

Farshid Sepehrband

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,356
citations

394421

19
h-index

315739

38
g-index

62
all docs

62
docs citations

62
times ranked

3730
citing authors

#	ARTICLE	IF	CITATIONS
1	Life After Mild Traumatic Brain Injury: Widespread Structural Brain Changes Associated With Psychological Distress Revealed With Multimodal Magnetic Resonance Imaging. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 374-385.	2.2	3
2	The effect of prolonged spaceflight on cerebrospinal fluid and perivascular spaces of astronauts and cosmonauts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120439119.	7.1	26
3	Imaging perivascular space structure and function using brain MRI. <i>NeuroImage</i> , 2022, 257, 119329.	4.2	29
4	Body mass index, time of day and genetics affect perivascular spaces in the white matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1563-1578.	4.3	57
5	Global and Regional Changes in Perivascular Space in Idiopathic and Familial Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 1126-1136.	3.9	49
6	Perivascular Space Imaging at Ultrahigh Field MR Imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021, 29, 67-75.	1.1	19
7	Homologous laminar organization of the mouse and human subiculum. <i>Scientific Reports</i> , 2021, 11, 3729.	3.3	7
8	Volumetric distribution of perivascular space in relation to mild cognitive impairment. <i>Neurobiology of Aging</i> , 2021, 99, 28-43.	3.1	45
9	Retrospective motion artifact correction of structural MRI images using deep learning improves the quality of cortical surface reconstructions. <i>NeuroImage</i> , 2021, 230, 117756.	4.2	39
10	Three-dimensional self-attention conditional GAN with spectral normalization for multimodal neuroimaging synthesis. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1718-1733.	3.0	28
11	White Matter Microstructural Differences in Youth With Classical Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3196-3212.	3.6	8
12	Microstructural properties within the amygdala and affiliated white matter tracts across adolescence. <i>NeuroImage</i> , 2021, 243, 118489.	4.2	10
13	Differential correlation of white matter hyperintensity with Alzheimer's pathology within A/T groups. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
14	Microstructural mapping of dentate gyrus pathology in Alzheimer's disease: A 16.4 Tesla magnetic resonance imaging study. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0
15	Premortem perivascular space morphology is a predictor of postmortem glia tau pathology in Alzheimer's disease.. <i>Alzheimer's and Dementia</i> , 2021, 17 Suppl 3, e054579.	0.8	0
16	Imputation Strategy for Reliable Regional MRI Morphological Measurements. <i>Neuroinformatics</i> , 2020, 18, 59-70.	2.8	13
17	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. <i>NeuroImage</i> , 2020, 221, 117128.	4.2	54
18	Intracellular signal changes in the anterosuperior medial temporal lobe associated with early cognitive decline. <i>Alzheimer's and Dementia</i> , 2020, 16, e044218.	0.8	0

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19	Perivascular space alteration in idiopathic and familial Parkinson's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e044269.	0.8	0
20	Alteration of perivascular spaces in early cognitive decline. <i>Alzheimer's and Dementia</i> , 2020, 16, e045605.	0.8	2
21	Acquiring and Predicting Multidimensional Diffusion (MUDI) Data: An Open Challenge. <i>Mathematics and Visualization</i> , 2020, , 195-208.	0.6	8
22	Image processing approaches to enhance perivascular space visibility and quantification using MRI. <i>Scientific Reports</i> , 2019, 9, 12351.	3.3	67
23	Muti-shell Diffusion MRI Harmonisation and Enhancement Challenge (MUSHAC): Progress and Results. <i>Mathematics and Visualization</i> , 2019, , 217-224.	0.6	12
24	Perivascular space fluid contributes to diffusion tensor imaging changes in white matter. <i>NeuroImage</i> , 2019, 197, 243-254.	4.2	62
25	Nonparenchymal fluid is the source of increased mean diffusivity in preclinical Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 348-354.	2.4	11
26	Undetectable gadolinium brain retention in individuals with an age-dependent blood-brain barrier breakdown in the hippocampus and mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2019, 15, 1568-1575.	0.8	22
27	Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. <i>Nature Medicine</i> , 2019, 25, 270-276.	30.7	987
28	Clinical 7 T MRI: Are we there yet? A review about magnetic resonance imaging at ultra-high field. <i>British Journal of Radiology</i> , 2019, 92, 20180492.	2.2	66
29	Neuroanatomical morphometric characterization of sex differences in youth using statistical learning. <i>NeuroImage</i> , 2018, 172, 217-227.	4.2	82
30	Analytic Tools for Post-traumatic Epileptogenesis Biomarker Search in Multimodal Dataset of an Animal Model and Human Patients. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 86.	2.5	28
31	ICP-059: REVEALING SMALL SUBFIELDS OF HIPPOCAMPUS IN VIVO WITH 7T STRUCTURAL MRI. <i>Alzheimer's and Dementia</i> , 2018, 14, P55.	0.8	5
32	A time-efficient acquisition protocol for multipurpose diffusion-weighted microstructural imaging at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2170-2184.	3.0	18
33	Complement C5aR1 Signaling Promotes Polarization and Proliferation of Embryonic Neural Progenitor Cells through PKC η . <i>Journal of Neuroscience</i> , 2017, 37, 5395-5407.	3.6	63
34	Three-dimensional MRI study of the relationship between eye dimensions, retinal shape and myopia. <i>Biomedical Optics Express</i> , 2017, 8, 2386.	2.9	54
35	Parametric Probability Distribution Functions for Axon Diameters of Corpus Callosum. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 59.	1.7	26
36	Towards higher sensitivity and stability of axon diameter estimation with diffusion-weighted MRI. <i>NMR in Biomedicine</i> , 2016, 29, 293-308.	2.8	70

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37	Brain tissue compartment density estimated using diffusion-weighted MRI yields tissue parameters consistent with histology. Human Brain Mapping, 2015, 36, 3687-3702.	3.6	113
38	Lens Shape and Refractive Index Distribution in Type 1 Diabetes. , 2015, 56, 4759.		20
39	Validation of a partial coherence interferometry method for estimating retinal shape. Biomedical Optics Express, 2015, 6, 3235.	2.9	24
40	The relation of structural integrity and task-related functional connectivity in the aging brain. Neurobiology of Aging, 2015, 36, 2830-2837.	3.1	21
41	Quantitative Comparison of Reconstruction Methods for Intra-Voxel Fiber Recovery From Diffusion MRI. IEEE Transactions on Medical Imaging, 2014, 33, 384-399.	8.9	145
42	lop-DWI: A Novel Scheme for Pre-Processing of Diffusion-Weighted Images in the Gradient Direction Domain. Frontiers in Neurology, 2014, 5, 290.	2.4	6
43	A new method for compression of remote sensing images based on an enhanced differential pulse code modulation transformation. ScienceAsia, 2013, 39, 546.	0.5	2
44	Simple lossless and near-lossless medical image compression based on enhanced DPCM transformation. , 2011, , .		9
45	Simple and efficient remote sensing image transformation for lossless compression. Proceedings of SPIE, 2011, , .	0.8	2
46	Comparison study between dyadic wavelet transform and modified higher order moment. , 2011, , .		0
47	Binary Hybrid GA-PSO based algorithm for compression of hyperspectral data. , 2011, , .		4
48	Pitch extraction using dyadic wavelet transform and modified higher order moment. , 2010, , .		2
49	An efficient lossless medical image transformation method by improving prediction model. , 2010, , .		2
50	Efficient medical image transformation method for lossless compression by considering real time applications. , 2010, , .		3