Derek K Jones

List of Publications by Year in Descending Order

166 papers	**20,120** citations	**56** h-index	**141** g-index
186 ext. papers	**23,303** ext. citations	**5.3** avg, IF	**7.3** L-index

#	Paper	IF	Citations
166	Toward more robust and reproducible diffusion kurtosis imaging. *Magnetic Resonance in Medicine*, **2021**, 86, 1600-1613	4.4	7
165	Validating pore size estimates in a complex microfiber environment on a human MRI system. *Magnetic Resonance in Medicine*, **2021**, 86, 1514-1530	4.4	2
164	The impact of graph construction scheme and community detection algorithm on the repeatability of community and hub identification in structural brain networks. *Human Brain Mapping*, **2021**, 42, 4261-4280	5.9	3
163	Mapping Structural Connectivity Using Diffusion MRI: Challenges and Opportunities. *Journal of Magnetic Resonance Imaging*, **2021**, 53, 1666-1682	5.6	31
162	Predictors of training-related improvement in visuomotor performance in patients with multiple sclerosis: A behavioural and MRI study. *Multiple Sclerosis Journal*, **2021**, 27, 1088-1101	5	3
161	The sensitivity of diffusion MRI to microstructural properties and experimental factors. *Journal of Neuroscience Methods*, **2021**, 347, 108951	3	13
160	Computing and visualising intra-voxel orientation-specific relaxation-diffusion features in the human brain. *Human Brain Mapping*, **2021**, 42, 310-328	5.9	12
159	A comparative study of gradient nonlinearity correction strategies for processing diffusion data obtained with ultra-strong gradient MRI scanners. *Magnetic Resonance in Medicine*, **2021**, 85, 1104-1113	4.4	15
158	MICRA: Microstructural image compilation with repeated acquisitions. *NeuroImage*, **2021**, 225, 117406	7.9	9
157	Apparent propagator anisotropy from single-shell diffusion MRI acquisitions. *Magnetic Resonance in Medicine*, **2021**, 85, 2869-2881	4.4	2
156	The effect of gradient nonlinearities on fiber orientation estimates from spherical deconvolution of diffusion magnetic resonance imaging data. *Human Brain Mapping*, **2021**, 42, 367-383	5.9	4
155	Multi-compartment analysis of the complex gradient-echo signal quantifies myelin breakdown in premanifest Huntington's disease. *NeuroImage: Clinical*, **2021**, 30, 102658	5.3	1
154	Magnetic Resonance Imaging of (T_2)- and Diffusion Anisotropy Using a Tiltable Receive Coil. *Mathematics and Visualization*, **2021**, 247-262	0.6	
153	Predicting MEG resting-state functional connectivity from microstructural information. *Network Neuroscience*, **2021**, 5, 477-504	5.6	8
152	The variability of MR axon radii estimates in the human white matter. *Human Brain Mapping*, **2021**, 42, 2201-2213	5.9	11
151	Resolving bundle-specific intra-axonal T values within a voxel using diffusion-relaxation tract-based estimation. *NeuroImage*, **2021**, 227, 117617	7.9	11
150	Computing the orientational-average of diffusion-weighted MRI signals: a comparison of different techniques. *Scientific Reports*, **2021**, 11, 14345	4.9	2

149	SPHERIOUSLY? The challenges of estimating sphere radius non-invasively in the human brain from diffusion MRI. *NeuroImage*, **2021**, 237, 118183	7.9	4
148	Measuring compartmental T-orientational dependence in human brain white matter using a tiltable RF coil and diffusion-T correlation MRI. *NeuroImage*, **2021**, 236, 117967	7.9	7
147	Detecting microstructural deviations in individuals with deep diffusion MRI tractometry. *Nature Computational Science*, **2021**, 1, 598-606		2
146	Full-field MRI measurements of in-vivo positional brain shift reveal the significance of intra-cranial geometry and head orientation for stereotactic surgery. *Scientific Reports*, **2021**, 11, 17684	4.9	2
145	On the generalizability of diffusion MRI signal representations across acquisition parameters, sequences and tissue types: Chronicles of the MEMENTO challenge. *NeuroImage*, **2021**, 240, 118367	7.9	3
144	Global Brain Flexibility During Working Memory Is Reduced in a High-Genetic-Risk Group for Schizophrenia. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 6, 1176-1184	3.4	0
143	Q-Space Quantitative Diffusion MRI Measures Using a Stretched-Exponential Representation. *Mathematics and Visualization*, **2021**, 121-133	0.6	
142	Drumming Motor Sequence Training Induces Apparent Myelin Remodelling in Huntington's Disease: A Longitudinal Diffusion MRI and Quantitative Magnetization Transfer Study. *Journal of Huntington's Disease*, **2020**, 9, 303-320	1.9	2
141	Microscopic susceptibility anisotropy imaging. *Magnetic Resonance in Medicine*, **2020**, 84, 2739-2753	4.4	4
140	A Critical Review of White Matter Changes in Huntington's Disease. *Movement Disorders*, **2020**, 35, 1302-1311	7.4	16
139	Impact of b-value on estimates of apparent fibre density. *Human Brain Mapping*, **2020**, 41, 2583-2595	5.9	33
138	Strong diffusion gradients allow the separation of intra- and extra-axonal gradient-echo signals in the human brain. *NeuroImage*, **2020**, 217, 116793	7.9	11
137	Network diffusion modeling predicts neurodegeneration in traumatic brain injury. *Annals of Clinical and Translational Neurology*, **2020**, 7, 270-279	5.3	15
136	Direction-averaged diffusion-weighted MRI signal using different axisymmetric B-tensor encoding schemes. *Magnetic Resonance in Medicine*, **2020**, 84, 1579-1591	4.4	11
135	The dot-compartment revealed? Diffusion MRI with ultra-strong gradients and spherical tensor encoding in the living human brain. *NeuroImage*, **2020**, 210, 116534	7.9	39
134	Population neuroimaging: generation of a comprehensive data resource within the ALSPAC pregnancy and birth cohort. *Wellcome Open Research*, **2020**, 5, 203	4.8	1
133	Nonivasive quantification of axon radii using diffusion MRI. *ELife*, **2020**, 9,	8.9	67
132	Alternative Diffusion Anisotropy Metric from Reduced MRI Acquisitions. *Mathematics and Visualization*, **2020**, 13-24	0.6	

131	q-Space Novelty Detection with Variational Autoencoders. *Mathematics and Visualization*, **2020**, 113-124	0.6	7
130	DWI Simulation-Assisted Machine Learning Models for Microstructure Estimation. *Mathematics and Visualization*, **2020**, 125-134	0.6	1
129	Acquiring and Predicting Multidimensional Diffusion (MUDI) Data: An Open Challenge. *Mathematics and Visualization*, **2020**, 195-208	0.6	6
128	Tractography in the presence of multiple sclerosis lesions. *NeuroImage*, **2020**, 209, 116471	7.9	20
127	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. *NeuroImage*, **2020**, 221, 117128	7.9	17
126	Imaging Alzheimer's genetic risk using diffusion MRI: A systematic review. *NeuroImage: Clinical*, **2020**, 27, 102359	5.3	9
125	Comparison of Different Tensor Encoding Combinations in Microstructural Parameter Estimation **2019**,		3
124	Estimating axon conduction velocity in vivo from microstructural MRI. *NeuroImage*, **2019**, 203, 116186	7.9	29
123	White matter organization in developmental coordination disorder: A pilot study exploring the added value of constrained spherical deconvolution. *NeuroImage: Clinical*, **2019**, 21, 101625	5.3	11
122	Cross-scanner and cross-protocol diffusion MRI data harmonisation: A benchmark database and evaluation of algorithms. *NeuroImage*, **2019**, 195, 285-299	7.9	46
121	Fornix white matter glia damage causes hippocampal gray matter damage during age-dependent limbic decline. *Scientific Reports*, **2019**, 9, 1060	4.9	25
120	Optimization of graph construction can significantly increase the power of structural brain network studies. *NeuroImage*, **2019**, 199, 495-511	7.9	19
119	Muti-shell Diffusion MRI Harmonisation and Enhancement Challenge (MUSHAC): Progress and Results. *Mathematics and Visualization*, **2019**, 217-224	0.6	10
118	Obtaining Representative Core Streamlines for White Matter Tractometry of the Human Brain. *Mathematics and Visualization*, **2019**, 359-366	0.6	3
117	Resolving degeneracy in diffusion MRI biophysical model parameter estimation using double diffusion encoding. *Magnetic Resonance in Medicine*, **2019**, 82, 395-410	4.4	37
116	Comparing MRI metrics to quantify white matter microstructural damage in multiple sclerosis. *Human Brain Mapping*, **2019**, 40, 2917-2932	5.9	23
115	Sex-specific effects of central adiposity and inflammatory markers on limbic microstructure. *NeuroImage*, **2019**, 189, 793-803	7.9	11
114	Genetic risk for schizophrenia and developmental delay is associated with shape and microstructure of midline white-matter structures. *Translational Psychiatry*, **2019**, 9, 102	8.6	11

113	Dimensionality reduction of diffusion MRI measures for improved tractometry of the human brain. *NeuroImage*, **2019**, 200, 89-100	7.9	38
112	The Superoanterior Fasciculus (SAF): A Novel White Matter Pathway in the Human Brain?. *Frontiers in Neuroanatomy*, **2019**, 13, 24	3.6	11
111	The structural connectome in traumatic brain injury: A meta-analysis of graph metrics. *Neuroscience and Biobehavioral Reviews*, **2019**, 99, 128-137	9	29
110	Neural self-representation in autistic women and association with "compensatory camouflaging". *Autism*, **2019**, 23, 1210-1223	6.6	49
109	MRI Indices of Cortical Development in Young People With Psychotic Experiences: Influence of Genetic Risk and Persistence of Symptoms. *Schizophrenia Bulletin*, **2019**, 45, 169-179	1.3	6
108	Structural and Functional Neuroimaging of Polygenic Risk for Schizophrenia: A Recall-by-Genotype-Based Approach. *Schizophrenia Bulletin*, **2019**, 45, 405-414	1.3	17
107	Myelin Breakdown in Human Huntington's Disease: Multi-Modal Evidence from Diffusion MRI and Quantitative Magnetization Transfer. *Neuroscience*, **2019**, 403, 79-92	3.9	29
106	Evidence for Training-Dependent Structural Neuroplasticity in Brain-Injured Patients: A Critical Review. *Neurorehabilitation and Neural Repair*, **2018**, 32, 99-114	4.7	27
105	A diffusion model-free framework with echo time dependence for free-water elimination and brain tissue microstructure characterization. *Magnetic Resonance in Medicine*, **2018**, 80, 2155-2172	4.4	11
104	Meyer's loop tractography for image-guided surgery depends on imaging protocol and hardware. *NeuroImage: Clinical*, **2018**, 20, 458-465	5.3	21
103	Improving the Predictions of Computational Models of Convection-Enhanced Drug Delivery by Accounting for Diffusion Non-gaussianity. *Frontiers in Neurology*, **2018**, 9, 1092	4.1	1
102	Topographic separation of fornical fibers associated with the anterior and posterior hippocampus in the human brain: An MRI-diffusion study. *Brain and Behavior*, **2017**, 7, e00604	3.4	11
101	Dynamics of White Matter Plasticity Underlying Working Memory Training: Multimodal Evidence from Diffusion MRI and Relaxometry. *Journal of Cognitive Neuroscience*, **2017**, 29, 1509-1520	3.1	39
100	Interactive Computation and Visualization of Structural Connectomes in Real-Time. *Lecture Notes in Computer Science*, **2017**, 35-41	0.9	
99	Improving the Reliability of Network Metrics in Structural Brain Networks by Integrating Different Network Weighting Strategies into a Single Graph. *Frontiers in Neuroscience*, **2017**, 11, 694	5.1	32
98	Resolving relaxometry and diffusion properties within the same voxel in the presence of crossing fibres by combining inversion recovery and diffusion-weighted acquisitions. *Magnetic Resonance in Medicine*, **2016**, 75, 372-80	4.4	45
97	Relationships between cortical myeloarchitecture and electrophysiological networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13510-13515	11.5	63
96	Longitudinal in vivo MRI in a Huntington's disease mouse model: Global atrophy in the absence of white matter microstructural damage. *Scientific Reports*, **2016**, 6, 32423	4.9	12

95	Including diffusion time dependence in the extra-axonal space improves in vivo estimates of axonal diameter and density in human white matter. *NeuroImage*, **2016**, 130, 91-103	7.9	73
94	Mediation of Developmental Risk Factors for Psychosis by White Matter Microstructure in Young Adults With Psychotic Experiences. *JAMA Psychiatry*, **2016**, 73, 396-406	14.5	25
93	Task complexity and location specific changes of cortical thickness in executive and salience networks after working memory training. *NeuroImage*, **2016**, 130, 48-62	7.9	91
92	White Matter Microstructure and Cognitive Function in Young Women With Polycystic Ovary Syndrome. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 314-23	5.6	28
91	Robust MR-based approaches to quantifying white matter structure and structure/function alterations in Huntington's disease. *Journal of Neuroscience Methods*, **2016**, 265, 2-12	3	13
90	Simultaneous Parameter Mapping, Modality Synthesis, and Anatomical Labeling of the Brain with MR Fingerprinting. *Lecture Notes in Computer Science*, **2016**, 579-586	0.9	3
89	Global Efficiency of Structural Networks Mediates Cognitive Control in Mild Cognitive Impairment. *Frontiers in Aging Neuroscience*, **2016**, 8, 292	5.3	30
88	Myelination of the right parahippocampal cingulum is associated with physical activity in young healthy adults. *Brain Structure and Function*, **2016**, 221, 4537-4548	4	18
87	Longitudinal data on cortical thickness before and after working memory training. *Data in Brief*, **2016**, 7, 1143-7	1.2	1
86	Dynamics of the Human Structural Connectome Underlying Working Memory Training. *Journal of Neuroscience*, **2016**, 36, 4056-66	6.6	57
85	Subgenual Cingulum Microstructure Supports Control of Emotional Conflict. *Cerebral Cortex*, **2016**, 26, 2850-62	5.1	23
84	Volumetric, relaxometric and diffusometric correlates of psychotic experiences in a non-clinical sample of young adults. *NeuroImage: Clinical*, **2016**, 12, 550-558	5.3	9
83	T1 relaxometry of crossing fibres in the human brain. *NeuroImage*, **2016**, 141, 133-142	7.9	38
82	Cholinergic basal forebrain structure influences the reconfiguration of white matter connections to support residual memory in mild cognitive impairment. *Journal of Neuroscience*, **2015**, 35, 739-47	6.6	32
81	ADHD severity is associated with white matter microstructure in the subgenual cingulum. *NeuroImage: Clinical*, **2015**, 7, 653-60	5.3	18
80	Schizophrenia-like topological changes in the structural connectome of individuals with subclinical psychotic experiences. *Human Brain Mapping*, **2015**, 36, 2629-43	5.9	50
79	Psychotic Experiences, Working Memory, and the Developing Brain: A Multimodal Neuroimaging Study. *Cerebral Cortex*, **2015**, 25, 4828-38	5.1	19
78	Limbic white matter microstructure plasticity reflects recovery from depression. *Journal of Affective Disorders*, **2015**, 170, 143-9	6.6	30

77   Exploring neural dysfunction in 'clinical high risk' for psychosis: a quantitative review of fMRI studies. *Journal of Psychiatric Research*, **2015**, 61, 122-34   5.2   30

76   Emotion regulation deficits in euthymic bipolar I versus bipolar II disorder: a functional and diffusion-tensor imaging study. *Bipolar Disorders*, **2015**, 17, 461-70   3.8   77

75   In Vivo MRI Evidence that Neuropathology is Attenuated by Cognitive Enrichment in the Yac128 Huntington's Disease Mouse Model. *Journal of Huntington's Disease*, **2015**, 4, 149-60   1.9   5

74   Dissociable roles of the inferior longitudinal fasciculus and fornix in face and place perception. *ELife*, **2015**, 4,   8.9   26

73   Joint Reconstruction of Multi-Contrast MRI for Multiple Sclerosis Lesion Segmentation. *Informatik Aktuell*, **2015**, 155-160   0.3   1

72   Why diffusion tensor MRI does well only some of the time: variance and covariance of white matter tissue microstructure attributes in the living human brain. *NeuroImage*, **2014**, 89, 35-44   7.9   154

71   White matter microstructure predicts autistic traits in attention-deficit/hyperactivity disorder. *Journal of Autism and Developmental Disorders*, **2014**, 44, 2742-54   4.6   12

70   CSF contamination contributes to apparent microstructural alterations in mild cognitive impairment. *NeuroImage*, **2014**, 92, 27-35   7.9   51

69   Improved Executive Function and Callosal White Matter Microstructure after Rhythm Exercise in Huntington's Disease. *Journal of Huntington's Disease*, **2014**, 3, 273-83   1.9   24

68   Interindividual variation in fornix microstructure and macrostructure is related to visual discrimination accuracy for scenes but not faces. *Journal of Neuroscience*, **2014**, 34, 12121-6   6.6   24

67   Gaussian Modeling of the Diffusion Signal **2014**, 87-104   5

66   Investigating the prevalence of complex fiber configurations in white matter tissue with diffusion magnetic resonance imaging. *Human Brain Mapping*, **2013**, 34, 2747-66   5.9   635

65   The CONNECT project: Combining macro- and micro-structure. *NeuroImage*, **2013**, 80, 273-82   7.9   93

64   White matter integrity, fiber count, and other fallacies: the do's and don'ts of diffusion MRI. *NeuroImage*, **2013**, 73, 239-54   7.9   1584

63   Individual differences in fornix microstructure and body mass index. *PLoS ONE*, **2013**, 8, e59849   3.7   28

62   Using the biophysical CHARMED model to elucidate the underpinnings of contrast in diffusional kurtosis analysis of diffusion-weighted MRI. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2012**, 25, 267-76   2.8   24

61   A systematic review of diffusion tensor imaging findings in sports-related concussion. *Journal of Neurotrauma*, **2012**, 29, 2521-38   5.4   115

60   Cingulum white matter in young women at risk of depression: the effect of family history and anhedonia. *Biological Psychiatry*, **2012**, 72, 296-302   7.9   78

59	How and how not to correct for CSF-contamination in diffusion MRI. *NeuroImage*, **2012**, 59, 1394-403	7.9	208
58	The influence of complex white matter architecture on the mean diffusivity in diffusion tensor MRI of the human brain. *NeuroImage*, **2012**, 59, 2208-16	7.9	146
57	Neuroplasticity and functional recovery in multiple sclerosis. *Nature Reviews Neurology*, **2012**, 8, 635-46	15	100
56	Motion correction and registration of high b-value diffusion weighted images. *Magnetic Resonance in Medicine*, **2012**, 67, 1694-702	4.4	55
55	Cortical network for gaze control in humans revealed using multimodal MRI. *Cerebral Cortex*, **2012**, 22, 765-75	5.1	41
54	Temporal association tracts and the breakdown of episodic memory in mild cognitive impairment. *Neurology*, **2012**, 79, 2233-40	6.5	70
53	Cingulum microstructure predicts cognitive control in older age and mild cognitive impairment. *Journal of Neuroscience*, **2012**, 32, 17612-9	6.6	116
52	Partial volume effect as a hidden covariate in DTI analyses. *NeuroImage*, **2011**, 55, 1566-76	7.9	268
51	Spatial and orientational heterogeneity in the statistical sensitivity of skeleton-based analyses of diffusion tensor MR imaging data. *Journal of Neuroscience Methods*, **2011**, 201, 213-9	3	46
50	Diffusion tensor imaging. *Methods in Molecular Biology*, **2011**, 711, 127-44	1.4	154
49	Probabilistic fiber tracking using the residual bootstrap with constrained spherical deconvolution. *Human Brain Mapping*, **2011**, 32, 461-79	5.9	279
48	Frontotemporal connections in episodic memory and aging: a diffusion MRI tractography study. *Journal of Neuroscience*, **2011**, 31, 13236-45	6.6	165
47	Precision and accuracy in diffusion tensor magnetic resonance imaging. *Topics in Magnetic Resonance Imaging*, **2010**, 21, 87-99	2.3	59
46	Challenges and limitations of quantifying brain connectivityin vivowith diffusion MRI. *Imaging in Medicine*, **2010**, 2, 341-355	1	209
45	Visual gamma oscillations and evoked responses: variability, repeatability and structural MRI correlates. *NeuroImage*, **2010**, 49, 3349-57	7.9	128
44	White matter integrity in Asperger syndrome: a preliminary diffusion tensor magnetic resonance imaging study in adults. *Autism Research*, **2010**, 3, 203-13	5.1	65
43	White matter microstructure in 22q11 deletion syndrome: a pilot diffusion tensor imaging and voxel-based morphometry study of children and adolescents. *Journal of Neurodevelopmental Disorders*, **2010**, 2, 77-92	4.6	37
42	Twenty-five pitfalls in the analysis of diffusion MRI data. *NMR in Biomedicine*, **2010**, 23, 803-20	4.4	585

41	Resting GABA concentration predicts peak gamma frequency and fMRI amplitude in response to visual stimulation in humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8356-61	11.5	440
40	The B-matrix must be rotated when correcting for subject motion in DTI data. *Magnetic Resonance in Medicine*, **2009**, 61, 1336-49	4.4	974
39	Microstructural organization of cerebellar tracts in schizophrenia. *Biological Psychiatry*, **2009**, 66, 1067-9	7.9	42
38	Diffusion tensor MRI of the corpus callosum and cognitive function in adults born preterm. *NeuroReport*, **2009**, 20, 424-8	1.7	64
37	Tractography gone wild: probabilistic fibre tracking using the wild bootstrap with diffusion tensor MRI. *IEEE Transactions on Medical Imaging*, **2008**, 27, 1268-74	11.7	105
36	Studying connections in the living human brain with diffusion MRI. *Cortex*, **2008**, 44, 936-52	3.8	373
35	Standardized structural magnetic resonance imaging in multicentre studies using quantitative T1 and T2 imaging at 1.5 T. *NeuroImage*, **2008**, 40, 662-671	7.9	97
34	Altered cerebellar feedback projections in Asperger syndrome. *NeuroImage*, **2008**, 41, 1184-91	7.9	222
33	Investigating exchange and multicomponent relaxation in fully-balanced steady-state free precession imaging. *Journal of Magnetic Resonance Imaging*, **2008**, 27, 1421-9	5.6	34
32	Gleaning multicomponent T1 and T2 information from steady-state imaging data. *Magnetic Resonance in Medicine*, **2008**, 60, 1372-87	4.4	346
31	Investigating the effect of exchange and multicomponent T(1) relaxation on the short repetition time spoiled steady-state signal and the DESPOT1 T(1) quantification method. *Journal of Magnetic Resonance Imaging*, **2007**, 25, 570-8	5.6	21
30	Acquisition and voxelwise analysis of multi-subject diffusion data with tract-based spatial statistics. *Nature Protocols*, **2007**, 2, 499-503	18.8	472
29	Symmetries in human brain language pathways correlate with verbal recall. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17163-8	11.5	480
28	A longitudinal study of diffusion tensor MRI in ALS. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2007**, 8, 348-55		65
27	A diffusion tensor imaging study of fasciculi in schizophrenia. *American Journal of Psychiatry*, **2007**, 164, 467-73	11.9	208
26	Parsimonious model selection for tissue segmentation and classification applications: a study using simulated and experimental DTI data. *IEEE Transactions on Medical Imaging*, **2007**, 26, 1576-84	11.7	22
25	Tract-specific anisotropy measurements in diffusion tensor imaging. *Psychiatry Research - Neuroimaging*, **2006**, 146, 73-82	2.9	132
24	Age effects on diffusion tensor magnetic resonance imaging tractography measures of frontal cortex connections in schizophrenia. *Human Brain Mapping*, **2006**, 27, 230-8	5.9	201

23	Just how much data need to be collected for reliable bootstrap DT-MRI?. *Magnetic Resonance in Medicine*, **2006**, 56, 884-90	4.4	18
22	The effect of filter size on VBM analyses of DT-MRI data. *NeuroImage*, **2005**, 26, 546-54	7.9	503
21	A Diffusion Tensor Magnetic Resonance Imaging Study of Frontal Cortex Connections in Very-Late-Onset Schizophrenia-Like Psychosis. *American Journal of Geriatric Psychiatry*, **2005**, 13, 1092-1099	6.5	64
20	Perisylvian language networks of the human brain. *Annals of Neurology*, **2005**, 57, 8-16	9.4	1404
19	RESTORE: robust estimation of tensors by outlier rejection. *Magnetic Resonance in Medicine*, **2005**, 53, 1088-95	4.4	476
18	Confidence mapping in diffusion tensor magnetic resonance imaging tractography using a bootstrap approach. *Magnetic Resonance in Medicine*, **2005**, 53, 1143-9	4.4	118
17	PASTA: pointwise assessment of streamline tractography attributes. *Magnetic Resonance in Medicine*, **2005**, 53, 1462-7	4.4	88
16	The effect of gradient sampling schemes on measures derived from diffusion tensor MRI: a Monte Carlo study. *Magnetic Resonance in Medicine*, **2004**, 51, 807-15	4.4	624
15	"Squashing peanuts and smashing pumpkins": how noise distorts diffusion-weighted MR data. *Magnetic Resonance in Medicine*, **2004**, 52, 979-93	4.4	444
14	Determining and visualizing uncertainty in estimates of fiber orientation from diffusion tensor MRI. *Magnetic Resonance in Medicine*, **2003**, 49, 7-12	4.4	296
13	Occipito-temporal connections in the human brain. *Brain*, **2003**, 126, 2093-107	11.2	698
12	Diffusion-tensor MRI: theory, experimental design and data analysis - a technical review. *NMR in Biomedicine*, **2002**, 15, 456-67	4.4	1114
11	Applications of diffusion-weighted and diffusion tensor MRI to white matter diseases - a review. *NMR in Biomedicine*, **2002**, 15, 570-7	4.4	370
10	The future for diffusion tensor imaging in neuropsychiatry. *Journal of Neuropsychiatry and Clinical Neurosciences*, **2002**, 14, 1-5	2.7	24
9	Virtual in vivo interactive dissection of white matter fasciculi in the human brain. *NeuroImage*, **2002**, 17, 77-94	7.9	1288
8	Spatial Normalization and Averaging of Diffusion Tensor MRI Data Sets **2002**, 17, 592-592		29
7	MRI based diffusion and perfusion predictive model to estimate stroke evolution. *Magnetic Resonance Imaging*, **2001**, 19, 1043-53	3.3	43
6	Cluster analysis of diffusion tensor magnetic resonance images in human head injury. *Neurosurgery*, **2000**, 47, 306-13; discussion 313-4	3.2	53

List of Publications

5	Characterization of white matter damage in ischemic leukoaraiosis with diffusion tensor MRI. *Stroke*, **1999**, 30, 393-7	6.7	242
4	Application of diffusion tensor MRI to neurological segmentation. *International Journal of Imaging Systems and Technology*, **1999**, 10, 273-286	2.5	4
3	Non-invasive assessment of axonal fiber connectivity in the human brain via diffusion tensor MRI. *Magnetic Resonance in Medicine*, **1999**, 42, 37-41	4.4	493
2	Fundamentals of diffusion MR imaging44-67		
1	The Impact of Graph Construction Scheme and Community Detection Algorithm on the Repeatability of Community and Hub Identification in Structural Brain Networks		2