Gabriella Captur

List of Publications by Year
in descending order

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66 papers	3,526 citations	172457 29 h-index	155660 55 g-index
67 all docs	67 docs citations	67 times ranked	4885 citing authors

#	Article	IF	Citations
1	Identification and Assessment of Anderson-Fabry Disease by Cardiovascular Magnetic Resonance Noncontrast Myocardial T1 Mapping. Circulation: Cardiovascular Imaging, 2013, 6, 392-398.	2.6	399
2	T1 mapping and survival in systemic light-chain amyloidosis. European Heart Journal, 2015, 36, 244-251.	2.2	310
3	Patterns of myocardial injury in recovered troponin-positive COVID-19 patients assessed by cardiovascular magnetic resonance. European Heart Journal, 2021, 42, 1866-1878.	2.2	274
4	Reference ranges (â€œnormal valuesâ€) for cardiovascular magnetic resonance (CMR) in adults and children: 2020 update. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 87.	3.3	233
5	The Relationship of Left Ventricular Trabeculation to Ventricular Function and Structure Over a 9.5-Year Follow-Up. Journal of the American College of Cardiology, 2014, 64, 1971-1980.	2.8	176
6	Quantification of left ventricular trabeculae using fractal analysis. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 36.	3.3	167
7	Extracellular Myocardial Volume in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2020, 75, 304-316.	2.8	141
8	A medical device-grade T1 and ECV phantom for global T1 mapping quality assuranceâ€”the T1 Mapping and ECV Standardization in cardiovascular magnetic resonance (T1MES) program. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 58.	3.3	134
9	Lamin and the heart. Heart, 2018, 104, 468-479.	2.9	113
10	T1 mapping in cardiac MRI. Heart Failure Reviews, 2017, 22, 415-430.	3.9	97
11	Dilated cardiomyopathy and arrhythmogenic left ventricular cardiomyopathy: a comprehensive genotype-imaging phenotype study. European Heart Journal Cardiovascular Imaging, 2020, 21, 326-336.	1.2	90
12	Global longitudinal strain is associated with heart failure outcomes in hypertrophic cardiomyopathy. Heart, 2016, 102, 741-747.	2.9	88
13	Prediction of Sarcomere Mutations in Subclinical Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Imaging, 2014, 7, 863-871.	2.6	80
14	Myocardial native T1 and extracellular volume with healthy ageing and gender. European Heart Journal Cardiovascular Imaging, 2018, 19, 615-621.	1.2	78
15	Splenic Switch-off: A Tool to Assess Stress Adequacy in Adenosine Perfusion Cardiac MR Imaging. Radiology, 2015, 276, 732-740.	7.3	75
16	Abnormal Cardiac Formation in Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Genetics, 2014, 7, 241-248.	5.1	74
17	Distance regularized two level sets for segmentation of left and right ventricles from cine-MRI. Magnetic Resonance Imaging, 2016, 34, 699-706.	1.8	66
18	The fractal heart â€” embracing mathematics in the cardiology clinic. Nature Reviews Cardiology, 2017, 14, 56-64.	13.7	63

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19	Cardiac MRI evaluation of myocardial disease. Heart, 2016, 102, 1429-1435.	2.9	62
20	Cardiac Phenotype of Prehypertrophic Fabry Disease. Circulation: Cardiovascular Imaging, 2018, 11, e007168.	2.6	58
21	Diagnosis and risk stratification in hypertrophic cardiomyopathy using machine learning wall thickness measurement: a comparison with human test-retest performance. The Lancet Digital Health, 2021, 3, e20-e28.	12.3	57
22	Left Atrial Structure in Relationship to Age, Sex, Ethnicity, and Cardiovascular Risk Factors. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	52
23	Fractal Analysis of Myocardial Trabeculations in 2547 Study Participants: Multi-Ethnic Study of Atherosclerosis. Radiology, 2015, 277, 707-715.	7.3	50
24	Morphogenesis of myocardial trabeculae in the mouse embryo. Journal of Anatomy, 2016, 229, 314-325.	1.5	50
25	Trauma induced acute kidney injury. PLoS ONE, 2019, 14, e0211001.	2.5	46
26	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2021, 78, 545-558.	2.8	41
27	Myocardial Fibrosis in Heart Failure: Anti-Fibrotic Therapies and the Role of Cardiovascular Magnetic Resonance in Drug Trials. Cardiology and Therapy, 2020, 9, 363-376.	2.6	35
28	The myocardial phenotype of Fabry disease pre-hypertrophy and pre-detectable storage. European Heart Journal Cardiovascular Imaging, 2021, 22, 790-799.	1.2	35
29	Myocardial Edema, Myocyte Injury, and Disease Severity in Fabry Disease. Circulation: Cardiovascular Imaging, 2020, 13, e010171.	2.6	35
30	Myoarchitectural disarray of hypertrophic cardiomyopathy begins preâ€birth. Journal of Anatomy, 2019, 235, 962-976.	1.5	34
31	Identification of a Multiplex Biomarker Panel for Hypertrophic Cardiomyopathy Using Quantitative Proteomics and Machine Learning. Molecular and Cellular Proteomics, 2020, 19, 114-127.	3.8	32
32	The embryological basis of subclinical hypertrophic cardiomyopathy. Scientific Reports, 2016, 6, 27714.	3.3	29
33	Formation and Malformation of Cardiac Trabeculae: Biological Basis, Clinical Significance, and Special Yield of Magnetic Resonance Imaging in Assessment. Canadian Journal of Cardiology, 2015, 31, 1325-1337.	1.7	28
34	Hypertrabeculated Left Ventricular Myocardium in Relationship to Myocardial Function and Fibrosis: The Multi-Ethnic Study of Atherosclerosis. Radiology, 2017, 284, 667-675.	7.3	25
35	T1 mapping performance and measurement repeatability: results from the multi-national T1 mapping standardization phantom program (T1MES). Journal of Cardiovascular Magnetic Resonance, 2020, 22, 31.	3.3	23
36	Motion-corrected free-breathing LGE delivers high quality imaging and reduces scan time by half: an independent validation study. International Journal of Cardiovascular Imaging, 2019, 35, 1893-1901.	1.5	22

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37	Regional variation in cardiovascular magnetic resonance service delivery across the UK. Heart, 2021, 107, 1974-1979.	2.9	21
38	Abnormal septal convexity into the left ventricle occurs in subclinical hypertrophic cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 64.	3.3	19
39	Maximal Wall Thickness Measurement in Hypertrophic Cardiomyopathy. JACC: Cardiovascular Imaging, 2021, 14, 2123-2134.	5.3	18
40	Community delivery of semiautomated fractal analysis tool in cardiac mr for trabecular phenotyping. Journal of Magnetic Resonance Imaging, 2017, 46, 1082-1088.	3.4	15
41	Impact of lockdown on key workers: findings from the COVID-19 survey in four UK national longitudinal studies. Journal of Epidemiology and Community Health, 2021, 75, 955-962.	3.7	15
42	Myocardial Perfusion Defects in Hypertrophic Cardiomyopathy Mutation Carriers. Journal of the American Heart Association, 2021, 10, e020227.	3.7	15
43	Recreational marathon running does not cause exercise-induced left ventricular hypertrabeculation. International Journal of Cardiology, 2020, 315, 67-71.	1.7	10
44	Non-invasive characterization of pleural and pericardial effusions using T1 mapping by magnetic resonance imaging. European Heart Journal Cardiovascular Imaging, 2022, 23, 1117-1126.	1.2	8
45	Measurement reproducibility of slice-interleaved T1 and T2 mapping sequences over 20 months: A single center study. PLoS ONE, 2019, 14, e0220190.	2.5	7
46	Longitudinal birth cohort study finds that life-course frailty associates with later-life heart size and function. Scientific Reports, 2021, 11, 6272.	3.3	6
47	Study protocol: MyoFit46â€"the cardiac sub-study of the MRC National Survey of Health and Development. BMC Cardiovascular Disorders, 2022, 22, 140.	1.7	4
48	Echocardiographic and Cardiac Magnetic Resonance Imaging-Derived Strains in Relation to Late Gadolinium Enhancement in Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2022, 171, 132-139.	1.6	4
49	Advanced Imaging Insights in ApicalÂHypertrophic Cardiomyopathy. JACC: Cardiovascular Imaging, 2020, 13, 624-630.	5.3	3
50	Anakinra treats fulminant myocarditis fromNeisseria meningitidissepticaemia and haemophagocytic lymphohistiocytosis: a case report. European Heart Journal - Case Reports, 2021, 5, ytab201.	0.6	3
51	004â€…Perfusion mapping in hypertrophic cardiomyopathy: microvascular dysfunction occurs regardless of hypertrophy. Heart, 2017, 103, A4.1-A4.	2.9	2
52	Evolution of hypertrophic cardiomyopathy in sarcomere mutation carriers: TableÂ1. Heart, 2016, 102, 1779-1781.	2.9	1
53	An unusual cause of polymorphic ventricular tachycardia: Acquired long QT syndrome from atypical variant of stress-induced cardiomyopathy. SAGE Open Medical Case Reports, 2020, 8, 2050313X2094430.	0.3	1
54	Therapeutic Dilemmas Faced When Managing a Life-Threatening Presentation of a Myocardial Bridge. Case Reports in Cardiology, 2022, 2022, 1-6.	0.2	1

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55	Declining Levels and Bioavailability of IGF-I in Cardiovascular Aging Associate With QT Prolongationâ€"Results From the 1946 British Birth Cohort. Frontiers in Cardiovascular Medicine, 2022, 9, 863988.	2.4	1
56	013â€...Free-breathing MOCO LGE leads to better image quality and faster scanning times in clinical practice. Heart, 2017, 103, A10-A11.	2.9	0
57	023â€...Myocardial perfusion reserve falls in diabetes and with increasing age â€" a perfusion mapping study. Heart, 2017, 103, A19-A20.	2.9	0
58	Does Fractal Analysis of the Right Side of the Heart Provide Insight into Pulmonary Hypertension?. Radiology, 2018, 288, 396-397.	7.3	0
59	Hypertrophic cardiomyopathy deserves better â€" ditch the 16 segments. Experimental Physiology, 2019, 104, 1591-1592.	2.0	0
60	New-onset heart failure: free-breathing motion-corrected late gadolinium enhancement rescues the endomyocardial fibrosis diagnosis. European Heart Journal, 2019, 40, 3951-3951.	2.2	0
61	Oral Class I and III antiarrhythmic drugs for maintaining sinus rhythm after catheter ablation of atrial fibrillation. The Cochrane Library, 2020, , .	2.8	0
62	Top Cats Often Begin as Underdogs: The Ascent of Trabecular Fractal Analysis with Cardiac MRI. Radiology, 2021, 298, 80-81.	7.3	0
63	Childhood Bradycardia Associates With Atrioventricular Conduction Defects in Older Age: A Longitudinal Birth Cohort Study. Journal of the American Heart Association, 2021, 10, e021877.	3.7	0
64	Familial cardiomyopathy caused by a novel heterozygous mutation in the gene (c.1434dupG): a cardiac MRI-augmented segregation study. Acta Myologica, 2019, 38, 159-162.	1.5	0
65	Subclinical Hypertrophic Cardiomyopathy in Elite Athletes. JACC: Case Reports, 2022, 4, 94-98.	0.6	0
66	Saturation-pulse prepared heart-rate independent inversion-recovery (SAPPHIRE) biventricular T1 mapping: inter-field strength, head-to-head comparison of diastolic, systolic and dark-blood measurements. BMC Medical Imaging, 2022, 22, .	2.7	0