

Junghun Cho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

246
citations

8
h-index

15
g-index

29
ext. papers

348
ext. citations

4.5
avg, IF

3.36
L-index

#	Paper	IF	Citations
26	Oxygen extraction fraction (OEF) assesses cerebral oxygen metabolism of deep gray matter in patients with pre-eclampsia.. <i>European Radiology</i> , 2022 , 1	8	1
25	Quantitative susceptibility mapping and R measurement: Determination of the myelin volume fraction in the aging ex vivo rat corpus callosum. <i>NMR in Biomedicine</i> , 2021 , e4645	4.4	
24	Application of Cluster Analysis of Time Evolution for Magnetic Resonance Imaging -Derived Oxygen Extraction Fraction Mapping: A Promising Strategy for the Genetic Profile Prediction and Grading of Glioma. <i>Frontiers in Neuroscience</i> , 2021 , 15, 736891	5.1	0
23	QQ-NET - using deep learning to solve quantitative susceptibility mapping and quantitative blood oxygen level dependent magnitude (QSM+qBOLD or QQ) based oxygen extraction fraction (OEF) mapping. <i>Magnetic Resonance in Medicine</i> , 2021 , 87, 1583	4.4	1
22	Cerebral oxygen extraction fraction (OEF): Comparison of challenge-free gradient echo QSM+qBOLD (QQ) with O PET in healthy adults. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1658-1668	7.3	13
21	Multiecho complex total field inversion method (mcTFI) for improved signal modeling in quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 2165-2178	4.4	2
20	Temporal clustering, tissue composition, and total variation for mapping oxygen extraction fraction using QSM and quantitative BOLD. <i>Magnetic Resonance in Medicine</i> , 2021 , 86, 2635-2646	4.4	2
19	Deep neural network for water/fat separation: Supervised training, unsupervised training, and no training. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 2263-2277	4.4	3
18	Cerebral oxygen extraction fraction: Comparison of dual-gas challenge calibrated BOLD with CBF and challenge-free gradient echo QSM+qBOLD. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 953-961	4.4	2
17	The Spatiotemporal Evolution of MRI-Derived Oxygen Extraction Fraction and Perfusion in Ischemic Stroke. <i>Frontiers in Neuroscience</i> , 2021 , 15, 716031	5.1	3
16	Brain oxygen extraction fraction mapping in patients with multiple sclerosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 271678X211048031	7.3	1
15	Quantification of brain oxygen extraction fraction using QSM and a hyperoxic challenge. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 3271-3285	4.4	4
14	Cluster analysis of time evolution (CAT) for quantitative susceptibility mapping (QSM) and quantitative blood oxygen level-dependent magnitude (qBOLD)-based oxygen extraction fraction (OEF) and cerebral metabolic rate of oxygen (CMRO) mapping. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 211-227	4.4	16
13	Initial Experience of Challenge-Free MRI-Based Oxygen Extraction Fraction Mapping of Ischemic Stroke at Various Stages: Comparison With Perfusion and Diffusion Mapping. <i>Frontiers in Neuroscience</i> , 2020 , 14, 535441	5.1	8
12	Dipole modeling of multispectral signal for detecting metallic biopsy markers during MRI-guided breast biopsy: a pilot study. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 1380-1389	4.4	1
11	Cerebral OEF quantification: A comparison study between quantitative susceptibility mapping and dual-gas calibrated BOLD imaging. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 68-82	4.4	10
10	Quantitative Susceptibility Mapping of Magnetic Quadrupole Moments. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2019 , 2019, 1-14	0.6	

9	Comparison of gradient echo and gradient echo sampling of spin echo sequence for the quantification of the oxygen extraction fraction from a combined quantitative susceptibility mapping and quantitative BOLD (QSM+qBOLD) approach. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 1491-1503	4.4	4
8	Using an artificial neural network for fast mapping of the oxygen extraction fraction with combined QSM and quantitative BOLD. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 2199-2211	4.4	8
7	Cerebral metabolic rate of oxygen (CMRO) mapping by combining quantitative susceptibility mapping (QSM) and quantitative blood oxygenation level-dependent imaging (qBOLD). <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 1595-1604	4.4	31
6	Quantitative susceptibility mapping-based cerebral metabolic rate of oxygen mapping with minimum local variance. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 172-179	4.4	22
5	Coherence enhancement in quantitative susceptibility mapping by means of anisotropic weighting in morphology enabled dipole inversion. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1172-1180	4.4	2
4	Quantitative Susceptibility Mapping (QSM) Algorithms: Mathematical Rationale and Computational Implementations. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 2531-2545	5	34
3	Susceptibility underestimation in a high-susceptibility phantom: Dependence on imaging resolution, magnitude contrast, and other parameters. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 1080-1086	4.4	32
2	Dual MRI T1 and T2(*) contrast with size-controlled iron oxide nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1679-89	6	41
1	Response of the primary auditory and non-auditory cortices to acoustic stimulation: a manganese-enhanced MRI study. <i>PLoS ONE</i> , 2014 , 9, e90427	3.7	5