 2017, 19, 1661-1663.	7.1	16
44	A manifesto for cardiovascular imaging: addressing the human factorâ€. European Heart Journal Cardiovascular Imaging, 2017, 18, 1311-1321.	1.2	9
45	Impact of glycemic control on aortic stiffness, left ventricular mass and diastolic longitudinal function in type 2 diabetes mellitus. Cardiovascular Diabetology, 2017, 16, 78.	6.8	38
46	Andrew Hurst Henderson, 1930â€“2017. European Heart Journal, 2017, 38, 2865-2866.	2.2	0
47	The ESC in Brussels. European Heart Journal, 2017, 38, 2086-2087.	2.2	0
48	Pathophysiological rationale and diagnostic targets for diastolic stress testing. Heart, 2015, 101, 1355-1360.	2.9	17
49	A systematic review of diastolic stress tests in heart failure with preserved ejection fraction, with proposals from the <scp>EUâ€FP7 MEDIA</scp> study group. European Journal of Heart Failure, 2014, 16, 1345-1361.	7.1	74
50	Central arterial stiffness and diastolic dysfunction are associated with insulin resistance and abdominal obesity in young women but polycystic ovary syndrome does not confer additional risk. Human Reproduction, 2014, 29, 2041-2049.	0.9	24
51	Editorial Comment: Establishing evidence for high-risk medical devices in orphan diseases. European Journal of Cardio-thoracic Surgery, 2013, 44, 840-842.	1.4	3
52	Clinical evaluation of cardiovascular devices: principles, problems, and proposals for European regulatory reform: Report of a policy conference of the European Society of Cardiology. European Heart Journal, 2011, 32, 1673-1686.	2.2	73
53	Commentary: International collaboration needed on device clinical standards. BMJ, The, 2011, 342, d2952-d2952.	6.0	20
54	Reversal of subclinical left ventricular dysfunction by antihypertensive treatment: a prospective trial of nebivolol against metoprolol. Journal of Hypertension, 2011, 29, 809-817.	0.5	18

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55	Cumulative Impact of Cardiovascular Risk Factors on Regional Left Ventricular Function and Reserve: Progressive Long-Axis Dysfunction with Compensatory Radial Changes. Echocardiography, 2011, 28, 813-820.	0.9	14
56	Cardiologists and medical devices: time to get involved. European Heart Journal, 2011, 32, 1956-7, 1957a.	2.2	0
57	Reproducibility of myocardial velocity and deformation imaging in term and preterm infants. European Journal of Echocardiography, 2010, 11, 44-50.	2.3	41
58	On the impossibility of being expert. BMJ: British Medical Journal, 2010, 341, c6815-c6815.	2.3	73
59	Advanced chronic heart failure: A position statement from the Study Group on Advanced Heart Failure of the Heart Failure Association of the European Society of Cardiology. European Journal of Heart Failure, 2007, 9, 684-694.	7.1	335
60	Treatment of advanced chronic heart failure with normal left ventricular ejection fraction. Response to the letter by Dr. Martinezâ€Selles. European Journal of Heart Failure, 2007, 9, 1224-1225.	7.1	2
61	How to diagnose diastolic heart failure: a consensus statement on the diagnosis of heart failure with normal left ventricular ejection fraction by the Heart Failure and Echocardiography Associations of the European Society of Cardiology. European Heart Journal, 2007, 28, 2539-2550.	2.2	2,302
62	The future of cardiovascular imaging and non-invasive diagnosis. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 955-959.	6.4	1
63	Systolic Dysfunction in Heart Failure with a Normal Ejection Fraction: Echo-Doppler Measurements. Progress in Cardiovascular Diseases, 2006, 49, 196-206.	3.1	69
64	The European Association of Echocardiography â€“ and the future of European echocardiography. European Journal of Echocardiography, 2006, 7, 264-267.	2.3	0
65	The future of cardiovascular imaging and non-invasive diagnosisa †A joint statement from the European Association of Echocardiography, the Working Groups on Cardiovascular Magnetic Resonance, Computers in Cardiology, and Nuclear Cardiology of the European Society of Cardiology, the European Association of Nuclear Medicine and the Association for European Paediatric Cardiology.	2.3	13
66	The future of cardiovascular imaging and non-invasive diagnosis: A joint statement from the European Association of Echocardiography, the Working Groups on Cardiovascular Magnetic Resonance, Computers in Cardiology, and Nuclear Cardiology, of the European Society of Cardiology, the European Association of Nuclear Medicine, and the Association for European Paediatric Cardiology. European Heart Journal, 2006, 27, 1750-1753.	2.2	44
67	â€œPureâ€•diastolic dysfunction is associated with long-axis systolic dysfunction. Implications for the diagnosis and classification of heart failure. European Journal of Heart Failure, 2005, 7, 820-828.	7.1	167
68	Reduced myocardial velocities of left ventricular long-axis contraction identify both systolic and diastolic heart failure-a comparison with brain natriuretic peptide. European Journal of Heart Failure, 2005, 7, 512-519.	7.1	76
69	Strain rate imaging after dynamic stress provides objective evidence of persistent regional myocardial dysfunction in ischaemic myocardium: regional stunning identified?. Heart, 2005, 91, 152-160.	2.9	30
70	Report on the first written exam held as part of the European Association of Echocardiography Accreditation Process in Adult Transthoracic Echocardiography. European Journal of Echocardiography, 2004, 5, 320-325.	2.3	10
71	Subclinical cardiac involvement in myotonic dystrophy manifesting as decreased myocardial Doppler velocities. Neuromuscular Disorders, 2004, 14, 188-194.	0.6	38
72	Subclinical cardiac involvement in myotonic dystrophy. Neuromuscular Disorders, 2004, 14, 695-696.	0.6	0

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73	Tissue Doppler imaging for the evaluation of patients with hypertrophic cardiomyopathy. Current Opinion in Cardiology, 2004, 19, 430-436.	1.8	31
74	115 Resolution of post-systolic strain as a non-invasive marker of successful revascularisation of viable myocardium in patients with ischaemic left ventricular dysfunction. European Journal of Echocardiography, 2003, 4, S3.	2.3	0
75	Subclinical left ventricular dysfunction in asymptomatic patients with Type II diabetes mellitus, related to serum lipids and glycated haemoglobin. Clinical Science, 2003, 105, 591-599.	4.3	174
76	Feasibility and Reproducibility of Off-line Tissue Doppler Measurement of Regional Myocardial Function During Dobutamine Stress Echocardiography. European Journal of Echocardiography, 2003, 4, 43-53.	2.3	47
77	Estimation of Global Left Ventricular Function from the Velocity of Longitudinal Shortening. Echocardiography, 2002, 19, 177-185.	0.9	48
78	Differentiation between pathologic and physiologic left ventricular hypertrophy by tissue doppler assessment of long-axis function in patients with hypertrophic cardiomyopathy or systemic hypertension and in athletes. American Journal of Cardiology, 2001, 88, 53-58.	1.6	293
79	Inge Edler and the Origins of Clinical Echocardiography. European Journal of Echocardiography, 2001, 2, 3-5.	2.3	13
80	Assessment of left ventricular long axis contraction can detect early myocardial dysfunction in asymptomatic patients with severe aortic regurgitation. British Heart Journal, 2001, 85, 30-36.	2.1	120
81	Reproducibility of Pulsed Wave Tissue Doppler Echocardiography. Journal of the American Society of Echocardiography, 1999, 12, 492-499.	2.8	124
82	Review article: gastroâ€oesophageal reflux and laryngeal symptoms. Alimentary Pharmacology and Therapeutics, 1994, 8, 265-272.	3.7	53
83	Clinical assessment of prosthetic valve function. Journal of Medical Engineering and Technology, 1992, 16, 15-22.	1.4	1
84	The Graham Steell murmur: eponymous serendipity?. Journal of the Royal College of Physicians of London, 1991, 25, 66-70.	0.2	0
85	Left atrial ball thrombus: Echocardiographic features and clinical implications. European Heart Journal, 1988, 9, 672-677.	2.2	32
86	The haggis tolerance test in Scots and Sassenachs.. BMJ: British Medical Journal, 1988, 297, 1632-1634.	2.3	1