

Sina Straub

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

638
citations

933447

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h-index

677142

22
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23
all docs

23
docs citations

23
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Suitable reference tissues for quantitative susceptibility mapping of the brain. Magnetic Resonance in Medicine, 2017, 78, 204-214.	3.0	80
3	Potential of quantitative susceptibility mapping for detection of prostatic calcifications. Journal of Magnetic Resonance Imaging, 2017, 45, 889-898.	3.4	54
4	The traveling heads 2.0: Multicenter reproducibility of quantitative imaging methods at 7 Tesla. NeuroImage, 2021, 232, 117910.	4.2	31
5	European Ultrahigh-Field Imaging Network for Neurodegenerative Diseases (EUFIND). Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 538-549.	2.4	17
6	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
7	Rapid and accurate dictionary-based T_2 mapping from multi-echo turbo spin echo data at 7 Tesla. Journal of Magnetic Resonance Imaging, 2019, 49, 1253-1262.	3.4	14
8	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
9	Mapping the human brainstem: Brain nuclei and fiber tracts at 3 T and 7 T. NMR in Biomedicine, 2019, 32, e4118.	2.8	12
10	Technical Note: On the size of susceptibility-induced MR image distortions in prostate and cervix in the context of MR-guided radiation therapy. Medical Physics, 2018, 45, 1586-1593.	3.0	10
11	Assessment of Melanin Content and its Influence on Susceptibility Contrast in Melanoma Metastases. Clinical Neuroradiology, 2020, 30, 607-614.	1.9	9
12	Mask-Adapted Background Field Removal for Artifact Reduction in Quantitative Susceptibility Mapping of the Prostate. Tomography, 2017, 3, 96-100.	1.8	9
13	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
14	Toward quantitative neuroimaging biomarkers for Friedreich's ataxia at 7 Tesla: Susceptibility mapping, diffusion imaging, T_2 and T_1 relaxometry. Journal of Neuroscience Research, 2020, 98, 2219-2231.	2.9	7
15	Susceptibility-Based Characterization of Cerebral Arteriovenous Malformations. Investigative Radiology, 2020, 55, 702-710.	6.2	6
16	On the influence of two coexisting species of susceptibility-producing structures on the R_2^* -relaxation rate. Magnetic Resonance Imaging, 2020, 71, 170-177.	1.8	6
17	Quantitative susceptibility mapping and ^{23}Na imaging-based <i>in vitro</i> characterization of blood clotting kinetics. NMR in Biomedicine, 2018, 31, e3926.	2.8	5
18	Multiparametric MRI for Characterization of the Basal Ganglia and the Midbrain. Frontiers in Neuroscience, 2021, 15, 661504.	2.8	4

#	ARTICLE	IF	CITATIONS
19	A novel phantom with dia- and paramagnetic substructure for quantitative susceptibility mapping and relaxometry. <i>Physica Medica</i> , 2021, 88, 278-284.	0.7	3
20	On contrast mechanisms in p�space imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2526-2533.	3.0	2
21	Potential of quantitative susceptibility mapping for detection of prostatic calcifications. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, spcone.	3.4	2
22	A novel gradient echo data based vein segmentation algorithm and its application for the detection of regional cerebral differences in venous susceptibility. <i>NeuroImage</i> , 2022, 250, 118931.	4.2	1
23	The Ruelle Transfer Operator in the Context of Orthogonal Polynomials. <i>Complex Analysis and Operator Theory</i> , 2014, 8, 709-732.	0.6	0