

Yi Wang

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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.

63

papers

1,606

citations

19

h-index

39

g-index

74

ext. papers

2,081

ext. citations

4.8

avg, IF

4.65

L-index

#	Paper	IF	Citations
63	Morphology enabled dipole inversion for quantitative susceptibility mapping using structural consistency between the magnitude image and the susceptibility map. <i>NeuroImage</i> , 2012 , 59, 2560-8	7.9	303
62	Quantitative susceptibility mapping of multiple sclerosis lesions at various ages. <i>Radiology</i> , 2014 , 271, 183-92	20.5	164
61	Quantitative susceptibility mapping (QSM) of white matter multiple sclerosis lesions: Interpreting positive susceptibility and the presence of iron. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 564-70	4.4	149
60	Flow compensated quantitative susceptibility mapping for venous oxygenation imaging. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 438-45	4.4	84
59	MEDI+0: Morphology enabled dipole inversion with automatic uniform cerebrospinal fluid zero reference for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2795-2803	4.4	73
58	Accuracy of the morphology enabled dipole inversion (MEDI) algorithm for quantitative susceptibility mapping in MRI. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 816-24	11.7	73
57	Reproducibility of quantitative susceptibility mapping in the brain at two field strengths from two vendors. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1592-600	5.6	69
56	Quantitative susceptibility mapping identifies inflammation in a subset of chronic multiple sclerosis lesions. <i>Brain</i> , 2019 , 142, 133-145	11.2	69
55	Iron in Multiple Sclerosis and Its Noninvasive Imaging with Quantitative Susceptibility Mapping. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	63
54	Quantitative Susceptibility Mapping and R2* Measured Changes during White Matter Lesion Development in Multiple Sclerosis: Myelin Breakdown, Myelin Debris Degradation and Removal, and Iron Accumulation. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1629-35	4.4	41
53	Multiple sclerosis lesion geometry in quantitative susceptibility mapping (QSM) and phase imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 224-9	5.6	38
52	Quantitative Susceptibility Mapping (QSM) Algorithms: Mathematical Rationale and Computational Implementations. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 2531-2545	5	34
51	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
50	Quantitative susceptibility mapping (QSM) minimizes interference from cellular pathology in R2* estimation of liver iron concentration. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 1069-1079	5.6	31
49	Magnetic Susceptibility from Quantitative Susceptibility Mapping Can Differentiate New Enhancing from Nonenhancing Multiple Sclerosis Lesions without Gadolinium Injection. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1794-1799	4.4	28
48	Combining Quantitative Susceptibility Mapping with Automatic Zero Reference (QSM0) and Myelin Water Fraction Imaging to Quantify Iron-Related Myelin Damage in Chronic Active MS Lesions. <i>American Journal of Neuroradiology</i> , 2018 , 39, 303-310	4.4	25
47	The Use of Noncontrast Quantitative MRI to Detect Gadolinium-Enhancing Multiple Sclerosis Brain Lesions: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1317-1322	4.4	23

46	Multicenter reproducibility of quantitative susceptibility mapping in a gadolinium phantom using MEDI+0 automatic zero referencing. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1229-1236	4.4	22
45	In Vivo 7T MR Quantitative Susceptibility Mapping Reveals Opposite Susceptibility Contrast between Cortical and White Matter Lesions in Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1808-1815	4.4	21
44	Quantifying changes in nigrosomes using quantitative susceptibility mapping and neuromelanin imaging for the diagnosis of early-stage Parkinson's disease. <i>British Journal of Radiology</i> , 2018 , 91, 20180037	3.4	19
43	Magnetic susceptibility increases as diamagnetic molecules breakdown: Myelin digestion during multiple sclerosis lesion formation contributes to increase on QSM. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 1281-1287	5.6	17
42	Cardiac quantitative susceptibility mapping (QSM) for heart chamber oxygenation. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1545-1552	4.4	16
41	Left ventricle: fully automated segmentation based on spatiotemporal continuity and myocardium information in cine cardiac magnetic resonance imaging (LV-FAST). <i>BioMed Research International</i> , 2015 , 2015, 367583	3	16
40	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, 844-857	4.4	16
39	High-resolution QSM for functional and structural depiction of subthalamic nuclei in DBS presurgical mapping. <i>Journal of Neurosurgery</i> , 2018 , 131, 360-367	3.2	15
38	Rapid automated liver quantitative susceptibility mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 725-732	5.6	14
37	Diagnostic accuracy of semiautomatic lesion detection plus quantitative susceptibility mapping in the identification of new and enhancing multiple sclerosis lesions. <i>NeuroImage: Clinical</i> , 2018 , 18, 143-148	5.3	11
36	The Role of Systematic and Targeted Biopsies in Light of Overlap on Magnetic Resonance Imaging Ultrasound Fusion Biopsy. <i>European Urology Oncology</i> , 2018 , 1, 263-267	6.7	11
35	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
34	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
33	Discontinuity Preserving Liver MR Registration with 3D Active Contour Motion Segmentation. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 ,	5	8
32	Quantitative susceptibility mapping across two clinical field strengths: Contrast-to-noise ratio enhancement at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 1410-1420	5.6	7
31	A radial self-calibrated (RASCAL) generalized autocalibrating partially parallel acquisition (GRAPPA) method using weight interpolation. <i>NMR in Biomedicine</i> , 2011 , 24, 844-54	4.4	7
30	Region-specific susceptibility change in cognitively impaired patients with diabetes mellitus. <i>PLoS ONE</i> , 2018 , 13, e0205797	3.7	7
29	Clinical Integration of Quantitative Susceptibility Mapping Magnetic Resonance Imaging into Neurosurgical Practice. <i>World Neurosurgery</i> , 2019 , 122, e10-e19	2.1	6

28	MRI based texture analysis to classify low grade gliomas into astrocytoma and 1p/19q codeleted oligodendroglioma. <i>Magnetic Resonance Imaging</i> , 2019 , 57, 254-258	3.3	6
27	Magnetic Susceptibility and Fat Content in the Lumbar Spine of Postmenopausal Women With Varying Bone Mineral Density. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, 1020-1028	5.6	6
26	Evaluation of oxygen extraction fraction in systemic lupus erythematosus patients using quantitative susceptibility mapping. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1648-1658	7.3	6
25	Primal-dual and forward gradient implementation for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 2416-2427	4.4	5
24	Automated adaptive preconditioner for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 271-285	4.4	5
23	Characterization of Carotid Plaque Components by Quantitative Susceptibility Mapping. <i>American Journal of Neuroradiology</i> , 2020 , 41, 310-317	4.4	4
22	Vastly accelerated linear least-squares fitting with numerical optimization for dual-input delay-compensated quantitative liver perfusion mapping. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2415-2421	4.4	4
21	The influence of molecular order and microstructure on the R2* and the magnetic susceptibility tensor. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 682-9	3.3	4
20	Quantitative transport mapping (QTM) of the kidney with an approximate microvascular network. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 2247-2262	4.4	4
19	Quantitative susceptibility mapping of carotid plaques using nonlinear total field inversion: Initial experience in patients with significant carotid stenosis. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 1501-1509	4.4	3
18	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
17	Brain Injury Lesion Imaging Using Preconditioned Quantitative Susceptibility Mapping without Skull Stripping. <i>American Journal of Neuroradiology</i> , 2018 , 39, 648-653	4.4	2
16	Multiple Regions of Interest on Multiparametric Magnetic Resonance Imaging are Not Associated with Increased Detection of Clinically Significant Prostate Cancer on Fusion Biopsy. <i>Journal of Urology</i> , 2018 , 200, 559-563	2.5	2
15	Fast and Robust Unsupervised Identification of MS Lesion Change Using the Statistical Detection of Changes Algorithm. <i>American Journal of Neuroradiology</i> , 2018 , 39, 830-833	4.4	2
14	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
13	Reconstruction of highly under-sampled dynamic MRI using sparse representation of 1D temporal snippets 2015 ,		2
12	Motion artifact suppression in breath hold 3D contrast enhanced magnetic resonance angiography using ECG ordering. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 739-42		2
11	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

10	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
9	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
8	Patents on Quantitative Susceptibility Mapping (QSM) of Tissue Magnetism. <i>Recent Patents on Biotechnology</i> , 2019 , 13, 90-113	2.2	1
7	Quantitative Susceptibility Mapping of the Thalamus: Relationships with Thalamic Volume, Total Gray Matter Volume, and T2 Lesion Burden. <i>American Journal of Neuroradiology</i> , 2018 , 39, 467-472	4.4	1
6	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
5	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
4	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
3	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	
2	Spatially Adaptive Regularization in Total Field Inversion for Quantitative Susceptibility Mapping. <i>IScience</i> , 2020 , 23, 101553	6.1	
1	IRIS-Intelligent Rapid Interactive Segmentation for Measuring Liver Cyst Volumes in Autosomal Dominant Polycystic Kidney Disease.. <i>Tomography</i> , 2022 , 8, 447-456	3.1	