

Ofer Pasternak

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

6,091
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42
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164
ext. papers

7,988
ext. citations

5.1
avg. IF

6.39
L-index

#	Paper	IF	Citations
153	Diffusion tensor imaging (DTI)-based white matter mapping in brain research: a review. <i>Journal of Molecular Neuroscience</i> , 2008 , 34, 51-61	3.3	1012
152	Free water elimination and mapping from diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2009 , 62, 717-304	4.4	518
151	Excessive extracellular volume reveals a neurodegenerative pattern in schizophrenia onset. <i>Journal of Neuroscience</i> , 2012 , 32, 17365-72	6.6	201
150	Q-space trajectory imaging for multidimensional diffusion MRI of the human brain. <i>NeuroImage</i> , 2016 , 135, 345-62	7.9	189
149	Age at First Exposure to Football Is Associated with Altered Corpus Callosum White Matter Microstructure in Former Professional Football Players. <i>Journal of Neurotrauma</i> , 2015 , 32, 1768-76	5.4	123
148	Free-water imaging in Parkinson's disease and atypical parkinsonism. <i>Brain</i> , 2016 , 139, 495-508	11.2	115
147	Longitudinal changes in free-water within the substantia nigra of Parkinson's disease. <i>Brain</i> , 2015 , 138, 2322-31	11.2	114
146	Increased free water in the substantia nigra of Parkinson's disease: a single-site and multi-site study. <i>Neurobiology of Aging</i> , 2015 , 36, 1097-104	5.6	86
145	In vivo imaging of neuroinflammation in schizophrenia. <i>Schizophrenia Research</i> , 2016 , 173, 200-212	3.6	84
144	White matter microstructure in individuals at clinical high risk of psychosis: a whole-brain diffusion tensor imaging study. <i>Schizophrenia Bulletin</i> , 2014 , 40, 895-903	1.3	82
143	Progression marker of Parkinson's disease: a 4-year multi-site imaging study. <i>Brain</i> , 2017 , 140, 2183-2192	11.2	80
142	Cavum Septi Pellucidi in Symptomatic Former Professional Football Players. <i>Journal of Neurotrauma</i> , 2016 , 33, 346-53	5.4	80
141	T95. FREE WATER IMAGING REVEALS DIFFERENTIAL PATTERNS OF WHITE MATTER ALTERATIONS IN INDIVIDUALS WITH ADOLESCENT-ONSET SCHIZOPHRENIA AND BIPOLAR DISORDER. <i>Schizophrenia Bulletin</i> , 2019 , 45, S240-S241	1.3	78
140	O10.2. EFFECTS OF ADJUVANT OMEGA-3 POLYUNSATURATED FATTY ACIDS ON WHITE MATTER IN INDIVIDUALS WITH RECENT-ONSET PSYCHOSIS TREATED CONCURRENTLY WITH RISPERIDONE. <i>Schizophrenia Bulletin</i> , 2019 , 45, S190-S190	1.3	78
139	O11.4. DIAGNOSIS AND BIOTYPE COMPARISON ACROSS THE PSYCHOSIS SPECTRUM: INVESTIGATING WHITE MATTER MICROSTRUCTURAL DIFFERENCES FROM THE BIPOLAR-SCHIZOPHRENIA NETWORK ON INTERMEDIATE PHENOTYPES (B-SNIP) STUDY USING FREE-WATER IMAGING. <i>Schizophrenia Bulletin</i> , 2019 , 45, S185-S185	1.3	78
138	42.3 MICROSTRUCTURAL WHITE MATTER ABNORMALITIES ASSOCIATED WITH AUDITORY VERBAL HALLUCINATIONS. <i>Schizophrenia Bulletin</i> , 2019 , 45, S157-S158	1.3	78
137	O7.1. ABNORMAL DEVELOPMENT, FAULTY MATURATION OR ACCELERATED AGING? WHITE MATTER AT THE CENTER STAGE OF SCHIZOPHRENIA REVISITED. <i>Schizophrenia Bulletin</i> , 2019 , 45, S178-S179	1.3	78

136	14. IS BIGGER BETTER? PROMISES AND PITFALLS OF BIG DATA IN NEUROIMAGING OF PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2019 , 45, S110-S110	1.3	78
135	14.4 IMPROVING SPECIFICITY AND HARMONIZING MULTI-SITE DIFFUSION MRI DATA TO IDENTIFY LIFESPAN TRAJECTORIES IN PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2019 , 45, S112-S112	1.3	78
134	158. Female-Specific Excessive Extracellular Free-Water in Prodromal Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017 , 43, S81-S81	1.3	78
133	T14. FUNCTIONAL AND STRUCTURAL CONNECTIVITY IN SUBJECTS AT HIGH RISK FOR PSYCHOSIS AS A POSSIBLE BIOMARKER FOR THEIR TRANSITION TO SCHIZOPHRENIA A COMBINED EEG AND DTI STUDY. <i>Schizophrenia Bulletin</i> , 2019 , 45, S208-S209	1.3	78
132	O5.6. ADVANCED DIFFUSION IMAGING IN PSYCHOSIS RISK: A CROSS-SECTIONAL AND LONGITUDINAL STUDY OF WHITE MATTER DEVELOPMENT. <i>Schizophrenia Bulletin</i> , 2020 , 46, S13-S13	1.3	78
131	M155. RECIPROCAL CHANGES IN WHITE MATTER MICROSTRUCTURE IN 22Q11.2 DELETION AND DUPLICATION SYNDROME. <i>Schizophrenia Bulletin</i> , 2020 , 46, S194-S195	1.3	78
130	S147. FUNCTIONAL BRAIN CONNECTIVITY DATA IMPROVE CLINICAL OUTCOME PREDICTION IN YOUTH AT RISK FOR PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2020 , 46, S92-S92	1.3	78
129	S157. A MULTICENTER HARMONIZED DIFFUSION TENSOR IMAGING STUDY ON THE ASSOCIATION OF WHITE MATTER STRUCTURE AND CLINICAL FUNCTIONING. <i>Schizophrenia Bulletin</i> , 2020 , 46, S95-S96	1.3	78
128	S168. THE ASSOCIATION BETWEEN MMP-9 AND CHOROID PLEXUS VOLUME IN SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2020 , 46, S100-S101	1.3	78
127	6. FACT OR ARTIFACT? BENEFITS AND LIMITATIONS OF ADVANCED NEUROIMAGING METHODS FOR PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2018 , 44, S8-S8	1.3	78
126	T201. THE STUDY OF WHITE MATTER MATURATION IN THREE POPULATIONS OF GENETIC HIGH RISK FOR SCHIZOPHRENIA INDIVIDUALS SPANNING THE DEVELOPMENTAL TIMELINE. <i>Schizophrenia Bulletin</i> , 2018 , 44, S194-S195	1.3	78
125	6.2 MICROSTRUCTURAL IMAGING WITH ADVANCED DIFFUSION MRI METHODS [WHAT IS GAINED AND WHAT IS LOST?]. <i>Schizophrenia Bulletin</i> , 2018 , 44, S9-S9	1.3	78
124	The extent of diffusion MRI markers of neuroinflammation and white matter deterioration in chronic schizophrenia. <i>Schizophrenia Research</i> , 2015 , 161, 113-8	3.6	76
123	Does diffusion MRI tell us anything about the white matter? An overview of methods and pitfalls. <i>Schizophrenia Research</i> , 2015 , 161, 133-41	3.6	70
122	Cortical microstructural changes along the Alzheimer's disease continuum. <i>Alzheimer's and Dementia</i> , 2018 , 14, 340-351	1.2	60
121	White matter abnormalities across the lifespan of schizophrenia: a harmonized multi-site diffusion MRI study. <i>Molecular Psychiatry</i> , 2020 , 25, 3208-3219	15.1	59
120	Free water determines diffusion alterations and clinical status in cerebral small vessel disease. <i>Alzheimer's and Dementia</i> , 2018 , 14, 764-774	1.2	54
119	Multi-site harmonization of diffusion MRI data in a registration framework. <i>Brain Imaging and Behavior</i> , 2018 , 12, 284-295	4.1	53

118	Age at First Exposure to Repetitive Head Impacts Is Associated with Smaller Thalamic Volumes in Former Professional American Football Players. <i>Journal of Neurotrauma</i> , 2018 , 35, 278-285	5.4	53
117	Free water elimination improves test-retest reproducibility of diffusion tensor imaging indices in the brain: A longitudinal multisite study of healthy elderly subjects. <i>Human Brain Mapping</i> , 2017 , 38, 12-26	5.9	51
116	Advances in microstructural diffusion neuroimaging for psychiatric disorders. <i>NeuroImage</i> , 2018 , 182, 259-282	7.9	50
115	Widespread white matter degeneration preceding the onset of dementia. <i>Alzheimer's and Dementia</i> , 2015 , 11, 485-493.e2	1.2	49
114	Reconstruction of the arcuate fasciculus for surgical planning in the setting of peritumoral edema using two-tensor unscented Kalman filter tractography. <i>NeuroImage: Clinical</i> , 2015 , 7, 815-22	5.3	47
113	Estimation of extracellular volume from regularized multi-shell diffusion MRI. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 305-12	0.9	47
112	The effect of metric selection on the analysis of diffusion tensor MRI data. <i>NeuroImage</i> , 2010 , 49, 2190-204	7.4	44
111	Re-examining age-related differences in white matter microstructure with free-water corrected diffusion tensor imaging. <i>Neurobiology of Aging</i> , 2018 , 71, 161-170	5.6	42
110	The blood brain barrier and neuropsychiatric lupus: new perspectives in light of advances in understanding the neuroimmune interface. <i>Autoimmunity Reviews</i> , 2017 , 16, 612-619	13.6	41
109	Distinct white matter microstructural abnormalities and extracellular water increases relate to cognitive impairment in Alzheimer's disease with and without cerebrovascular disease. <i>Alzheimer's Research and Therapy</i> , 2017 , 9, 63	9	41
108	Sex differences in white matter alterations following repetitive subconcussive head impacts in collegiate ice hockey players. <i>NeuroImage: Clinical</i> , 2018 , 17, 642-649	5.3	41
107	White Matter Correlates of Mild Traumatic Brain Injuries in Women Subjected to Intimate-Partner Violence: A Preliminary Study. <i>Journal of Neurotrauma</i> , 2019 , 36, 661-668	5.4	39
106	Neuroimaging in repetitive brain trauma. <i>Alzheimer's Research and Therapy</i> , 2014 , 6, 10	9	38
105	Tractography Analysis of 5 White Matter Bundles and Their Clinical and Cognitive Correlates in Early-Course Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016 , 42, 762-71	1.3	38
104	Applying a free-water correction to diffusion imaging data uncovers stress-related neural pathology in depression. <i>NeuroImage: Clinical</i> , 2016 , 10, 336-42	5.3	37
103	Association of Choroid Plexus Enlargement With Cognitive, Inflammatory, and Structural Phenotypes Across the Psychosis Spectrum. <i>American Journal of Psychiatry</i> , 2019 , 176, 564-572	11.9	36
102	Variational multiple-tensor fitting of fiber-ambiguous diffusion-weighted magnetic resonance imaging voxels. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 1133-44	3.3	36
101	Characterizing white matter changes in chronic schizophrenia: A free-water imaging multi-site study. <i>Schizophrenia Research</i> , 2017 , 189, 153-161	3.6	34

100	Separating blood and water: Perfusion and free water elimination from diffusion MRI in the human brain. <i>NeuroImage</i> , 2017 , 156, 423-434	7.9	34
99	Free water improves detection of changes in the substantia nigra in parkinsonism: A multisite study. <i>Movement Disorders</i> , 2017 , 32, 1457-1464	7	34
98	Abnormal white matter microstructure and increased extracellular free-water in the cingulum bundle associated with delusions in chronic schizophrenia. <i>NeuroImage: Clinical</i> , 2016 , 12, 405-14	5.3	32
97	White matter abnormalities in mild traumatic brain injury with and without post-traumatic stress disorder: a subject-specific diffusion tensor imaging study. <i>Brain Imaging and Behavior</i> , 2018 , 12, 870-884 ¹	4.1	31
96	Free water modeling of peritumoral edema using multi-fiber tractography: Application to tracking the arcuate fasciculus for neurosurgical planning. <i>PLoS ONE</i> , 2018 , 13, e0197056	3.7	29
95	Neuroepigenetic signatures of age and sex in the living human brain. <i>Nature Communications</i> , 2019 , 10, 2945	17.4	28
94	Corticospinal tract modeling for neurosurgical planning by tracking through regions of peritumoral edema and crossing fibers using two-tensor unscented Kalman filter tractography. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016 , 11, 1475-86	3.9	28
93	Development and Validation of the Automated Imaging Differentiation in Parkinsonism (AID-P): A Multi-Site Machine Learning Study. <i>The Lancet Digital Health</i> , 2019 , 1, e222-e231	14.4	27
92	Substantia Nigra Free Water Increases Longitudinally in Parkinson Disease. <i>American Journal of Neuroradiology</i> , 2018 , 39, 479-484	4.4	27
91	Enlarged lateral ventricles inversely correlate with reduced corpus callosum central volume in first episode schizophrenia: association with functional measures. <i>Brain Imaging and Behavior</i> , 2016 , 10, 1264-1273 ¹	4.1	27
90	Performance of unscented Kalman filter tractography in edema: Analysis of the two-tensor model. <i>NeuroImage: Clinical</i> , 2017 , 15, 819-831	5.3	24
89	Comparing free water imaging and magnetization transfer measurements in schizophrenia. <i>Schizophrenia Research</i> , 2015 , 161, 126-32	3.6	24
88	Childhood adversity associated with white matter alteration in the corpus callosum, corona radiata, and uncinate fasciculus of psychiatrically healthy adults. <i>Brain Imaging and Behavior</i> , 2018 , 12, 449-458	4.1	23
87	A magnetic resonance spectroscopy investigation in symptomatic former NFL players. <i>Brain Imaging and Behavior</i> , 2020 , 14, 1419-1429	4.1	23
86	Limbic system structure volumes and associated neurocognitive functioning in former NFL players. <i>Brain Imaging and Behavior</i> , 2019 , 13, 725-734	4.1	22
85	Multi-organ assessment in mainly non-hospitalized individuals after SARS-CoV-2 infection: The Hamburg City Health Study COVID programme.. <i>European Heart Journal</i> , 2022 ,	9.5	21
84	Fornix Under Water? Ventricular Enlargement Biases Forniceal Diffusion Magnetic Resonance Imaging Indices in Anorexia Nervosa. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017 , 2, 430-437	3.4	20
83	Automated versus manual segmentation of brain region volumes in former football players. <i>NeuroImage: Clinical</i> , 2018 , 18, 888-896	5.3	20

82	Amyloid burden accelerates white matter degradation in cognitively normal elderly individuals. <i>Human Brain Mapping</i> , 2019 , 40, 2065-2075	5.9	20
81	Free-water and BOLD imaging changes in Parkinson's disease patients chronically treated with a MAO-B inhibitor. <i>Human Brain Mapping</i> , 2016 , 37, 2894-903	5.9	19
80	White matter microstructural abnormalities and default network degeneration are associated with early memory deficit in Alzheimer's disease continuum. <i>Scientific Reports</i> , 2019 , 9, 4749	4.9	18
79	The Impact of 6 and 12 Months in Space on Human Brain Structure and Intracranial Fluid Shifts. <i>Cerebral Cortex Communications</i> , 2020 , 1, tgaa023	1.9	17
78	Impaired white matter connectivity between regions containing mirror neurons, and relationship to negative symptoms and social cognition, in patients with first-episode schizophrenia. <i>Brain Imaging and Behavior</i> , 2018 , 12, 229-237	4.1	16
77	Patients with chronic bipolar disorder exhibit widespread increases in extracellular free water. <i>Bipolar Disorders</i> , 2018 , 20, 523-530	3.8	16
76	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort. <i>Molecular Psychiatry</i> , 2021 , 26, 3512-3523	15.1	15
75	Small vessel disease more than Alzheimer's disease determines diffusion MRI alterations in memory clinic patients. <i>Alzheimer's and Dementia</i> , 2020 , 16, 1504-1514	1.2	15
74	Diffusion imaging of mild traumatic brain injury in the impact accelerated rodent model: A pilot study. <i>Brain Injury</i> , 2017 , 31, 1376-1381	2.1	14
73	Altered Cellular White Matter But Not Extracellular Free Water on Diffusion MRI in Individuals at Clinical High Risk for Psychosis. <i>American Journal of Psychiatry</i> , 2019 , 176, 820-828	11.9	14
72	Increased extracellular free-water in adult male rats following in utero exposure to maternal immune activation. <i>Brain, Behavior, and Immunity</i> , 2020 , 83, 283-287	16.6	14
71	Magnetic Resonance Imaging Pilot Study of Intravenous Glyburide in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020 , 37, 185-193	5.4	14
70	Fast GL(n)-Invariant Framework for Tensors Regularization. <i>International Journal of Computer Vision</i> , 2009 , 85, 211-222	10.6	12
69	Substantia nigra locations of iron-content, free-water and mean diffusivity abnormalities in moderate stage Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019 , 65, 146-152	3.6	11
68	Neuroimaging auditory verbal hallucinations in schizophrenia patient and healthy populations. <i>Psychological Medicine</i> , 2020 , 50, 403-412	6.9	11
67	Freewater estimator using iNtErpolated iNtialization (FERNET): Characterizing peritumoral edema using clinically feasible diffusion MRI data. <i>PLoS ONE</i> , 2020 , 15, e0233645	3.7	10
66	Mild traumatic brain injury impacts associations between limbic system microstructure and post-traumatic stress disorder symptomatology. <i>NeuroImage: Clinical</i> , 2020 , 26, 102190	5.3	10
65	Fast and accurate initialization of the free-water imaging model parameters from multi-shell diffusion MRI. <i>NMR in Biomedicine</i> , 2020 , 33, e4219	4.4	9

64	Brain functional connectivity data enhance prediction of clinical outcome in youth at risk for psychosis. <i>NeuroImage: Clinical</i> , 2020 , 26, 102108	5.3	9
63	Deep learning based segmentation of brain tissue from diffusion MRI. <i>NeuroImage</i> , 2021 , 233, 117934	7.9	9
62	Estimation of diffusion, perfusion and fractional volumes using a multi-compartment relaxation-compensated intravoxel incoherent motion (IVIM) signal model. <i>European Journal of Radiology Open</i> , 2019 , 6, 198-205	2.6	8
61	MK-curve - Characterizing the relation between mean kurtosis and alterations in the diffusion MRI signal. <i>NeuroImage</i> , 2019 , 196, 68-80	7.9	8
60	The association of white matter free water with cognition in older adults. <i>NeuroImage</i> , 2020 , 219, 117040	4.9	8
59	Interactive Effects of Racial Identity and Repetitive Head Impacts on Cognitive Function, Structural MRI-Derived Volumetric Measures, and Cerebrospinal Fluid Tau and A β . <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 440	3.3	8
58	Large-Scale Evidence for an Association Between Peripheral Inflammation and White Matter Free Water in Schizophrenia and Healthy Individuals. <i>Schizophrenia Bulletin</i> , 2021 , 47, 542-551	1.3	8
57	Neuro-Metabolite Changes in a Single Season of University Ice Hockey Using Magnetic Resonance Spectroscopy. <i>Frontiers in Neurology</i> , 2018 , 9, 616	4.1	8
56	Developmental stage-dependent relationships between ghrelin levels and hippocampal white matter connections in low-weight anorexia nervosa and atypical anorexia nervosa. <i>Psychoneuroendocrinology</i> , 2020 , 119, 104722	5	7
55	Investigating Sexual Dimorphism of Human White Matter in a Harmonized, Multisite Diffusion Magnetic Resonance Imaging Study. <i>Cerebral Cortex</i> , 2021 , 31, 201-212	5.1	7
54	Genetic load determines atrophy in hand cortico-striatal pathways in presymptomatic Huntington's disease. <i>Human Brain Mapping</i> , 2018 , 39, 3871-3883	5.9	7
53	Microscopic interpretation and generalization of the Bloch-Torrey equation for diffusion magnetic resonance. <i>Journal of Magnetic Resonance</i> , 2017 , 277, 95-103	3	6
52	Diffusion abnormalities in the corpus callosum in first episode schizophrenia: Associated with enlarged lateral ventricles and symptomatology. <i>Psychiatry Research</i> , 2019 , 277, 45-51	9.9	6
51	Studying pre-treatment and ketamine-induced changes in white matter microstructure in the context of ketamine's antidepressant effects. <i>Translational Psychiatry</i> , 2020 , 10, 432	8.6	6
50	Hippocampal Subfields and Limbic White Matter Jointly Predict Learning Rate in Older Adults. <i>Cerebral Cortex</i> , 2020 , 30, 2465-2477	5.1	6
49	White matter changes in psychosis risk relate to development and are not impacted by the transition to psychosis. <i>Molecular Psychiatry</i> , 2021 ,	15.1	6
48	Individual variations of the human corticospinal tract and its hand-related motor fibers using diffusion MRI tractography. <i>Brain Imaging and Behavior</i> , 2020 , 14, 696-714	4.1	6
47	Within-lesion heterogeneity of subcortical DWI lesion evolution, and stroke outcome: A voxel-based analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 1482-1491	7.3	6

46	Microstructural White Matter and Links With Subcortical Structures in Chronic Schizophrenia: A Free-Water Imaging Approach. <i>Frontiers in Psychiatry</i> , 2020 , 11, 56	5	5
45	Cellular and extracellular white matter alterations indicate conversion to psychosis among individuals at clinical high-risk for psychosis. <i>World Journal of Biological Psychiatry</i> , 2021 , 22, 214-227	3.8	5
44	Association of white matter microstructure and extracellular free-water with cognitive performance in the early course of schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2020 , 305, 111159 ^{2.9}	2.9	5
43	Exercise effects on bed rest-induced brain changes. <i>PLoS ONE</i> , 2018 , 13, e0205515	3.7	5
42	Serum Neurosteroid Levels Are Associated With Cortical Thickness in Individuals Diagnosed With Posttraumatic Stress Disorder and History of Mild Traumatic Brain Injury. <i>Clinical EEG and Neuroscience</i> , 2020 , 51, 285-299	2.3	4
41	Alteration of gray matter microstructure in schizophrenia. <i>Brain Imaging and Behavior</i> , 2018 , 12, 54-63	4.1	4
40	Neurocognitive markers of childhood abuse in individuals with PTSD: Findings from the INTRuST Clinical Consortium. <i>Journal of Psychiatric Research</i> , 2020 , 121, 108-117	5.2	4
39	Exposure to Repetitive Head Impacts Is Associated With Corpus Callosum Microstructure and Plasma Total Tau in Former Professional American Football Players. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 54, 1819-1829	5.6	4
38	Abnormalities in gray matter microstructure in young adults with 22q11.2 deletion syndrome. <i>NeuroImage: Clinical</i> , 2019 , 21, 101611	5.3	4
37	White matter microstructure across brain-based biotypes for psychosis - findings from the bipolar-schizophrenia network for intermediate phenotypes. <i>Psychiatry Research - Neuroimaging</i> , 2021 , 308, 111234	2.9	4
36	Cell type-specific manifestations of cortical thickness heterogeneity in schizophrenia.. <i>Molecular Psychiatry</i> , 2022 ,	15.1	3
35	Age at First Exposure to Tackle Football is Associated with Cortical Thickness in Former Professional American Football Players. <i>Cerebral Cortex</i> , 2021 , 31, 3426-3434	5.1	3
34	Improving the predictive potential of diffusion MRI in schizophrenia using normative models-Towards subject-level classification. <i>Human Brain Mapping</i> , 2021 , 42, 4658-4670	5.9	3
33	A 16-week randomized placebo-controlled trial investigating the effects of omega-3 polyunsaturated fatty acid treatment on white matter microstructure in recent-onset psychosis patients concurrently treated with risperidone. <i>Psychiatry Research - Neuroimaging</i> , 2021 , 307, 111219	2.9	3
32	Microstructural alterations in medial forebrain bundle are associated with interindividual pain sensitivity. <i>Human Brain Mapping</i> , 2021 , 42, 1130-1137	5.9	3
31	Effects of Spaceflight Stressors on Brain Volume, Microstructure, and Intracranial Fluid Distribution. <i>Cerebral Cortex Communications</i> , 2021 , 2, tgab022	1.9	3
30	The association of matrix metalloproteinase 9 (MMP9) with hippocampal volume in schizophrenia: a preliminary MRI study. <i>Neuropsychopharmacology</i> , 2021 ,	8.7	2
29	Strengthened structure-function relationships of the corticospinal tract by free water correction after stroke. <i>Brain Communications</i> , 2021 , 3, fcab034	4.5	2

28	Orthogonal moment diffusion tensor decomposition reveals age-related degeneration patterns in complex fiber architecture. <i>Neurobiology of Aging</i> , 2021 , 101, 150-159	5.6	2
27	Sex-Related Differences in White Matter Asymmetry and Its Implications for Verbal Working Memory in Psychosis High-Risk State. <i>Frontiers in Psychiatry</i> , 2021 , 12, 686967	5	2
26	Brain white matter extracellular free-water increases are related to reduced neurocognitive function in systemic lupus erythematosus. <i>Rheumatology</i> , 2021 ,	3.9	2
25	Elucidating the relationship between white matter structure, demographic, and clinical variables in schizophrenia-a multicenter harmonized diffusion tensor imaging study. <i>Molecular Psychiatry</i> , 2021 , 26, 5357-5370	15.1	2
24	Regularization of diffusion tensor MRI via local coordinates. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 1011211-1011212	0.2	1
23	White-matter free-water diffusion MRI in schizophrenia: a systematic review and meta-analysis.. <i>Neuropsychopharmacology</i> , 2022 ,	8.7	1
22	Case Report: No Evidence of Intracranial Fluid Shifts in an Astronaut Following an Aborted Launch.. <i>Frontiers in Neurology</i> , 2021 , 12, 774805	4.1	1
21	Evaluating the validity of self-report as a method for quantifying heading exposure in male youth soccer. <i>Research in Sports Medicine</i> , 2021 , 29, 427-439	3.8	1
20	Increased extracellular fluid is associated with white matter fiber degeneration in CADASIL: in vivo evidence from diffusion magnetic resonance imaging. <i>Fluids and Barriers of the CNS</i> , 2021 , 18, 29	7	1
19	MK-Curve improves sensitivity to identify white matter alterations in clinical high risk for psychosis. <i>NeuroImage</i> , 2021 , 226, 117564	7.9	1
18	Free-water diffusion MRI detects structural alterations surrounding white matter hyperintensities in the early stage of cerebral small vessel disease.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221093579	7.3	1
17	Free water diffusion MRI and executive function with a speed component in healthy aging.. <i>NeuroImage</i> , 2022 , 119303	7.9	1
16	Opposing white matter microstructure abnormalities in 22q11.2 deletion and duplication carriers. <i>Translational Psychiatry</i> , 2021 , 11, 580	8.6	0
15	Diffusion MRI derived free-water imaging measures in patients with schizophrenia and their non-psychotic siblings. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021 , 109, 110238	5.5	0
14	REPIMPACT - a prospective longitudinal multisite study on the effects of repetitive head impacts in youth soccer. <i>Brain Imaging and Behavior</i> , 2021 , 1	4.1	0
13	Changes in circulating microRNAs following head impacts in soccer.. <i>Brain Injury</i> , 2022 , 1-12	2.1	0
12	Differential Relationships Between Brain Structure and Dual Task Walking in Young and Older Adults.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 809281	5.3	0
11	Stage-dependent amyloid beta- and tau-associated longitudinal white matter degeneration in early stages of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e040201	1.2	

10 Brain free-water increases mediate the association of blood cardiovascular biomarkers with longitudinal cognitive decline in prodromal and clinical dementia. *Alzheimer's and Dementia*, **2020**, 16, e044477 1.2

9 IC-P-038: DIFFERENTIAL GREY AND WHITE MATTER MICROSTRUCTURAL ABNORMALITIES IN EARLY AND LATE-ONSET ALZHEIMER'S DISEASE AND MILD COGNITIVE IMPAIRMENT **2019**, 15, P43-P44

8 [P4037]: WHITE MATTER MICROSTRUCTURAL AND EXTRACELLULAR FREE-WATER CHANGES ASSOCIATED WITH COGNITION IN AMNESTIC MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE **2017**, 13, P1365-P1365

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