Yang Yang

List of Publications by Year
in descending order

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42 papers	17,975 citations	430442 18 h-index	264894 42 g-index
46 all docs	46 docs citations	46 times ranked	32329 citing authors

#	Article	IF	Citations
1	Early Transmission Dynamics in Wuhan, China, of Novel Coronavirusâ€“Infected Pneumonia. New England Journal of Medicine, 2020, 382, 1199-1207.	13.9	12,326
2	CT Imaging Features of 2019 Novel Coronavirus (2019-nCoV). Radiology, 2020, 295, 202-207.	3.6	2,080
3	Chest CT Findings in Coronavirus Disease-19 (COVID-19): Relationship to Duration of Infection. Radiology, 2020, 295, 200463.	3.6	2,027
4	Artificial intelligenceâ€“enabled rapid diagnosis of patients with COVID-19. Nature Medicine, 2020, 26, 1224-1228.	15.2	757
5	Quantitative cardiovascular magnetic resonance perfusion imaging identifies reduced flow reserve in microvascular coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 14.	1.6	72
6	Pulmonary fibrosis and its related factors in discharged patients with new corona virus pneumonia: a cohort study. Respiratory Research, 2021, 22, 203.	1.4	64
7	Comparison of methods for determining the partition coefficient of gadolinium in the myocardium using T₁mapping. Journal of Magnetic Resonance Imaging, 2013, 38, 217-224.	1.9	58
8	Motion-compensated compressed sensing for dynamic contrast-enhanced MRI using regional spatiotemporal sparsity and region tracking: Block low-rank sparsity with motion-guidance (BLOSM). Magnetic Resonance in Medicine, 2014, 72, 1028-1038.	1.9	56
9	Functional and Economic Impact of INOCA and Influence of Coronary Microvascular Dysfunction. JACC: Cardiovascular Imaging, 2021, 14, 1369-1379.	2.3	46
10	Efficacy and safety assessment of severe COVID-19 patients with Chinese medicine: A retrospective case series study at early stage of the COVID-19 epidemic in Wuhan, China. Journal of Ethnopharmacology, 2021, 277, 113888.	2.0	36
11	Robust free-breathing SASHA T1 mapping with high-contrast image registration. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 47.	1.6	34
12	Simple motion correction strategy reduces respiratory-induced motion artifacts for k-t accelerated and compressed-sensing cardiovascular magnetic resonance perfusion imaging. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 6.	1.6	32
13	Frequency of Coronary Microvascular Dysfunction and Diffuse Myocardial Fibrosis (Measured by) Tj ETQq1 1 0.784314 rgBT /Overloc Ejection Fraction. American Journal of Cardiology, 2019, 124, 1584-1589.	0.7	31
14	Wholeâ€heart spiral simultaneous multiâ€slice firstâ€pass myocardial perfusion imaging. Magnetic Resonance in Medicine, 2019, 81, 852-862.	1.9	29
15	Real-world evaluation of rapid and laboratory-free COVID-19 triage for emergency care: external validation and pilot deployment of artificial intelligence driven screening. The Lancet Digital Health, 2022, 4, e266-e278.	5.9	28
16	Magnetizationâ€prepared GRASP MRI for rapid 3D T1 mapping and fat/waterâ€separated T1 mapping. Magnetic Resonance in Medicine, 2021, 86, 97-114.	1.9	26
17	Freeâ€breathing cine imaging with motionâ€corrected reconstruction at 3T using SPiral Acquisition with Respiratory correction and Cardiac Selfâ€gating (SPARCS). Magnetic Resonance in Medicine, 2019, 82, 706-720.	1.9	24
18	Free-Breathing and Ungated Dynamic MRI Using Navigator-Less Spiral SToRM. IEEE Transactions on Medical Imaging, 2020, 39, 3933-3943.	5.4	20

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19	Adenosine Stress Cardiovascular Magnetic Resonance With Variable-Density Spiral Pulse Sequences Accurately Detects Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2014, 7, 639-646.	1.3	19
20	Firstâ€pass myocardial perfusion imaging with wholeâ€heart coverage using L1â€SPIRiT accelerated variable density spiral trajectories. Magnetic Resonance in Medicine, 2016, 76, 1375-1387.	1.9	18
21	Accelerated two-dimensional cine DENSE cardiovascular magnetic resonance using compressed sensing and parallel imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 38.	1.6	18
22	Dualâ€excitation flipâ€angle simultaneous cine and T₁ mapping using spiral acquisition with respiratory and cardiac selfâ€gating. Magnetic Resonance in Medicine, 2021, 86, 82-96.	1.9	15
23	Amplified Flow Imaging (aFlow): A Novel MRI-Based Tool to Unravel the Coupled Dynamics Between the Human Brain and Cerebrovasculature. IEEE Transactions on Medical Imaging, 2020, 39, 4113-4123.	5.4	13
24	Development, calibration, and testing of 3D amplified MRI (aMRI) for the quantification of intrinsic brain motion. Brain Multiphysics, 2021, 2, 100022.	0.8	12
25	Nonâ€Cartesian sliceâ€GRAPPA and sliceâ€SPIRiT reconstruction methods for multiband spiral cardiac MRI. Magnetic Resonance in Medicine, 2020, 83, 1235-1249.	1.9	9
26	High spatial resolution spiral firstâ€pass myocardial perfusion imaging with wholeâ€heart coverage at 3 T. Magnetic Resonance in Medicine, 2021, 86, 648-662.	1.9	9
27	Brain-mimicking phantom for biomechanical validation of motion sensitive MR imaging techniques. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 122, 104680.	1.5	7
28	Reduced field of view singleâ€shot spiral perfusion imaging. Magnetic Resonance in Medicine, 2018, 79, 208-216.	1.9	6
29	Repeatability and robustness of MPâ€GRASP T₁ mapping. Magnetic Resonance in Medicine, 2022, 87, 2271-2286.	1.9	6
30	Is there a morphometric cause of Chiari malformation type I? Analysis of existing literature. Neurosurgical Review, 2022, 45, 263-273.	1.2	5
31	A Generalized Deep Learning Approach for Evaluating Secondary Pulmonary Tuberculosis on Chest Computed Tomography. SSRN Electronic Journal, 0, , .	0.4	4
32	Quantification of myocardial perfusion with spiral pulse sequences. Journal of Cardiovascular Magnetic Resonance, 2013, 15, E12.	1.6	3
33	Adenosine stress CMR perfusion imaging of the temporal evolution of perfusion defects in a porcine model of progressive obstructive coronary artery occlusion. NMR in Biomedicine, 2019, 32, e4136.	1.6	3
34	Freeâ€breathing selfâ€gated <scp>continuousâ€IR</scp> spiral <scp>T1</scp> mapping: Comparison of dual flipâ€angle and <scp>Blochâ€Siegert B1</scp>â€corrected techniques. Magnetic Resonance in Medicine, 2022, 88, 1068-1080.	1.9	3
35	Compact <scp>MR</scp>â€compatible ergometer and its application in cardiac <scp>MR</scp> under exercise stress: A preliminary study. Magnetic Resonance in Medicine, 2022, 88, 1927-1936.	1.9	3
36	First-pass myocardial perfusion imaging with whole ventricular coverage using L1-SPIRIT accelerated spiral trajectories. Journal of Cardiovascular Magnetic Resonance, 2013, 15, P20.	1.6	2

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37	Motion-corrected compressed-sensing enables robust spiral first-pass perfusion imaging with whole heart coverage. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O81.	1.6	2
38	Quantification of myocardial oxygen extraction fraction: A proofâ€ofâ€concept study. Magnetic Resonance in Medicine, 2021, 85, 3318-3325.	1.9	2
39	Diagnostic Accuracy of Spiral Wholeâ€Heart Quantitative Adenosine Stress Cardiovascular Magnetic Resonance With Motion Compensated L1â€SPIRIT. Journal of Magnetic Resonance Imaging, 2021, 54, 1268-1279.	1.9	2
40	Dynamic Changes in Chest CT Images Over 167 Days in 11 Patients with COVID-19: A Case Series and Literature Review. Zoonoses, 2021, 1, .	0.5	2
41	Adenosine stress CMR with variable density spiral pulse sequences accurately detects CAD with minimal dark-rim artifacts. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O58.	1.6	1
42	High-resolution quantitative spiral perfusion for microvascular coronary dysfunction detection. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P227.	1.6	1