Kenneth Fung

List of Publications by Year
in descending order

39 papers	1,881 citations	430442 18 h-index	377514 34 g-index
40 all docs	40 docs citations	40 times ranked	3219 citing authors

#	Article	IF	Citations
1	Automated cardiovascular magnetic resonance image analysis with fully convolutional networks. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 65.	1.6	468
2	Reference ranges for cardiac structure and function using cardiovascular magnetic resonance (CMR) in Caucasians from the UK Biobank population cohort. Journal of Cardiovascular Magnetic Resonance, 2017, 19, 18.	1.6	391
3	Genome-Wide Analysis of Left Ventricular Image-Derived Phenotypes Identifies Fourteen Loci Associated With Cardiac Morphogenesis and Heart Failure Development. Circulation, 2019, 140, 1318-1330.	1.6	138
4	A population-based phenome-wide association study of cardiac and aortic structure and function. Nature Medicine, 2020, 26, 1654-1662.	15.2	98
5	Automated quality control in image segmentation: application to the UK Biobank cardiovascular magnetic resonance imaging study. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 18.	1.6	78
6	Improving the Generalizability of Convolutional Neural Network-Based Segmentation on CMR Images. Frontiers in Cardiovascular Medicine, 2020, 7, 105.	1.1	74
7	Association Between Ambient Air Pollution and Cardiac Morpho-Functional Phenotypes. Circulation, 2018, 138, 2175-2186.	1.6	70
8	The impact of cardiovascular risk factors on cardiac structure and function: Insights from the UK Biobank imaging enhancement study. PLoS ONE, 2017, 12, e0185114.	1.1	52
9	Right ventricular shape and function: cardiovascular magnetic resonance reference morphology and biventricular risk factor morphometrics in UK Biobank. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 41.	1.6	47
10	Fully-automated left ventricular mass and volume MRI analysis in the UK Biobank population cohort: evaluation of initial results. International Journal of Cardiovascular Imaging, 2018, 34, 281-291.	0.7	46
11	Changes in Cardiac Morphology and Function in Individuals With Diabetes Mellitus. Circulation: Cardiovascular Imaging, 2019, 12, e009476.	1.3	43
12	Quantitative CMR population imaging on 20,000 subjects of the UK Biobank imaging study: LV/RV quantification pipeline and its evaluation. Medical Image Analysis, 2019, 56, 26-42.	7.0	41
13	Prospective association between handgrip strength and cardiac structure and function in UK adults. PLoS ONE, 2018, 13, e0193124.	1.1	37
14	Fully Automated Myocardial Strain Estimation from Cardiovascular MRIâ€"tagged Images Using a Deep Learning Framework in the UK Biobank. Radiology: Cardiothoracic Imaging, 2020, 2, e190032.	0.9	29
15	Genome-wide association study identifies loci for arterial stiffness index in 127,121 UK Biobank participants. Scientific Reports, 2019, 9, 9143.	1.6	28
16	Automated localization and quality control of the aorta in cine CMR can significantly accelerate processing of the UK Biobank population data. PLoS ONE, 2019, 14, e0212272.	1.1	26
17	Real-Time Prediction of Segmentation Quality. Lecture Notes in Computer Science, 2018, , 578-585.	1.0	23
18	Physical activity and left ventricular trabeculation in the UK Biobank community-based cohort study. Heart, 2019, 105, 990-998.	1.2	21

#	Article	IF	Citations
19	Cardiovascular magnetic resonance reference values of mitral and tricuspid annular dimensions: the UK Biobank cohort. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 5.	1.6	21
20	The impact of menopausal hormone therapy (MHT) on cardiac structure and function: Insights from the UK Biobank imaging enhancement study. PLoS ONE, 2018, 13, e0194015.	1.1	19
21	Genome-wide association analysis reveals insights into the genetic architecture of right ventricular structure and function. Nature Genetics, 2022, 54, 783-791.	9.4	19
22	Adverse cardiovascular magnetic resonance phenotypes are associated with greater likelihood of incident coronavirus disease 2019: findings from the UK Biobank. Aging Clinical and Experimental Research, 2021, 33, 1133-1144.	1.4	17
23	Quality Control-Driven Image Segmentation Towards Reliable Automatic Image Analysis in Large-Scale Cardiovascular Magnetic Resonance Aortic Cine Imaging. Lecture Notes in Computer Science, 2019, , 750-758.	1.0	15
24	Pulmonary blood volume index as a quantitative biomarker of haemodynamic congestion in hypertrophic cardiomyopathy. European Heart Journal Cardiovascular Imaging, 2019, 20, 1368-1376.	0.5	14
25	Association Between Recreational Cannabis Use and Cardiac Structure and Function. JACC: Cardiovascular Imaging, 2020, 13, 886-888.	2.3	12
26	Poor Bone Quality is Associated With Greater Arterial Stiffness: Insights From the UK Biobank. Journal of Bone and Mineral Research, 2020, 36, 90-99.	3.1	11
27	Towards the Semantic Enrichment of Free-Text Annotation of Image Quality Assessment for UK Biobank Cardiac Cine MRI Scans. Lecture Notes in Computer Science, 2016, , 238-248.	1.0	11
28	Pathological Cluster Identification by Unsupervised Analysis in 3,822 UK Biobank Cardiac MRIs. Frontiers in Cardiovascular Medicine, 2020, 7, 539788.	1.1	9
29	Validation of Cardiovascular Magnetic Resonance–Derived Equation for Predicted Left Ventricular Mass Using the UK Biobank Imaging Cohort. Circulation: Heart Failure, 2019, 12, e006362.	1.6	8
30	Variation in lung function and alterations in cardiac structure and function–Analysis of the UK Biobank cardiovascular magnetic resonance imaging substudy. PLoS ONE, 2018, 13, e0194434.	1.1	6
31	Sex-specific associations between alcohol consumption, cardiac morphology, and function as assessed by magnetic resonance imaging: insights form the UK Biobank Population Study. European Heart Journal Cardiovascular Imaging, 2021, 22, 1009-1016.	0.5	4
32	Subclinical Changes in Cardiac Functional Parameters as Determined by Cardiovascular Magnetic Resonance (CMR) Imaging in Sleep Apnea and Snoring: Findings from UK Biobank. Medicina (Lithuania), 2021, 57, 555.	0.8	3
33	Atrial myxoma masquerading as Takayasu's arteritis. JRSM Open, 2014, 5, 205427041455097.	0.2	1
34	3.2 First Genome-Wide Association Study of Cardiovascular Magnetic Resonance Derived Aortic Distensibility Reveals 7 Loci. Artery Research, 2019, 25, S21-S22.	0.3	1
35	87…Residual Ischaemia Post Acute Coronary Syndrome (ACS) – Does Revascularisation Improve Prognosis?. Heart, 2016, 102, A62.2-A62.	1.2	0
36	Does revascularisation for residual ischaemia in patients with ACS influence prognosis?. Journal of Cardiovascular Magnetic Resonance, 2016, 18, O59.	1.6	0

#	Article	IF	Citations
37	Impact of Measurement Variations in Right Atrial Structure and Function on Outcomes. JACC: Cardiovascular Imaging, 2019, 12, 569-570.	2.3	0
38	9â€¦Effect of coffee consumption on arterial stiffness from UK biobank imaging study. , 2019, , .		0
39	110â€¦Corneal biomechanical properties and vascular compliance in the UK biobank cohort. , 2019, , .		0