Yongsheng Chen

List of Publications by Year
in descending order

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40 papers	686 citations	687363 13 h-index	610901 24 g-index
40 all docs	40 docs citations	40 times ranked	917 citing authors

#	Article	IF	Citations
1	Susceptibilityâ€weighted imaging: current status and future directions. NMR in Biomedicine, 2017, 30, e3552.	2.8	121
2	STrategically Acquired Gradient Echo (STAGE) imaging, part I: Creating enhanced T1 contrast and standardized susceptibility weighted imaging and quantitative susceptibility mapping. Magnetic Resonance Imaging, 2018, 46, 130-139.	1.8	76
3	Cerebral microbleed detection using Susceptibility Weighted Imaging and deep learning. NeuroImage, 2019, 198, 271-282.	4.2	55
4	STrategically Acquired Gradient Echo (STAGE) imaging, part III: Technical advances and clinical applications of a rapid multi-contrast multi-parametric brain imaging method. Magnetic Resonance Imaging, 2020, 65, 15-26.	1.8	46
5	STrategically Acquired Gradient Echo (STAGE) imaging, part II: Correcting for RF inhomogeneities in estimating T1 and proton density. Magnetic Resonance Imaging, 2018, 46, 140-150.	1.8	42
6	Imaging iron and neuromelanin simultaneously using a single 3D gradient echo magnetization transfer sequence: Combining neuromelanin, iron and the nigrosome-1 sign as complementary imaging biomarkers in early stage Parkinson's disease. NeuroImage, 2021, 230, 117810.	4.2	34
7	Peripheral nerve magnetic resonance imaging. F1000Research, 2019, 8, 1803.	1.6	34
8	An interleaved sequence for simultaneous magnetic resonance angiography (MRA), susceptibility weighted imaging (SWI) and quantitative susceptibility mapping (QSM). Magnetic Resonance Imaging, 2018, 47, 1-6.	1.8	23
9	Rapid multicontrast brain imaging on a 0.35T MRâ€linac. Medical Physics, 2020, 47, 4064-4076.	3.0	21
10	Optimizing neuromelanin contrast in the substantia nigra and locus coeruleus using a magnetization transfer contrast prepared 3D gradient recalled echo sequence. NeuroImage, 2020, 218, 116935.	4.2	20
11	Visualizing the lateral habenula using susceptibility weighted imaging and quantitative susceptibility mapping. Magnetic Resonance Imaging, 2020, 65, 55-61.	1.8	18
12	Magnetic Resonance Spectroscopy-Detected Change in Marrow Adiposity Is Strongly Correlated to Postmenopausal Breast Cancer Risk. Clinical Breast Cancer, 2017, 17, 239-244.	2.4	17
13	Subvoxel vascular imaging of the midbrain using USPIO-Enhanced MRI. NeuroImage, 2020, 220, 117106.	4.2	17
14	Intracranial iron distribution and quantification in aceruloplasminemia: A case study. Magnetic Resonance Imaging, 2020, 70, 29-35.	1.8	16
15	Quantitative Susceptibility Mapping for Characterization of Intraplaque Hemorrhage and Calcification in Carotid Atherosclerotic Disease. Journal of Magnetic Resonance Imaging, 2020, 52, 534-541.	3.4	15
16	Detecting sub-voxel microvasculature with USPIO-enhanced susceptibility-weighted MRI at 7ÂT. Magnetic Resonance Imaging, 2020, 67, 90-100.	1.8	13
17	Multi-Echo Quantitative Susceptibility Mapping for Strategically Acquired Gradient Echo (STAGE) Imaging. Frontiers in Neuroscience, 2020, 14, 581474.	2.8	13
18	Revealing vascular abnormalities and measuring small vessel density in multiple sclerosis lesions using USPIO. NeuroImage: Clinical, 2021, 29, 102525.	2.7	13

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19	Imaging of the Spinal Cord in Multiple Sclerosis: Past, Present, Future. Brain Sciences, 2020, 10, 857.	2.3	10
20	Plaque characteristics of middle cerebral artery assessed using strategically acquired gradient echo (STAGE) and vessel wall MR contribute to misery downstream perfusion in patients with intracranial atherosclerosis. European Radiology, 2021, 31, 65-75.	4.5	9
21	Automation of Quantifying Axonal Loss in Patients with Peripheral Neuropathies through Deep Learning Derived Muscle Fat Fraction. Journal of Magnetic Resonance Imaging, 2021, 53, 1539-1549.	3.4	7
22	All Central Nervous System Neuro- and Vascular-Communication Channels Are Surrounded With Cerebrospinal Fluid. Frontiers in Neurology, 2021, 12, 614636.	2.4	7
23	A Comparison of Magnetic Resonance Imaging Methods to Assess Multiple Sclerosis Lesions: Implications for Patient Characterization and Clinical Trial Design. Diagnostics, 2022, 12, 77.	2.6	7
24	Demyelination in hereditary sensory neuropathy typeâ€1C. Annals of Clinical and Translational Neurology, 2020, 7, 1502-1512.	3.7	6
25	Vascular mapping of the human hippocampus using Ferumoxytol-enhanced MRI. NeuroImage, 2022, 250, 118957.	4.2	6
26	Susceptibility mapping of the dural sinuses and other superficial veins in the brain. Magnetic Resonance Imaging, 2019, 57, 19-27.	1.8	5
27	Short- and midterm reproducibility of marrow fat measurements using mDixon imaging in healthy postmenopausal women. Skeletal Radiology, 2016, 45, 1385-1390.	2.0	4
28	Quantitative MRI using STrategically Acquired Gradient Echo (STAGE): optimization for 1.5 T scanners and T1 relaxation map validation. European Radiology, 2021, 31, 4504-4513.	4.5	4
29	STAGE as a multicenter, multivendor protocol for imaging Parkinsonâ€™s disease: a validation study on healthy controls. Chinese Journal of Academic Radiology, 2022, 5, 47-60.	0.6	4
30	The role of the parenchymal vascular system in cerebrospinal fluid tracer clearance. European Radiology, 2023, 33, 656-665.	4.5	4
31	Fatigue in patients with hereditary neuropathy with liability to pressure palsies. Annals of Clinical and Translational Neurology, 2020, 7, 1400-1409.	3.7	3
32	Strategically acquired gradient echo (STAGE)-derived MR angiography might be a superior alternative method to time-of-flight MR angiography in visualization of leptomeningeal collaterals. European Radiology, 2020, 30, 5110-5119.	4.5	3
33	Fetal brain tissue characterization at 1.5 T using STrategically Acquired Gradient Echo (STAGE) imaging. European Radiology, 2021, 31, 5586-5594.	4.5	3
34	A rapid, robust multi-echo phase unwrapping method for quantitative susceptibility mapping (QSM) using strategically acquired gradient echo (STAGE) data acquisition. , 2018, , .		3
35	Brain iron deposition and movement disorders in hereditary haemochromatosis without liver failure: A crossâ€sectional study. European Journal of Neurology, 2022, , .	3.3	3
36	Quantifying Brain Iron in Hereditary Hemochromatosis Using R2* and Susceptibility Mapping. American Journal of Neuroradiology, 2022, 43, 991-997.	2.4	2

#	Article	IF	Citations
37	Cover Image, Volume 30, Issue 4. NMR in Biomedicine, 2017, 30, i.	2.8	1
38	Quantifying Tissue Properties of the Optic Radiations Using Strategically Acquired Gradient Echo Imaging and Enhancing the Contrast Using Diamagnetic Susceptibility Weighted Imaging. American Journal of Neuroradiology, 2021, 42, 285-287.	2.4	1
39	MR imaging of intracranial and extracranial veins. Italian Journal of Vascular and Endovascular Surgery, 2018, 25, .	1.0	0
40	Principles of susceptibility-weighted MRI. Advances in Magnetic Resonance Technology and Applications, 2021, 4, 341-357.	0.1	0