Sina Straub

List of Publications by Year
in descending order

23 papers	638 citations	933447 10 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	1235 citing authors

#	Article	IF	Citations
1	A novel gradient echo data based vein segmentation algorithm and its application for the detection of regional cerebral differences in venous susceptibility. NeuroImage, 2022, 250, 118931.	4.2	1
2	The traveling heads 2.0: Multicenter reproducibility of quantitative imaging methods at 7 Tesla. NeuroImage, 2021, 232, 117910.	4.2	31
3	Multiparametric MRI for Characterization of the Basal Ganglia and the Midbrain. Frontiers in Neuroscience, 2021, 15, 661504.	2.8	4
4	A novel phantom with dia- and paramagnetic substructure for quantitative susceptibility mapping and relaxometry. Physica Medica, 2021, 88, 278-284.	0.7	3
5	On the separation of susceptibility sources in quantitative susceptibility mapping: Theory and phantom validation with an in vivo application to multiple sclerosis lesions of different age. Journal of Magnetic Resonance, 2021, 330, 107033.	2.1	15
6	Assessment of Melanin Content and its Influence on Susceptibility Contrast in Melanoma Metastases. Clinical Neuroradiology, 2020, 30, 607-614.	1.9	9
7	Susceptibility-Based Characterization of Cerebral Arteriovenous Malformations. Investigative Radiology, 2020, 55, 702-710.	6.2	6
8	Toward quantitative neuroimaging biomarkers for Friedreich's ataxia at 7 Tesla: Susceptibility mapping, diffusion imaging, R₂ and R₁ relaxometry. Journal of Neuroscience Research, 2020, 98, 2219-2231.	2.9	7
9	On the influence of two coexisting species of susceptibility-producing structures on the R2â^— relaxation rate. Magnetic Resonance Imaging, 2020, 71, 170-177.	1.8	6
10	Quantitative susceptibility mapping depicts severe myelin deficit and iron deposition in a transgenic model of multiple system atrophy. Experimental Neurology, 2020, 329, 113314.	4.1	8
11	European Ultrahighâ€Field Imaging Network for Neurodegenerative Diseases (EUFIND). Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 538-549.	2.4	17
12	Mapping the human brainstem: Brain nuclei and fiber tracts at 3 T and 7 T. NMR in Biomedicine, 2019, 32, e4118.	2.8	12
13	Rapid and accurate dictionaryâ€based T₂ mapping from multiâ€echo turbo spin echo data at 7 Tesla. Journal of Magnetic Resonance Imaging, 2019, 49, 1253-1262.	3.4	14
14	Technical Note: On the size of susceptibilityâ€induced <scp>MR</scp> image distortions in prostate and cervix in the context of <scp>MR</scp>â€guided radiation therapy. Medical Physics, 2018, 45, 1586-1593.	3.0	10
15	Quantitative susceptibility mapping and ²³Na imagingâ€based in vitro characterization of blood clotting kinetics. NMR in Biomedicine, 2018, 31, e3926.	2.8	5
16	Pros and cons of ultra-high-field MRI/MRS for human application. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 109, 1-50.	7.5	331
17	MAVEN: An Algorithm for Multi-Parametric Automated Segmentation of Brain Veins From Gradient Echo Acquisitions. IEEE Transactions on Medical Imaging, 2017, 36, 1054-1065.	8.9	12
18	Potential of quantitative susceptibility mapping for detection of prostatic calcifications. Journal of Magnetic Resonance Imaging, 2017, 45, spcone.	3.4	2

#	Article	IF	Citations
19	Suitable reference tissues for quantitative susceptibility mapping of the brain. Magnetic Resonance in Medicine, 2017, 78, 204-214.	3.0	80
20	Potential of quantitative susceptibility mapping for detection of prostatic calcifications. Journal of Magnetic Resonance Imaging, 2017, 45, 889-898.	3.4	54
21	Mask-Adapted Background Field Removal for Artifact Reduction in Quantitative Susceptibility Mapping of the Prostate. Tomography, 2017, 3, 96-100.	1.8	9
22	On contrast mechanisms in pâ€šspace imaging. Magnetic Resonance in Medicine, 2016, 75, 2526-2533.	3.0	2
23	The Ruelle Transfer Operator in the Context of Orthogonal Polynomials. Complex Analysis and Operator Theory, 2014, 8, 709-732.	0.6	0