Xu Li

List of Publications by Year
in descending order

49 papers	1,835 citations	279701 23 h-index	276775 41 g-index
50 all docs	50 docs citations	50 times ranked	1956 citing authors

#	Article	IF	Citations
1	Quantitative Susceptibility Mapping of Brain Iron and Î²-Amyloid in MRI and PET Relating to Cognitive Performance in Cognitively Normal Older Adults. Radiology, 2021, 298, 353-362.	3.6	29
2	Diffusion-regularized susceptibility tensor imaging (DRSTI) of tissue microstructures in the human brain. Medical Image Analysis, 2021, 67, 101827.	7.0	16
3	Multi-layer analysis of quantitative 7â€‰T magnetic resonance imaging in the cortex of multiple sclerosis patients reveals pathology associated with disability. Multiple Sclerosis Journal, 2021, 27, 2040-2051.	1.4	10
4	Singleâ€step calculation of susceptibility through multiple orientation sampling. NMR in Biomedicine, 2021, 34, e4517.	1.6	3
5	White matter demyelination predates axonal injury after ischemic stroke in cynomolgus monkeys. Experimental Neurology, 2021, 340, 113655.	2.0	9
6	APOE4 moderates effects of cortical iron on synchronized default mode network activity in cognitively healthy oldâ€aged adults. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12002.	1.2	23
7	Learned Proximal Networks for Quantitative Susceptibility Mapping. Lecture Notes in Computer Science, 2020, 12262, 125-135.	1.0	14
8	Extracellular vesicles reveal abnormalities in neuronal iron metabolism in restless legs syndrome. Sleep, 2019, 42, .	0.6	13
9	Multi-atlas tool for automated segmentation of brain gray matter nuclei and quantification of their magnetic susceptibility. NeuroImage, 2019, 191, 337-349.	2.1	54
10	Altered brain iron content and deposition rate in Huntingtonâ€™s disease as indicated by quantitative susceptibility MRI. Journal of Neuroscience Research, 2019, 97, 467-479.	1.3	45
11	Background field removal for susceptibility mapping of human brain with large susceptibility variations. Magnetic Resonance in Medicine, 2019, 81, 2025-2037.	1.9	12
12	Low cortical iron and high entorhinal cortex volume promote cognitive functioning in the oldest-old. Neurobiology of Aging, 2018, 64, 68-75.	1.5	25
13	Nucleiâ€specific deposits of iron and calcium in the rat thalamus after status epilepticus revealed with quantitative susceptibility mapping (QSM). Journal of Magnetic Resonance Imaging, 2018, 47, 554-564.	1.9	26
14	Quantitative susceptibility mapping: Report from the 2016 reconstruction challenge. Magnetic Resonance in Medicine, 2018, 79, 1661-1673.	1.9	151
15	Susceptibility tensor imaging (STI) of the brain. NMR in Biomedicine, 2017, 30, e3540.	1.6	59
16	Background field removal using a region adaptive kernel for quantitative susceptibility mapping of human brain. Journal of Magnetic Resonance, 2017, 281, 130-140.	1.2	12
17	Memory performance-related dynamic brain connectivity indicates pathological burden and genetic risk for Alzheimerâ€™s disease. Alzheimer's Research and Therapy, 2017, 9, 24.	3.0	43
18	Brain imaging and networks in restless legs syndrome. Sleep Medicine, 2017, 31, 39-48.	0.8	70

#	Article	IF	Citations
19	Magnetic susceptibility contrast variations in multiple sclerosis lesions. Journal of Magnetic Resonance Imaging, 2016, 43, 463-473.	1.9	79
20	B₀â€orientation dependent magnetic susceptibilityâ€induced white matter contrast in the human brainstem at 11.7T. Magnetic Resonance in Medicine, 2016, 75, 2455-2463.	1.9	18
21	Quantitative Susceptibility Mapping Using Structural Feature Based Collaborative Reconstruction<?Pub _newline ?>(SFCR) in the Human Brain. IEEE Transactions on Medical Imaging, 2016, 35, 2040-2050.	5.4	37
22	Magnetoacoustic tomography with magnetic induction (MAT-MI) for imaging electrical conductivity of biological tissue: a tutorial review. Physics in Medicine and Biology, 2016, 61, R249-R270.	1.6	37
23	Brain iron deficiency in idiopathic restless legs syndrome measured by quantitative magnetic susceptibility at 7 tesla. Sleep Medicine, 2016, 22, 75-82.	0.8	70
24	Lesion Heterogeneity on High-Field Susceptibility MRI Is Associated with Multiple Sclerosis Severity. American Journal of Neuroradiology, 2016, 37, 1447-1453.	1.2	73
25	Quantitative Susceptibility Mapping Suggests Altered Brain Iron in Premanifest Huntington Disease. American Journal of Neuroradiology, 2016, 37, 789-796.	1.2	107
26	Susceptibilityâ€based analysis of dynamic gadolinium bolus perfusion MRI. Magnetic Resonance in Medicine, 2015, 73, 544-554.	1.9	19
27	Mean magnetic susceptibility regularized susceptibility tensor imaging (<scp>MMSR</scp>â€<scp>STI</scp>) for estimating orientations of white matter fibers in human brain. Magnetic Resonance in Medicine, 2014, 72, 610-619.	1.9	27
28	Quantitative magnetic susceptibility mapping without phase unwrapping using WASSR. NeuroImage, 2014, 86, 265-279.	2.1	17
29	A 3-D Reconstruction Solution to Current Density Imaging Based on Acoustoelectric Effect by Deconvolution: A Simulation Study. IEEE Transactions on Biomedical Engineering, 2013, 60, 1181-1190.	2.5	18
30	Human brain atlas for automated region of interest selection in quantitative susceptibility mapping: Application to determine iron content in deep gray matter structures. NeuroImage, 2013, 82, 449-469.	2.1	138
31	Mapping magnetic susceptibility anisotropies of white matter in vivo in the human brain at 7T. NeuroImage, 2012, 62, 314-330.	2.1	92
32	Three-dimensional noninvasive ultrasound Joule heat tomography based on the acousto-electric effect using unipolar pulses: a simulation study. Physics in Medicine and Biology, 2012, 57, 7689-7708.	1.6	7
33	B-Scan Based Acoustic Source Reconstruction for Magnetoacoustic Tomography With Magnetic Induction (MAT-MI). IEEE Transactions on Biomedical Engineering, 2011, 58, 713-720.	2.5	30
34	Magnetoacoustic tomography with magnetic induction (MAT-MI) for breast tumor imaging: numerical modeling and simulation. Physics in Medicine and Biology, 2011, 56, 1967-1983.	1.6	12
35	3D current source density imaging based on the acoustoelectric effect: a simulation study using unipolar pulses. Physics in Medicine and Biology, 2011, 56, 3825-3842.	1.6	23
36	Three-dimensional multiexcitation magnetoacoustic tomography with magnetic induction. Journal of Applied Physics, 2010, 108, 124702.	1.1	16

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37	Comparison Study of Three Different Image Reconstruction Algorithms for MAT-MI. IEEE Transactions on Biomedical Engineering, 2010, 57, 708-713.	2.5	18
38	Multi-excitation Magnetoacoustic Tomography With Magnetic Induction for Bioimpedance Imaging. IEEE Transactions on Medical Imaging, 2010, 29, 1759-1767.	5.4	43
39	Imaging biological tissues with electrical conductivity contrast below 1â€,Sâ€‰mâˆ'1 by means of magnetoacoustic tomography with magnetic induction. Applied Physics Letters, 2010, 97, .	1.5	36
40	Magnetoacoustic tomography with magnetic induction (MAT-MI) for electrical conductivity imaging. , 2009, 2009, 3173-6.		3
41	Solving the forward problem of magnetoacoustic tomography with magnetic induction by means of the finite element method. Physics in Medicine and Biology, 2009, 54, 2667-2682.	1.6	22
42	Reconstruction of Vectorial Acoustic Sources in Time-Domain Tomography. IEEE Transactions on Medical Imaging, 2009, 28, 669-675.	5.4	34
43	Acoustic vector tomography and its application to magnetoacoustic tomography with magnetic induction (MAT-MI). , 2008, 2008, 5834-6.		3
44	A Simulation Study of Two Dimensional Magnetoacoustic Tomography with Magnetic Induction. , 2007, , .		0
45	Magnetoacoustic Tomography of Biological Tissue with Magnetic Induction. , 2007, , .		2
46	Magnetoacoustic tomographic imaging of electrical impedance with magnetic induction. Applied Physics Letters, 2007, 91, 083903.	1.5	60
47	Imaging Electrical Impedance From Acoustic Measurements by Means of Magnetoacoustic Tomography With Magnetic Induction (MAT-MI). IEEE Transactions on Biomedical Engineering, 2007, 54, 323-330.	2.5	95
48	Magnetoacoustic tomography with magnetic induction for imaging electrical impedance of biological tissue. Journal of Applied Physics, 2006, 99, 066112.	1.1	81
49	Simulation and Experiment Study of Magnetoacoustic Tomography with Magnetic Induction (MAT-MI) for Bioimpedance Imaging. , 0, , .		3