

Alexandra L Young

List of Publications by Year in Descending Order

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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.

188
papers

6,074
citations

40
h-index

75
g-index

212
ext. papers

8,442
ext. citations

5.8
avg, IF

6.19
L-index

#	Paper	IF	Citations
188	Training data distribution significantly impacts the estimation of tissue microstructure with machine learning. <i>Magnetic Resonance in Medicine</i> , 2022 , 87, 932-947	4.4	7
187	Deep Learning-Based Long Term Mortality Prediction in the National Lung Screening Trial. <i>IEEE Access</i> , 2022 , 10, 34369-34378	3.5	
186	Temporal Progression Patterns of Brain Atrophy in Corticobasal Syndrome and Progressive Supranuclear Palsy Revealed by Subtype and Stage Inference (SuStaln).. <i>Frontiers in Neurology</i> , 2022 , 13, 814768	4.1	1
185	AlzEye: longitudinal record-level linkage of ophthalmic imaging and hospital admissions of 353 157 patients in London, UK.. <i>BMJ Open</i> , 2022 , 12, e058552	3	1
184	Ten years of image analysis and machine learning competitions in dementia.. <i>NeuroImage</i> , 2022 , 119083	7.9	1
183	Revealing the Timeline of Structural MRI Changes in Premanifest to Manifest Huntington Disease. <i>Neurology: Genetics</i> , 2021 , 7, e617	3.8	2
182	Degenerative adversarial neuroimage nets for brain scan simulations: Application in ageing and dementia. <i>Medical Image Analysis</i> , 2021 , 75, 102257	15.4	0
181	Presumed small vessel disease, imaging and cognition markers in the Alzheimer's Disease Neuroimaging Initiative. <i>Brain Communications</i> , 2021 , 3, fcab226	4.5	
180	Multiple b-values improve discrimination of cortical gray matter regions using diffusion MRI: an experimental validation with a data-driven approach. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021 , 34, 677-687	2.8	0
179	Evaluation of PSA and PSA Density in a Multiparametric Magnetic Resonance Imaging-Directed Diagnostic Pathway for Suspected Prostate Cancer: The INNOVATE Trial. <i>Cancers</i> , 2021 , 13,	6.6	1
178	Four distinct trajectories of tau deposition identified in Alzheimer's disease. <i>Nature Medicine</i> , 2021 , 27, 871-881	50.5	81
177	Identifying multiple sclerosis subtypes using unsupervised machine learning and MRI data. <i>Nature Communications</i> , 2021 , 12, 2078	17.4	32
176	Inter-Cohort Validation of SuStaln Model for Alzheimer's Disease. <i>Frontiers in Big Data</i> , 2021 , 4, 661110	2.8	0
175	Characterizing the Clinical Features and Atrophy Patterns of -Related Frontotemporal Dementia With Disease Progression Modeling. <i>Neurology</i> , 2021 , 97, e941-e952	6.5	3
174	Comparison of Neurite Orientation Dispersion and Density Imaging and Two-Compartment Spherical Mean Technique Parameter Maps in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2021 , 12, 662855	4.1	2
173	Uncertainty modelling in deep learning for safer neuroimage enhancement: Demonstration in diffusion MRI. <i>NeuroImage</i> , 2021 , 225, 117366	7.9	21
172	The sequence of structural, functional and cognitive changes in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2021 , 29, 102550	5.3	4

171	Validation of low-dose lung cancer PET-CT protocol and PET image improvement using machine learning. <i>Physica Medica</i> , 2021 , 81, 285-294	2.7	3
170	Machine learning based white matter models with permeability: An experimental study in cuprizone treated in-vivo mouse model of axonal demyelination. <i>NeuroImage</i> , 2021 , 224, 117425	7.9	8
169	Learning Transition Times in Event Sequences: The Temporal Event-Based Model of Disease Progression. <i>Lecture Notes in Computer Science</i> , 2021 , 583-595	0.9	1
168	Detection of covert lesions in focal epilepsy using computational analysis of multimodal magnetic resonance imaging data. <i>Epilepsia</i> , 2021 , 62, 807-816	6.4	4
167	Improving the characterization of meningioma microstructure in proton therapy from conventional apparent diffusion coefficient measurements using Monte Carlo simulations of diffusion MRI. <i>Medical Physics</i> , 2021 , 48, 1250-1261	4.4	4
166	Sequence of clinical and neurodegeneration events in Parkinson's disease progression. <i>Brain</i> , 2021 , 144, 975-988	11.2	8
165	Mortality in combined pulmonary fibrosis and emphysema patients is determined by the sum of pulmonary fibrosis and emphysema. <i>ERJ Open Research</i> , 2021 , 7,	3.5	2
164	Data-Driven multi-Contrast spectral microstructure imaging with InSpect: INTEGRAted SPECTral component estimation and mapping. <i>Medical Image Analysis</i> , 2021 , 71, 102045	15.4	6
163	Joint super-resolution and synthesis of 1mm isotropic MP-RAGE volumes from clinical MRI exams with scans of different orientation, resolution and contrast. <i>NeuroImage</i> , 2021 , 237, 118206	7.9	12
162	Pleuroparenchymal fibroelastosis in idiopathic pulmonary fibrosis: Survival analysis using visual and computer-based computed tomography assessment. <i>EclinicalMedicine</i> , 2021 , 38, 101009	11.3	0
161	Ordinal SuStaln: Subtype and Stage Inference for Clinical Scores, Visual Ratings, and Other Ordinal Data. <i>Frontiers in Artificial Intelligence</i> , 2021 , 4, 613261	3	2
160	A Multi-Study Model-Based Evaluation of the Sequence of Imaging and Clinical Biomarker Changes in Huntington's Disease. <i>Frontiers in Big Data</i> , 2021 , 4, 662200	2.8	1
159	Tertiary lymphoid structures (TLS) identification and density assessment on H&E-stained digital slides of lung cancer. <i>PLoS ONE</i> , 2021 , 16, e0256907	3.7	4
158	On the potential for mapping apparent neural soma density via a clinically viable diffusion MRI protocol. <i>NeuroImage</i> , 2021 , 239, 118303	7.9	4
157	On the generalizability of diffusion MRI signal representations across acquisition parameters, sequences and tissue types: Chronicles of the MEMENTO challenge. <i>NeuroImage</i> , 2021 , 240, 118367	7.9	3
156	Opportunities and Barriers for Adoption of a Decision-Support Tool for Alzheimer's Disease. <i>ACM Transactions on Computing for Healthcare</i> , 2021 , 2, 1-19	2.6	0
155	pySuStaln: a Python implementation of the Subtype and Stage Inference algorithm.. <i>SoftwareX</i> , 2021 , 16, 100811-100811	2.7	2
154	Identifying and evaluating clinical subtypes of Alzheimer's disease in care electronic health records using unsupervised machine learning. <i>BMC Medical Informatics and Decision Making</i> , 2021 , 21, 343	3.6	1

153	Characterising the spatiotemporal heterogeneity of neurodegenerative diseases using subtype and stage inference. <i>Alzheimer's and Dementia</i> , 2020 , 16, e037996	1.2	
152	Predicting Alzheimer's disease progression: Results from the TADPOLE Challenge. <i>Alzheimer's and Dementia</i> , 2020 , 16, e039538	1.2	1
151	Accounting for systematic spatiotemporal variation improves connectome-based models of tau spreading in human Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e040586	1.2	
150	Show, don't tell: Brain visualisations for neuroimaging studies. <i>Alzheimer's and Dementia</i> , 2020 , 16, e041997	1.2	
149	Inter-cohort staging efficacy of gaussian process progression model for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e043246	1.2	
148	Cognitive and clinical outcome measures for Alzheimer's disease prevention trials in adults with Down syndrome. <i>Alzheimer's and Dementia</i> , 2020 , 16, e043478	1.2	
147	Augmenting cognitive assessment with instruction-less Eye-tracking tests: A machine learning approach for detecting abnormal oculomotor biomarkers. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045318	1.2	
146	Tau-first subtype of Alzheimer's disease progression consistently identified through PET and CSF. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045412	1.2	
145	Augmenting cognitive assessment with instruction-less eye-tracking tests: A machine learning approach for detecting abnormal oculomotor biomarkers. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045483	1.2	
144	Spatiotemporal imaging phenotypes of tau pathology in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045612	1.2	1
143	Multimodal modelling of the heterogeneity of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045822	1.2	1
142	Analyzing large Alzheimer's disease cognitive datasets: Considerations and challenges. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020 , 12, e12135	5.2	2
141	Microscopic susceptibility anisotropy imaging. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 2739-2753	4.4	4
140	Evolution of white matter damage in amyotrophic lateral sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 722-732	5.3	6
139	Prion propagation estimated from brain diffusion MRI is subtype dependent in sporadic Creutzfeldt-Jakob disease. <i>Acta Neuropathologica</i> , 2020 , 140, 169-181	14.3	10
138	Sequences of cognitive decline in typical Alzheimer's disease and posterior cortical atrophy estimated using a novel event-based model of disease progression. <i>Alzheimer's and Dementia</i> , 2020 , 16, 965-973	1.2	13
137	Multi-parametric quantitative in vivo spinal cord MRI with unified signal readout and image denoising. <i>NeuroImage</i> , 2020 , 217, 116884	7.9	11
136	Noninvasive diffusion magnetic resonance imaging of brain tumour cell size for the early detection of therapeutic response. <i>Scientific Reports</i> , 2020 , 10, 9223	4.9	10

135	Reply to: Early white matter changes on diffusion tensor imaging in amyotrophic lateral sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 1266-1267	5.3	
134	Robust Markers and Sample Sizes for Multicenter Trials of Huntington Disease. <i>Annals of Neurology</i> , 2020 , 87, 751-762	9.4	14
133	Measuring diffusion exchange across the cell membrane with DEXSY (Diffusion Exchange Spectroscopy). <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 1543-1551	4.4	7
132	Trajectories of Disease Accumulation Using Electronic Health Records. <i>Studies in Health Technology and Informatics</i> , 2020 , 270, 469-473	0.5	1
131	Using Unsupervised Learning to Identify Clinical Subtypes of Alzheimer's Disease in Electronic Health Records. <i>Studies in Health Technology and Informatics</i> , 2020 , 270, 499-503	0.5	4
130	Subtype and stage inference identifies distinct atrophy patterns in genetic frontotemporal dementia that MAP onto specific MAPT mutations. <i>Alzheimer's and Dementia</i> , 2020 , 16, e042996	1.2	0
129	Reduced neurite density in the brain and cervical spinal cord in relapsing-remitting multiple sclerosis: A NODDI study. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 1647-1657	5	24
128	Disease Progression Modeling in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 294-302	10.2	20
127	Higher-order diffusion MRI characterization of mesorectal lymph nodes in rectal cancer. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 348-364	4.4	3
126	CRAFT (Cerclage after full dilatation caesarean section): protocol of a mixed methods study investigating the role of previous in-labour caesarean section in preterm birth risk. <i>BMC Pregnancy and Childbirth</i> , 2020 , 20, 698	3.2	1
125	ConFIG: Contextual Fibre Growth to generate realistic axonal packing for diffusion MRI simulation. <i>NeuroImage</i> , 2020 , 220, 117107	7.9	14
124	Thoracic Imaging at Exacerbation of Chronic Obstructive Pulmonary Disease: A Systematic Review. <i>International Journal of COPD</i> , 2020 , 15, 1751-1787	3	3
123	Predicting Alzheimer's disease progression using deep recurrent neural networks. <i>NeuroImage</i> , 2020 , 222, 117203	7.9	23
122	Quantitative detection and staging of presymptomatic cognitive decline in familial Alzheimer's disease: a retrospective cohort analysis. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 126	9	4
121	Mutant huntingtin and neurofilament light have distinct longitudinal dynamics in Huntington's disease. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	24
120	SANDI: A compartment-based model for non-invasive apparent soma and neurite imaging by diffusion MRI. <i>NeuroImage</i> , 2020 , 215, 116835	7.9	69
119	Cross-scanner and cross-protocol diffusion MRI data harmonisation: A benchmark database and evaluation of algorithms. <i>NeuroImage</i> , 2019 , 195, 285-299	7.9	46
118	Longitudinal neuroanatomical and cognitive progression of posterior cortical atrophy. <i>Brain</i> , 2019 , 142, 2082-2095	11.2	36

117	Modeling longitudinal imaging biomarkers with parametric Bayesian multi-task learning. <i>Human Brain Mapping</i> , 2019 , 40, 3982-4000	5.9	7
116	Applying causal models to explore the mechanism of action of simvastatin in progressive multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11020-11027	11.5	13
115	Combined diffusion-relaxometry MRI to identify dysfunction in the human placenta. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 95-106	4.4	39
114	DIVE: A spatiotemporal progression model of brain pathology in neurodegenerative disorders. <i>NeuroImage</i> , 2019 , 192, 166-177	7.9	29
113	Fixel-based analysis of the preterm brain: Disentangling bundle-specific white matter microstructural and macrostructural changes in relation to clinical risk factors. <i>NeuroImage: Clinical</i> , 2019 , 23, 101820	5.3	18
112	Different patterns of cortical maturation before and after 38 weeks gestational age demonstrated by diffusion MRI in vivo. <i>NeuroImage</i> , 2019 , 185, 764-775	7.9	43
111	Probing axons using multi-compartmental diffusion in multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 1595-1605	5.3	12
110	Multi-study validation of data-driven disease progression models to characterize evolution of biomarkers in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019 , 24, 101954	5.3	19
109	SVM recursive feature elimination analyses of structural brain MRI predicts near-term relapses in patients with clinically isolated syndromes suggestive of multiple sclerosis. <i>NeuroImage: Clinical</i> , 2019 , 24, 102011	5.3	23
108	Differences in topological progression profile among neurodegenerative diseases from imaging data. <i>ELife</i> , 2019 , 8,	8.9	8
107	Disease Knowledge Transfer across Neurodegenerative Diseases. <i>Lecture Notes in Computer Science</i> , 2019 , 11765, 860-868	0.9	2
106	TADPOLE Challenge: Accurate Alzheimer's disease prediction through crowdsourced forecasting of future data. <i>Lecture Notes in Computer Science</i> , 2019 , 11843, 1-10	0.9	14
105	BrainPainter: A software for the visualisation of brain structures, biomarkers and associated pathological processes. <i>Lecture Notes in Computer Science</i> , 2019 , 11846, 112-120	0.9	9
104	VERDICT MRI validation in fresh and fixed prostate specimens using patient-specific moulds for histological and MR alignment. <i>NMR in Biomedicine</i> , 2019 , 32, e4073	4.4	12
103	O3-03-01: THE SEQUENCE AND TIMING OF PRECLINICAL COGNITIVE DECLINE IN AUTOSOMAL DOMINANT ALZHEIMER'S DISEASE 2019 , 15, P882-P882		1
102	IC-P-159: AMYLOID-BETA ACCUMULATION AFFECTS IN VIVO STAGING OF TAU DEPOSITION IN COGNITIVELY IMPAIRED INDIVIDUALS 2019 , 15, P127-P128		
101	In Utero Diffusion MRI: Challenges, Advances, and Applications. <i>Topics in Magnetic Resonance Imaging</i> , 2019 , 28, 255-264	2.3	4
100	Relevance of time-dependence for clinically viable diffusion imaging of the spinal cord. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1247-1264	4.4	18

99	Simplified Luminal Water Imaging for the Detection of Prostate Cancer From Multiecho T MR Images. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 910-917	5.6	7
98	Neurite density is reduced in the presymptomatic phase of disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 387-394	5.5	31
97	Neurite orientation and dispersion density imaging (NODDI) detects cortical and corticospinal tract degeneration in ALS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 404-411	5.5	43
96	A generative model of realistic brain cells with application to numerical simulation of the diffusion-weighted MR signal. <i>NeuroImage</i> , 2019 , 188, 391-402	7.9	30
95	Multi-modal functional MRI to explore placental function over gestation. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1191-1204	4.4	38
94	Probabilistic disease progression modeling to characterize diagnostic uncertainty: Application to staging and prediction in Alzheimer's disease. <i>NeuroImage</i> , 2019 , 190, 56-68	7.9	46
93	Imaging brain microstructure with diffusion MRI: practicality and applications. <i>NMR in Biomedicine</i> , 2019 , 32, e3841	4.4	161
92	Susceptibility of brain atrophy to in Alzheimer's disease, evidence from functional prioritization in imaging genetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3162-3167	11.5	25
91	Cortical microstructure in young onset Alzheimer's disease using neurite orientation dispersion and density imaging. <i>Human Brain Mapping</i> , 2018 , 39, 3005-3017	5.9	55
90	Using diffusion MRI to discriminate areas of cortical grey matter. <i>NeuroImage</i> , 2018 , 182, 456-468	7.9	20
89	Deep gray matter volume loss drives disability worsening in multiple sclerosis. <i>Annals of Neurology</i> , 2018 , 83, 210-222	9.4	185
88	An image-based model of brain volume biomarker changes in Huntington's disease. <i>Annals of Clinical and Translational Neurology</i> , 2018 , 5, 570-582	5.3	31
87	Data-driven models of dominantly-inherited Alzheimer's disease progression. <i>Brain</i> , 2018 , 141, 1529-1544	11.2	66
86	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. <i>NeuroImage</i> , 2018 , 166, 400-424	7.9	415
85	An optimized framework for quantitative magnetization transfer imaging of the cervical spinal cord in vivo. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2576-2588	4.4	7
84	Modeling Alzheimer's disease progression using deep recurrent neural networks 2018 ,		11
83	Microstructure Characterization of Bone Metastases from Prostate Cancer with Diffusion MRI: Preliminary Findings. <i>Frontiers in Oncology</i> , 2018 , 8, 26	5.3	6
82	Placenta microstructure and microcirculation imaging with diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 756-766	4.4	38

81	Experimental studies of g-ratio MRI in ex vivo mouse brain. <i>NeuroImage</i> , 2018 , 167, 366-371	7.9	10
80	P1-372: SUBTYPES OF NEURODEGENERATION IN ALZHEIMER DISEASE: A HEAD-TO-HEAD COMPARISON OF FOUR BRAIN ATROPHY SUBTYPE ALGORITHMS IN ADNI 2018 , 14, P438-P439		2
79	TD-P-024: EFFECTS OF VISUAL ENVIRONMENT ON FIXATION AND GAIT PARAMETERS IN ALZHEIMER'S DISEASE AND POSTERIOR CORTICAL ATROPHY 2018 , 14, P196-P197		
78	P4-148: ECHOES AROUND THE HOME: CAN THE AMAZON ECHO BE USED IN THE HOME TO HELP THOSE LIVING WITH DEMENTIA? 2018 , 14, P1495-P1496		
77	P3-436: MECHANISTIC PROFILES OF NEURODEGENERATION: A STUDY IN ALZHEIMER'S DISEASE, HEALTHY AGEING AND PRIMARY PROGRESSIVE MULTIPLE SCLEROSIS 2018 , 14, P1280-P1281		
76	IC-P-076: GENOMEWIDE ASSOCIATION STUDY OF DATA-DRIVEN ALZHEIMER'S DISEASE SUBTYPES 2018 , 14, P67-P68		
75	O3-10-04: GENOMEWIDE ASSOCIATION STUDY OF DATA-DRIVEN ALZHEIMER'S DISEASE SUBTYPES 2018 , 14, P1042-P1043		1
74	P1-662: EFFECTS OF VISUAL ENVIRONMENT ON FIXATION AND GAIT PARAMETERS IN ALZHEIMER'S DISEASE AND POSTERIOR CORTICAL ATROPHY 2018 , 14, P596-P596		
73	P1-474: SURFACE-BASED ANALYSIS OF CORTICAL GREY MATTER MICROSTRUCTURE IN YOUNG-ONSET ALZHEIMER'S DISEASE USING NEURITE ORIENTATION DISPERSION AND DENSITY IMAGING (NODDI) 2018 , 14, P505-P505		
72	O1-08-02: SEQUENCE OF COGNITIVE DECLINE IN ADULTS WITH DOWN SYNDROME DURING PROGRESSION FROM PRECLINICAL TO PRODROMAL ALZHEIMER'S DISEASE 2018 , 14, P235-P236		
71	TD-07-02: ECHOES AROUND THE HOME: CAN THE AMAZON ECHO BE USED IN THE HOME TO HELP THOSE LIVING WITH DEMENTIA? 2018 , 14, P184-P185		
70	Uncovering the heterogeneity and temporal complexity of neurodegenerative diseases with Subtype and Stage Inference. <i>Nature Communications</i> , 2018 , 9, 4273	17.4	125
69	Evaluation of mutant huntingtin and neurofilament proteins as potential markers in Huntington's disease. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	67
68	Accurate estimation of microscopic diffusion anisotropy and its time dependence in the mouse brain. <i>NeuroImage</i> , 2018 , 183, 934-949	7.9	33
67	Aging related cognitive changes associated with Alzheimer's disease in Down syndrome. <i>Annals of Clinical and Translational Neurology</i> , 2018 , 5, 741-751	5.3	48
66	Progression of regional grey matter atrophy in multiple sclerosis. <i>Brain</i> , 2018 , 141, 1665-1677	11.2	146
65	Early development of structural networks and the impact of prematurity on brain connectivity. <i>NeuroImage</i> , 2017 , 149, 379-392	7.9	125
64	Image quality transfer and applications in diffusion MRI. <i>NeuroImage</i> , 2017 , 152, 283-298	7.9	63

63	Machine learning based compartment models with permeability for white matter microstructure imaging. <i>NeuroImage</i> , 2017 , 150, 119-135	7.9	52
62	ApoE influences regional white-matter axonal density loss in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2017 , 57, 8-17	5.6	49
61	Diffusion MRI microstructure models with in vivo human brain Connectome data: results from a multi-group comparison. <i>NMR in Biomedicine</i> , 2017 , 30, e3734	4.4	26
60	Imaging plus X: multimodal models of neurodegenerative disease. <i>Current Opinion in Neurology</i> , 2017 , 30, 371-379	7.1	50
59	Microstructural models for diffusion MRI in breast cancer and surrounding stroma: an ex vivo study. <i>NMR in Biomedicine</i> , 2017 , 30, e3679	4.4	20
58	A tract-specific approach to assessing white matter in preterm infants. <i>NeuroImage</i> , 2017 , 157, 675-694	7.9	23
57	Impaired development of the cerebral cortex in infants with congenital heart disease is correlated to reduced cerebral oxygen delivery. <i>Scientific Reports</i> , 2017 , 7, 15088	4.9	41
56	[P4061]: LONGITUDINAL EVALUATION OF NEUROPSYCHOLOGICAL AND NEUROIMAGING PROGRESSION IN POSTERIOR CORTICAL ATROPHY 2017 , 13, P1382-P1383		
55	[P1043]: MULTIPLE DISTINCT ATROPHY PATTERNS FOUND IN GENETIC FRONTOTEMPORAL DEMENTIA USING SUBTYPE AND STAGE INFERENCE (SUSTAIN) 2017 , 13, P453-P454		1
54	[IC-P-079]: MULTIPLE DISTINCT ATROPHY PATTERNS FOUND IN GENETIC FRONTOTEMPORAL DEMENTIA USING SUBTYPE AND STAGE INFERENCE (SUSTAIN) 2017 , 13, P65-P66		
53	Improved tractography using asymmetric fibre orientation distributions. <i>NeuroImage</i> , 2017 , 158, 205-218	7.9	29
52	Double oscillating diffusion encoding and sensitivity to microscopic anisotropy. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 550-564	4.4	25
51	[P2014]: CHARACTERISING THE PROGRESSION OF ALZHEIMER'S DISEASE SUBTYPES USING SUBTYPE AND STAGE INFERENCE (SUSTAIN) 2017 , 13, P791-P792		
50	[P4064]: DATA-DRIVEN MODELS OF DISEASE PROGRESSION AND APPLICATIONS TO ALZHEIMER'S DISEASE: EVENT-BASED MODEL AND DIFFERENTIAL EQUATION MODELS OF BIOMARKER CHANGES IN ADNI 2017 , 13, P1323-P1325		
49	[P4030]: LONGITUDINAL NEURITE ORIENTATION DISPERSION AND DENSITY IMAGING IN YOUNG-ONSET ALZHEIMER'S DISEASE 2017 , 13, P1359-P1360		
48	[P4057]: ANALYSIS OF THE HETEROGENEITY OF POSTERIOR CORTICAL ATROPHY: DATA-DRIVEN MODEL PREDICTS DISTINCT ATROPHY PATTERNS FOR THREE DIFFERENT COGNITIVE SUBGROUPS 2017 , 13, P1379-P1380		
47	[P4089]: CAN EYETRACKING METRICS RELATE TO PERFORMANCE ON VISUAL COGNITIVE TESTS OF INDIVIDUALS WITH YOUNG-ONSET ALZHEIMER'S DISEASE? 2017 , 13, P1397-P1398		
46	[IC-P-141]: ANALYSIS OF THE HETEROGENEITY OF POSTERIOR CORTICAL ATROPHY: DATA-DRIVEN MODEL PREDICTS DISTINCT ATROPHY PATTERNS FOR THREE DIFFERENT COGNITIVE SUBGROUPS 2017 , 13, P106-P108		

45	[IC-P-154]: CHARACTERISING THE PROGRESSION OF ALZHEIMER'S DISEASE SUBTYPES USING SUBTYPE AND STAGE INFERENCE (SUSTAIN) 2017 , 13, P116-P117		1
44	[IC-P-168]: LONGITUDINAL NEURITE ORIENTATION DISPERSION AND DENSITY IMAGING IN YOUNG-ONSET ALZHEIMER'S DISEASE 2017 , 13, P127-P127		
43	Eyetracking Metrics in Young Onset Alzheimer's Disease: A Window into Cognitive Visual Functions. <i>Frontiers in Neurology</i> , 2017 , 8, 377	4.1	29
42	Data-Driven Sequence of Changes to Anatomical Brain Connectivity in Sporadic Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2017 , 8, 580	4.1	29
41	Apparatus for Histological Validation of and Magnetic Resonance Imaging of the Human Prostate. <i>Frontiers in Oncology</i> , 2017 , 7, 47	5.3	22
40	A Vertex Clustering Model for Disease Progression: Application to Cortical Thickness Images. <i>Lecture Notes in Computer Science</i> , 2017 , 134-145	0.9	4
39	Gray matter MRI differentiates neuromyelitis optica from multiple sclerosis using random forest. <i>Neurology</i> , 2016 , 87, 2463-2470	6.5	40
38	Bingham-NODDI: Mapping anisotropic orientation dispersion of neurites using diffusion MRI. <i>NeuroImage</i> , 2016 , 133, 207-223	7.9	97
37	PGSE, OGSE, and sensitivity to axon diameter in diffusion MRI: Insight from a simulation study. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 688-700	4.4	82
36	Model-based estimation of microscopic anisotropy using diffusion MRI: a simulation study. <i>NMR in Biomedicine</i> , 2016 , 29, 672-85	4.4	33
35	Parametric Probability Distribution Functions for Axon Diameters of Corpus Callosum. <i>Frontiers in Neuroanatomy</i> , 2016 , 10, 59	3.6	21
34	Multi-compartment microscopic diffusion imaging. <i>NeuroImage</i> , 2016 , 139, 346-359	7.9	186
33	A framework for optimal whole-sample histological quantification of neurite orientation dispersion in the human spinal cord. <i>Journal of Neuroscience Methods</i> , 2016 , 273, 20-32	3	20
32	Conventions and nomenclature for double diffusion encoding NMR and MRI. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 82-7	4.4	123
31	Microstructural parameter estimation in vivo using diffusion MRI and structured prior information. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1787-96	4.4	8
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4	Longitudinal dynamics of mutant huntingtin and neurofilament light in Huntington's disease: the prospective HD-CSF study		2
3	Characterizing the spatiotemporal variability of Alzheimer's disease pathology		5
2	Uncovering the heterogeneity and temporal complexity of neurodegenerative diseases with Subtype and Stage Inference		3
1	Cognitive Changes associated with Alzheimer's disease in Down syndrome		3