

Ofer Pasternak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5783438/publications.pdf>

Version: 2024-02-01

159
papers

7,402
citations

76294

40
h-index

66879

78
g-index

164
all docs

164
docs citations

164
times ranked

8257
citing authors

#	ARTICLE	IF	CITATIONS
1	Shared and distinct white matter abnormalities in adolescent-onset schizophrenia and adolescent-onset psychotic bipolar disorder. <i>Psychological Medicine</i> , 2023, 53, 4707-4719.	2.7	4
2	The association of matrix metalloproteinase 9 (MMP9) with hippocampal volume in schizophrenia: a preliminary MRI study. <i>Neuropsychopharmacology</i> , 2022, 47, 524-530.	2.8	10
3	Brain white matter extracellular free-water increases are related to reduced neurocognitive function in systemic lupus erythematosus. <i>Rheumatology</i> , 2022, 61, 1166-1174.	0.9	5
4	REPIMPACT - a prospective longitudinal multisite study on the effects of repetitive head impacts in youth soccer. <i>Brain Imaging and Behavior</i> , 2022, 16, 492-502.	1.1	6
5	Diffusion Magnetic Resonance Imaging Detects Progression in <scp>Parkinson's</scp> Disease: A Placeboâ€Controlled Trial of Rasagiline. <i>Movement Disorders</i> , 2022, 37, 325-333.	2.2	7
6	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, 43, 1124-1137.	1.0	111
7	White-matter free-water diffusion MRI in schizophrenia: a systematic review and meta-analysis. <i>Neuropsychopharmacology</i> , 2022, 47, 1413-1420.	2.8	22
8	OUP accepted manuscript. <i>Cerebral Cortex</i> , 2022, , .	1.6	7
9	Cell type-specific manifestations of cortical thickness heterogeneity in schizophrenia. <i>Molecular Psychiatry</i> , 2022, 27, 2052-2060.	4.1	29
10	Changes in circulating microRNAs following head impacts in soccer. <i>Brain Injury</i> , 2022, 36, 560-571.	0.6	6
11	Differential Relationships Between Brain Structure and Dual Task Walking in Young and Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 809281.	1.7	6
12	Thalamic Dorsomedial Nucleus Free Water Correlates with Cognitive Decline in Parkinson's Disease. <i>Movement Disorders</i> , 2022, 37, 490-501.	2.2	10
13	Longitudinal Changes in Brain Diffusion MRI Indices during and after Proton Beam Therapy in a Child with Pilocytic Astrocytoma: A Case Report. <i>Diagnostics</i> , 2022, 12, 26.	1.3	0
14	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, , 0271678X2210935.	2.4	11
15	Free water diffusion MRI and executive function with a speed component in healthy aging. <i>NeuroImage</i> , 2022, 257, 119303.	2.1	7
16	Superficial white matter microstructure affects processing speed in cerebral small vessel disease. <i>Human Brain Mapping</i> , 2022, 43, 5310-5325.	1.9	3
17	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort. <i>Molecular Psychiatry</i> , 2021, 26, 3512-3523.	4.1	78
18	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.	0.7	6

#	ARTICLE	IF	CITATIONS
19	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.	0.9	5
20	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.	2.3	47
21	Microstructural alterations in medial forebrain bundle are associated with interindividual pain sensitivity. <i>Human Brain Mapping</i> , 2021, 42, 1130-1137.	1.9	6
22	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.	4.1	17
23	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.	0.9	14
24	Investigating Sexual Dimorphism of Human White Matter in a Harmonized, Multisite Diffusion Magnetic Resonance Imaging Study. <i>Cerebral Cortex</i> , 2021, 31, 201-212.	1.6	19
25	Effects of Spaceflight Stressors on Brain Volume, Microstructure, and Intracranial Fluid Distribution. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab022.	0.7	13
26	MK-Curve improves sensitivity to identify white matter alterations in clinical high risk for psychosis. <i>NeuroImage</i> , 2021, 226, 117564.	2.1	7
27	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.	1.6	11
28	Cellular and Extracellular White Matter Abnormalities in Obsessive-Compulsive Disorder: A Diffusion Magnetic Resonance Imaging Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 983-991.	1.1	0
29	Strengthened structure–function relationships of the corticospinal tract by free water correction after stroke. <i>Brain Communications</i> , 2021, 3, fcab034.	1.5	7
30	Orthogonal moment diffusion tensor decomposition reveals age-related degeneration patterns in complex fiber architecture. <i>Neurobiology of Aging</i> , 2021, 101, 150-159.	1.5	13
31	White matter changes in psychosis risk relate to development and are not impacted by the transition to psychosis. <i>Molecular Psychiatry</i> , 2021, 26, 6833-6844.	4.1	15
32	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.	1.3	7
33	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.	2.4	15
34	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.	1.9	7
35	Deep learning based segmentation of brain tissue from diffusion MRI. <i>NeuroImage</i> , 2021, 233, 117934.	2.1	36
36	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.	1.9	18

#	ARTICLE	IF	CITATIONS
37	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.	2.5	3
38	Opposing white matter microstructure abnormalities in 22q11.2 deletion and duplication carriers. <i>Translational Psychiatry</i> , 2021, 11, 580.	2.4	4
39	Case Report: No Evidence of Intracranial Fluid Shifts in an Astronaut Following an Aborted Launch. <i>Frontiers in Neurology</i> , 2021, 12, 774805.	1.1	4
40	Effects of Multi-Shell Free Water Correction on Glioma Characterization. <i>Diagnostics</i> , 2021, 11, 2385.	1.3	4
41	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.	1.1	14
42	Neuroimaging auditory verbal hallucinations in schizophrenia patient and healthy populations. <i>Psychological Medicine</i> , 2020, 50, 403-412.	2.7	21
43	A magnetic resonance spectroscopy investigation in symptomatic former NFL players. <i>Brain Imaging and Behavior</i> , 2020, 14, 1419-1429.	1.1	39
44	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.	2.0	28
45	Magnetic Resonance Imaging Pilot Study of Intravenous Glyburide in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 185-193.	1.7	23
46	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.	2.4	19
47	White matter abnormalities across the lifespan of schizophrenia: a harmonized multi-site diffusion MRI study. <i>Molecular Psychiatry</i> , 2020, 25, 3208-3219.	4.1	115
48	Hippocampal Subfields and Limbic White Matter Jointly Predict Learning Rate in Older Adults. <i>Cerebral Cortex</i> , 2020, 30, 2465-2477.	1.6	13
49	Fast and accurate initialization of the free-water imaging model parameters from multi-shell diffusion MRI. <i>NMR in Biomedicine</i> , 2020, 33, e4219.	1.6	14
50	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.	1.5	7
51	Brain functional connectivity data enhance prediction of clinical outcome in youth at risk for psychosis. <i>NeuroImage: Clinical</i> , 2020, 26, 102108.	1.4	25
52	M155. RECIPROCAL CHANGES IN WHITE MATTER MICROSTRUCTURE IN 22Q11.2 DELETION AND DUPLICATION SYNDROME. <i>Schizophrenia Bulletin</i> , 2020, 46, S194-S195.	2.3	0
53	S147. FUNCTIONAL BRAIN CONNECTIVITY DATA IMPROVE CLINICAL OUTCOME PREDICTION IN YOUTH AT RISK FOR PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2020, 46, S92-S92.	2.3	0
54	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.	2.3	0

#	ARTICLE	IF	CITATIONS
55	S168. THE ASSOCIATION BETWEEN MMP-9 AND CHOROID PLEXUS VOLUME IN SCHIZOPHRENIA. Schizophrenia Bulletin, 2020, 46, S100-S101.	2.3	0
56	The Impact of 6 and 12 Months in Space on Human Brain Structure and Intracranial Fluid Shifts. Cerebral Cortex Communications, 2020, 1, tgaa023.	0.7	37
57	Association of white matter microstructure and extracellular free-water with cognitive performance in the early course of schizophrenia. Psychiatry Research - Neuroimaging, 2020, 305, 111159.	0.9	12
58	Small vessel disease more than Alzheimer's disease determines diffusion MRI alterations in memory clinic patients. Alzheimer's and Dementia, 2020, 16, 1504-1514.	0.4	35
59	Stage-dependent amyloid beta- and tau-associated longitudinal white matter degeneration in early stages of Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e040201.	0.4	0
60	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.	0.4	0
61	Studying pre-treatment and ketamine-induced changes in white matter microstructure in the context of ketamine's antidepressant effects. Translational Psychiatry, 2020, 10, 432.	2.4	20
62	Free-water estimator using interpolated initialization (FERNET): Characterizing peritumoral edema using clinically feasible diffusion MRI data. PLoS ONE, 2020, 15, e0233645.	1.1	24
63	Developmental stage-dependent relationships between ghrelin levels and hippocampal white matter connections in low-weight anorexia nervosa and atypical anorexia nervosa. Psychoneuroendocrinology, 2020, 119, 104722.	1.3	12
64	Microstructural White Matter and Links With Subcortical Structures in Chronic Schizophrenia: A Free-Water Imaging Approach. Frontiers in Psychiatry, 2020, 11, 56.	1.3	8
65	Serum Neurosteroid Levels Are Associated With Cortical Thickness in Individuals Diagnosed With Posttraumatic Stress Disorder and History of Mild Traumatic Brain Injury. Clinical EEG and Neuroscience, 2020, 51, 285-299.	0.9	12
66	Cellular and extracellular white matter alterations indicate conversion to psychosis among individuals at clinical high-risk for psychosis. World Journal of Biological Psychiatry, 2020, 22, 1-14.	1.3	13
67	The association of white matter free water with cognition in older adults. NeuroImage, 2020, 219, 117040.	2.1	23
68	Mild traumatic brain injury impacts associations between limbic system microstructure and post-traumatic stress disorder symptomatology. NeuroImage: Clinical, 2020, 26, 102190.	1.4	24
69	O5.6. ADVANCED DIFFUSION IMAGING IN PSYCHOSIS RISK: A CROSS-SECTIONAL AND LONGITUDINAL STUDY OF WHITE MATTER DEVELOPMENT. Schizophrenia Bulletin, 2020, 46, S13-S13.	2.3	0
70	Title is missing!. , 2020, 15, e0233645.		0
71	Title is missing!. , 2020, 15, e0233645.		0
72	Title is missing!. , 2020, 15, e0233645.		0

#	ARTICLE	IF	CITATIONS
73	Title is missing!. , 2020, 15, e0233645.		0
74	White Matter Correlates of Mild Traumatic Brain Injuries in Women Subjected to Intimate-Partner Violence: A Preliminary Study. Journal of Neurotrauma, 2019, 36, 661-668.	1.7	63
75	Limbic system structure volumes and associated neurocognitive functioning in former NFL players. Brain Imaging and Behavior, 2019, 13, 725-734.	1.1	35
76	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. Schizophrenia Bulletin, 2019, 45, S208-S209.	2.3	0
77	Neuroepigenetic signatures of age and sex in the living human brain. Nature Communications, 2019, 10, 2945.	5.8	36
78	ICâ€Pâ€038: DIFFERENTIAL GREY AND WHITE MATTER MICROSTRUCTURAL ABNORMALITIES IN EARLY AND LATEâ€ONSET ALZHEIMER'S DISEASE AND MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2019, 15, P43.	0.4	0
79	T95. FREE WATER IMAGING REVEALS DIFFERENTIAL PATTERNS OF WHITE MATTER ALTERATIONS IN INDIVIDUALS WITH ADOLESCENT-ONSET SCHIZOPHRENIA AND BIPOLAR DISORDER. Schizophrenia Bulletin, 2019, 45, S240-S241.	2.3	0
80	O10.2. EFFECTS OF ADJUVANT OMEGA-3 POLYUNSATURATED FATTY ACIDS ON WHITE MATTER IN INDIVIDUALS WITH RECENT-ONSET PSYCHOSIS TREATED CONCURRENTLY WITH RISPERIDONE. Schizophrenia Bulletin, 2019, 45, S190-S190.	2.3	0
81	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. Schizophrenia Bulletin, 2019, 45, S195-S195.	2.3	0
82	42.3 MICROSTRUCTURAL WHITE MATTER ABNORMALITIES ASSOCIATED WITH AUDITORY VERBAL HALLUCINATIONS. Schizophrenia Bulletin, 2019, 45, S157-S158.	2.3	0
83	Development and validation of the automated imaging differentiation in parkinsonism (AID-P): a multicentre machine learning study. The Lancet Digital Health, 2019, 1, e222-e231.	5.9	73
84	O7.1. ABNORMAL DEVELOPMENT, FAULTY MATURATION OR ACCELERATED AGING? – WHITE MATTER AT THE CENTER STAGE OF SCHIZOPHRENIA – REVISITED. Schizophrenia Bulletin, 2019, 45, S178-S179.	2.3	0
85	Substantia nigra locations of iron-content, free-water and mean diffusivity abnormalities in moderate stage Parkinson's disease. Parkinsonism and Related Disorders, 2019, 65, 146-152.	1.1	27
86	Estimation of diffusion, perfusion and fractional volumes using a multi-compartment relaxation-compensated intravoxel incoherent motion (IVIM) signal model. European Journal of Radiology Open, 2019, 6, 198-205.	0.7	15
87	Altered Cellular White Matter But Not Extracellular Free Water on Diffusion MRI in Individuals at Clinical High Risk for Psychosis. American Journal of Psychiatry, 2019, 176, 820-828.	4.0	28
88	Association of Choroid Plexus Enlargement With Cognitive, Inflammatory, and Structural Phenotypes Across the Psychosis Spectrum. American Journal of Psychiatry, 2019, 176, 564-572.	4.0	82
89	14. IS BIGGER BETTER? PROMISES AND PITFALLS OF BIG DATA IN NEUROIMAGING OF PSYCHOSIS. Schizophrenia Bulletin, 2019, 45, S110-S110.	2.3	0
90	White matter microstructural abnormalities and default network degeneration are associated with early memory deficit in Alzheimer's disease continuum. Scientific Reports, 2019, 9, 4749.	1.6	31

#	ARTICLE	IF	CITATIONS
91	MK-curve - Characterizing the relation between mean kurtosis and alterations in the diffusion MRI signal. <i>NeuroImage</i> , 2019, 196, 68-80.	2.1	15
92	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.	2.3	0
93	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.	1.7	14
94	Abnormalities in gray matter microstructure in young adults with 22q11.2 deletion syndrome. <i>NeuroImage: Clinical</i> , 2019, 21, 101611.	1.4	10
95	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.	1.0	14
96	Amyloid burden accelerates white matter degradation in cognitively normal elderly individuals. <i>Human Brain Mapping</i> , 2019, 40, 2065-2075.	1.9	35
97	Substantia Nigra Free Water Increases Longitudinally in Parkinson Disease. <i>American Journal of Neuroradiology</i> , 2018, 39, 479-484.	1.2	47
98	Advances in microstructural diffusion neuroimaging for psychiatric disorders. <i>NeuroImage</i> , 2018, 182, 259-282.	2.1	77
99	Free water determines diffusion alterations and clinical status in cerebral small vessel disease. <i>Alzheimer's and Dementia</i> , 2018, 14, 764-774.	0.4	108
100	Alteration of gray matter microstructure in schizophrenia. <i>Brain Imaging and Behavior</i> , 2018, 12, 54-63.	1.1	16
101	Multi-site harmonization of diffusion MRI data in a registration framework. <i>Brain Imaging and Behavior</i> , 2018, 12, 284-295.	1.1	83
102	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.	1.1	26
103	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.	1.1	34
104	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, 870-881.	1.1	44
105	Cortical microstructural changes along the Alzheimer's disease continuum. <i>Alzheimer's and Dementia</i> , 2018, 14, 340-351.	0.4	122
106	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.	1.7	76
107	Sex differences in white matter alterations following repetitive subconcussive head impacts in collegiate ice hockey players. <i>NeuroImage: Clinical</i> , 2018, 17, 642-649.	1.4	62
108	Patients with chronic bipolar disorder exhibit widespread increases in extracellular free water. <i>Bipolar Disorders</i> , 2018, 20, 523-530.	1.1	24

#	ARTICLE	IF	CITATIONS
109	P2423: GREATER LONGITUDINAL WHITE MATTER MICROSTRUCTURE AND EXTRACELLULAR FREE-WATER CHANGES IN HEALTHY ELDERLY APOE4 ALLELE CARRIERS. <i>Alzheimer's and Dementia</i> , 2018, 14, P871.	0.4	0
110	6. FACT OR ARTIFACT? BENEFITS AND LIMITATIONS OF ADVANCED NEUROIMAGING METHODS FOR PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2018, 44, S8-S8.	2.3	0
111	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.	2.3	0
112	6.2 MICROSTRUCTURAL IMAGING WITH ADVANCED DIFFUSION MRI METHODS – WHAT IS GAINED AND WHAT IS LOST?. <i>Schizophrenia Bulletin</i> , 2018, 44, S9-S9.	2.3	0
113	Exercise effects on bed rest-induced brain changes. <i>PLoS ONE</i> , 2018, 13, e0205515.	1.1	8
114	Neuro-Metabolite Changes in a Single Season of University Ice Hockey Using Magnetic Resonance Spectroscopy. <i>Frontiers in Neurology</i> , 2018, 9, 616.	1.1	19
115	Genetic load determines atrophy in hand cortico-striatal pathways in presymptomatic Huntington's disease. <i>Human Brain Mapping</i> , 2018, 39, 3871-3883.	1.9	13
116	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.	1.5	76
117	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.	1.1	40
118	Automated versus manual segmentation of brain region volumes in former football players. <i>NeuroImage: Clinical</i> , 2018, 18, 888-896.	1.4	35
119	Microscopic interpretation and generalization of the Bloch-Torrey equation for diffusion magnetic resonance. <i>Journal of Magnetic Resonance</i> , 2017, 277, 95-103.	1.2	8
120	Characterizing white matter changes in chronic schizophrenia: A free-water imaging multi-site study. <i>Schizophrenia Research</i> , 2017, 189, 153-161.	1.1	56
121	Separating blood and water: Perfusion and free water elimination from diffusion MRI in the human brain. <i>NeuroImage</i> , 2017, 156, 423-434.	2.1	46
122	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.	2.5	60
123	Diffusion imaging of mild traumatic brain injury in the impact accelerated rodent model: A pilot study. <i>Brain Injury</i> , 2017, 31, 1376-1381.	0.6	19
124	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.	1.1	25
125	Progression marker of Parkinson's disease: a 4-year multi-site imaging study. <i>Brain</i> , 2017, 140, 2183-2192.	3.7	139
126	Free water improves detection of changes in the substantia nigra in parkinsonism: A multisite study. <i>Movement Disorders</i> , 2017, 32, 1457-1464.	2.2	60

#	ARTICLE	IF	CITATIONS
127	Performance of unscented Kalman filter tractography in edema: Analysis of the two-tensor model. <i>NeuroImage: Clinical</i> , 2017, 15, 819-831.	1.4	37
128	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.	1.9	72
129	[P4237]: WHITE MATTER MICROSTRUCTURAL AND EXTRACELLULAR FREE-WATER CHANGES ASSOCIATED WITH COGNITION IN AMNESTIC MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P1365.	0.4	0
130	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.	3.0	70
131	158. Female-Specific Excessive Extracellular Free-Water in Prodromal Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017, 43, S81-S81.	2.3	0
132	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, 1475-1486.	1.7	42
133	Tractography Analysis of 5 White Matter Bundles and Their Clinical and Cognitive Correlates in Early-Course Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016, 42, 762-771.	2.3	45
134	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, 405-414.	1.4	37
135	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, 2894-2903.	1.9	31
136	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.	1.1	30
137	In vivo imaging of neuroinflammation in schizophrenia. <i>Schizophrenia Research</i> , 2016, 173, 200-212.	1.1	118
138	Applying a free-water correction to diffusion imaging data uncovers stress-related neural pathology in depression. <i>NeuroImage: Clinical</i> , 2016, 10, 336-342.	1.4	54
139	Q-space trajectory imaging for multidimensional diffusion MRI of the human brain. <i>NeuroImage</i> , 2016, 135, 345-362.	2.1	256
140	Free-water imaging in Parkinson's disease and atypical parkinsonism. <i>Brain</i> , 2016, 139, 495-508.	3.7	165
141	Cavum Septi Pellucidi in Symptomatic Former Professional Football Players. <i>Journal of Neurotrauma</i> , 2016, 33, 346-353.	1.7	102
142	Longitudinal changes in free-water within the substantia nigra of Parkinson's disease. <i>Brain</i> , 2015, 138, 2322-2331.	3.7	177
143	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, 1768-1776.	1.7	150
144	Does diffusion MRI tell us anything about the white matter? An overview of methods and pitfalls. <i>Schizophrenia Research</i> , 2015, 161, 133-141.	1.1	86

#	ARTICLE	IF	CITATIONS
145	Comparing free water imaging and magnetization transfer measurements in schizophrenia. Schizophrenia Research, 2015, 161, 126-132.	1.1	31
146	Increased free water in the substantia nigra of Parkinson's disease: a single-site and multi-site study. Neurobiology of Aging, 2015, 36, 1097-1104.	1.5	133
147	The extent of diffusion MRI markers of neuroinflammation and white matter deterioration in chronic schizophrenia. Schizophrenia Research, 2015, 161, 113-118.	1.1	115
148	Reconstruction of the arcuate fasciculus for surgical planning in the setting of peritumoral edema using two-tensor unscented Kalman filter tractography. NeuroImage: Clinical, 2015, 7, 815-822.	1.4	60
149	Widespread white matter degeneration preceding the onset of dementia. Alzheimer's and Dementia, 2015, 11, 485.	0.4	67
150	White Matter Microstructure in Individuals at Clinical High Risk of Psychosis: A Whole-Brain Diffusion Tensor Imaging Study. Schizophrenia Bulletin, 2014, 40, 895-903.	2.3	97
151	Neuroimaging in repetitive brain trauma. Alzheimer's Research and Therapy, 2014, 6, 10.	3.0	49
152	Excessive Extracellular Volume Reveals a Neurodegenerative Pattern in Schizophrenia Onset. Journal of Neuroscience, 2012, 32, 17365-17372.	1.7	259
153	Estimation of Extracellular Volume from Regularized Multi-shell Diffusion MRI. Lecture Notes in Computer Science, 2012, 15, 305-312.	1.0	65
154	The effect of metric selection on the analysis of diffusion tensor MRI data. NeuroImage, 2010, 49, 2190-2204.	2.1	48
155	Free water elimination and mapping from diffusion MRI. Magnetic Resonance in Medicine, 2009, 62, 717-730.	1.9	754
156	Fast GL(n)-Invariant Framework for Tensors Regularization. International Journal of Computer Vision, 2009, 85, 211-222.	10.9	14
157	Diffusion Tensor Imaging (DTI)-based White Matter Mapping in Brain Research: A Review. Journal of Molecular Neuroscience, 2008, 34, 51-61.	1.1	1,252
158	Variational multiple-tensor fitting of fiber-ambiguous diffusion-weighted magnetic resonance imaging voxels. Magnetic Resonance Imaging, 2008, 26, 1133-1144.	1.0	41
159	Regularization of diffusion tensor MRI via local coordinates. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1011211-1011212.	0.2	1