

# Zhe Liu

## 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.

21  
papers

615  
citations

12  
h-index

21  
g-index

21  
ext. papers

840  
ext. citations

4.4  
avg, IF

3.79  
L-index

#	Paper	IF	Citations
21	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> , <b>2020</b> , 84, 1501-1509	4.4	3
20	Validation of MRI quantitative susceptibility mapping of superparamagnetic iron oxide nanoparticles for hyperthermia applications in live subjects. <i>Scientific Reports</i> , <b>2020</b> , 10, 1171	4.9	8
19	Fidelity imposed network edit (FINE) for solving ill-posed image reconstruction. <i>NeuroImage</i> , <b>2020</b> , 211, 116579	7.9	18
18	Automated adaptive preconditioner for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 271-285	4.4	5
17	Clinical feasibility of brain quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , <b>2019</b> , 60, 44-51	3.3	7
16	Clinical Integration of Automated Processing for Brain Quantitative Susceptibility Mapping: Multi-Site Reproducibility and Single-Site Robustness. <i>Journal of Neuroimaging</i> , <b>2019</b> , 29, 689-698	2.8	13
15	Quantitative susceptibility mapping of the spine using in-phase echoes to initialize inhomogeneous field and R2* for the nonconvex optimization problem of fat-water separation. <i>NMR in Biomedicine</i> , <b>2019</b> , 32, e4156	4.4	3
14	Free breathing three-dimensional cardiac quantitative susceptibility mapping for differential cardiac chamber blood oxygenation - initial validation in patients with cardiovascular disease inclusive of direct comparison to invasive catheterization. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2019</b> , 21, 70	6.9	5
13	Rapid automated liver quantitative susceptibility mapping. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 725-732	5.6	14
12	Brain Injury Lesion Imaging Using Preconditioned Quantitative Susceptibility Mapping without Skull Stripping. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 648-653	4.4	2
11	Bone quantitative susceptibility mapping using a chemical species-specific R2* signal model with ultrashort and conventional echo data. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 121-128	4.4	41
10	Coherence enhancement in quantitative susceptibility mapping by means of anisotropic weighting in morphology enabled dipole inversion. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 1172-1180	4.4	2
9	Cardiac quantitative susceptibility mapping (QSM) for heart chamber oxygenation. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 1545-1552	4.4	16
8	MEDI+0: Morphology enabled dipole inversion with automatic uniform cerebrospinal fluid zero reference for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 2795-2803	4.4	73
7	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> , <b>2018</b> , 39, 303-310	4.4	25
6	Quantitative susceptibility mapping: Report from the 2016 reconstruction challenge. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 1661-1673	4.4	95
5	Susceptibility-Based Neuroimaging: Standard Methods, Clinical Applications, and Future Directions. <i>Current Radiology Reports</i> , <b>2017</b> , 5, 1	0.5	4

4	The clinical utility of QSM: disease diagnosis, medical management, and surgical planning. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3668	4.4	44
3	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 46, 951-971	5.6	128
2	Quantitative Susceptibility Mapping (QSM) Algorithms: Mathematical Rationale and Computational Implementations. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2017</b> , 64, 2531-2545	5	34
1	Preconditioned total field inversion (TFI) method for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 303-315	4.4	75