

# Timothy Behrens

## List of Publications by Year in descending order

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168  
papers

79,444  
citations

1883

102  
h-index

4978

167  
g-index

186  
all docs

186  
docs citations

186  
times ranked

45799  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoding cognition from spontaneous neural activity. <i>Nature Reviews Neuroscience</i> , 2022, 23, 204-214.	4.9	27
2	Spatiotemporally resolved multivariate pattern analysis for M/EEG. <i>Human Brain Mapping</i> , 2022, 43, 3062-3085.	1.9	6
3	Replay bursts in humans coincide with activation of the default mode and parietal alpha networks. <i>Neuron</i> , 2021, 109, 882-893.e7.	3.8	92
4	Adapting non-invasive human recordings along multiple task-axes shows unfolding of spontaneous and over-trained choice. <i>ELife</i> , 2021, 10, .	2.8	11
5	Experience replay is associated with efficient nonlocal learning. <i>Science</i> , 2021, 372, .	6.0	83
6	Rigorous review and editorial oversight of clinical preprints. <i>ELife</i> , 2021, 10, .	2.8	2
7	Temporally delayed linear modelling (TDLM) measures replay in both animals and humans. <i>ELife</i> , 2021, 10, .	2.8	22
8	Neuronal Computation Underlying Inferential Reasoning in Humans and Mice. <i>Cell</i> , 2020, 183, 228-243.e21.	13.5	87
9	Transferring structural knowledge across cognitive maps in humans and models. <i>Nature Communications</i> , 2020, 11, 4783.	5.8	32
10	The Tolman-Eichenbaum Machine: Unifying Space and Relational Memory through Generalization in the Hippocampal Formation. <i>Cell</i> , 2020, 183, 1249-1263.e23.	13.5	259
11	Combined model-free and model-sensitive reinforcement learning in non-human primates. <i>PLoS Computational Biology</i> , 2020, 16, e1007944.	1.5	17
12	Episodic memory retrieval success is associated with rapid replay of episode content. <i>Nature Neuroscience</i> , 2020, 23, 1025-1033.	7.1	50
13	Reinforcement Learning: Full Glass or "Empty" Depends Who You Ask. <i>Current Biology</i> , 2020, 30, R321-R324.	1.8	0
14	Publishing in the time of COVID-19. <i>ELife</i> , 2020, 9, .	2.8	54
15	Implementing a "publish, then review" model of publishing. <i>ELife</i> , 2020, 9, .	2.8	25
16	Human Replay Spontaneously Reorganizes Experience. <i>Cell</i> , 2019, 178, 640-652.e14.	13.5	287
17	The Hippocampus and Neocortical Inhibitory Engrams Protect against Memory Interference. <i>Neuron</i> , 2019, 101, 528-541.e6.	3.8	62
18	Control of entropy in neural models of environmental state. <i>ELife</i> , 2019, 8, .	2.8	50

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19	A gyral coordinate system predictive of fibre orientations. <i>NeuroImage</i> , 2018, 176, 417-430.	2.1	13
20	Connectivity derived thalamic segmentation in deep brain stimulation for tremor. <i>NeuroImage: Clinical</i> , 2018, 18, 130-142.	1.4	154
21	Functional Segmentation of the Anterior Limb of the Internal Capsule: Linking White Matter Abnormalities to Specific Connections. <i>Journal of Neuroscience</i> , 2018, 38, 2106-2117.	1.7	118
22	Triple dissociation of attention and decision computations across prefrontal cortex. <i>Nature Neuroscience</i> , 2018, 21, 1471-1481.	7.1	149
23	What Is a Cognitive Map? Organizing Knowledge for Flexible Behavior. <i>Neuron</i> , 2018, 100, 490-509.	3.8	580
24	<scp> </scp>-Dopa responsiveness is associated with distinctive connectivity patterns in advanced Parkinson's disease. <i>Movement Disorders</i> , 2017, 32, 874-883.	2.2	37
25	Inhibitory engrams in perception and memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6666-6674.	3.3	107
26	Optimal deep brain stimulation site and target connectivity for chronic cluster headache. <i>Neurology</i> , 2017, 89, 2083-2091.	1.5	55
27	Subthalamic deep brain stimulation sweet spots and hyperdirect cortical connectivity in Parkinson's disease. <i>NeuroImage</i> , 2017, 158, 332-345.	2.1	197
28	Simultaneous representation of a spectrum of dynamically changing value estimates during decision making. <i>Nature Communications</i> , 2017, 8, 1942.	5.8	66
29	Improved tractography using asymmetric fibre orientation distributions. <i>NeuroImage</i> , 2017, 158, 205-218.	2.1	39
30	A map of abstract relational knowledge in the human hippocampalâ€“entorhinal cortex. <i>ELife</i> , 2017, 6, .	2.8	259
31	Individual Differences in Premotor Brain Systems Underlie Behavioral Apathy. <i>Cerebral Cortex</i> , 2016, 26, bhv247.	1.6	97
32	Two Anatomically and Computationally Distinct Learning Signals Predict Changes to Stimulus-Outcome Associations in Hippocampus. <i>Neuron</i> , 2016, 89, 1343-1354.	3.8	97
33	Task-free MRI predicts individual differences in brain activity during task performance. <i>Science</i> , 2016, 352, 216-220.	6.0	648
34	Fusion in diffusion MRI for improved fibre orientation estimation: An application to the 3T and 7T data of the Human Connectome Project. <i>NeuroImage</i> , 2016, 134, 396-409.	2.1	91
35	Value, search, persistence and model updating in anterior cingulate cortex. <i>Nature Neuroscience</i> , 2016, 19, 1280-1285.	7.1	357
36	The Human Connectome Project's neuroimaging approach. <i>Nature Neuroscience</i> , 2016, 19, 1175-1187.	7.1	825

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37	Repetition suppression: a means to index neural representations using BOLD?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150355.	1.8	170
38	Using Diffusion Tractography to Predict Cortical Connection Strength and Distance: A Quantitative Comparison with Tracers in the Monkey. Journal of Neuroscience, 2016, 36, 6758-6770.	1.7	318
39	Organizing conceptual knowledge in humans with a gridlike code. Science, 2016, 352, 1464-1468.	6.0	581
40	Multiple signals in anterior cingulate cortex. Current Opinion in Neurobiology, 2016, 37, 36-43.	2.0	196
41	Unmasking Latent Inhibitory Connections in Human Cortex to Reveal Dormant Cortical Memories. Neuron, 2016, 90, 191-203.	3.8	112
42	Reward-Guided Learning with and without Causal Attribution. Neuron, 2016, 90, 177-190.	3.8	69
43	Impulsivity and predictive control are associated with suboptimal action-selection and action-value learning in regular gamblers. International Gambling Studies, 2015, 15, 489-505.	1.3	13
44	Capturing the temporal evolution of choice across prefrontal cortex. ELife, 2015, 4, .	2.8	70
45	Learning-Induced Plasticity in Medial Prefrontal Cortex Predicts Preference Malleability. Neuron, 2015, 85, 418-428.	3.8	87
46	Reassessing VMPFC: full of confidence?. Nature Neuroscience, 2015, 18, 1064-1066.	7.1	19
47	Heritability of fractional anisotropy in human white matter: A comparison of Human Connectome Project and ENIGMA-DTI data. NeuroImage, 2015, 111, 300-311.	2.1	227
48	Anxious individuals have difficulty learning the causal statistics of aversive environments. Nature Neuroscience, 2015, 18, 590-596.	7.1	294
49	A positive-negative mode of population covariation links brain connectivity, demographics and behavior. Nature Neuroscience, 2015, 18, 1565-1567.	7.1	782
50	Measuring macroscopic brain connections in vivo. Nature Neuroscience, 2015, 18, 1546-1555.	7.1	292
51	Fast transient networks in spontaneous human brain activity. ELife, 2014, 3, e01867.	2.8	467
52	Connectivity-Based Functional Analysis of Dopamine Release in the Striatum Using Diffusion-Weighted MRI and Positron Emission Tomography. Cerebral Cortex, 2014, 24, 1165-1177.	1.6	276
53	Structural and functional brain rewiring clarifies preserved interhemispheric transfer in humans born without the corpus callosum. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7843-7848.	3.3	100
54	The anatomy of choice: dopamine and decision-making. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130481.	1.8	204

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55	Hierarchical competitions subserving multi-attribute choice. <i>Nature Neuroscience</i> , 2014, 17, 1613-1622.	7.1	126
56	Dissociable contributions of ventromedial prefrontal and posterior parietal cortex to value-guided choice. <i>NeuroImage</i> , 2014, 100, 498-506.	2.1	44
57	The Neural Network Underlying Incentive-Based Learning: Implications for Interpreting Circuit Disruptions in Psychiatric Disorders. <i>Neuron</i> , 2014, 83, 1019-1039.	3.8	194
58	Effects of image reconstruction on fiber orientation mapping from multichannel diffusion MRI: Reducing the noise floor using SENSE. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1682-1689.	1.9	169
59	Spatially constrained hierarchical parcellation of the brain with resting-state fMRI. <i>NeuroImage</i> , 2013, 76, 313-324.	2.1	203
60	The CONNECT project: Combining macro- and micro-structure. <i>NeuroImage</i> , 2013, 80, 273-282.	2.1	121
61	Advances in diffusion MRI acquisition and processing in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 125-143.	2.1	851
62	Online evaluation of novel choices by simultaneous representation of multiple memories. <i>Nature Neuroscience</i> , 2013, 16, 1492-1498.	7.1	216
63	The WU-Minn Human Connectome Project: An overview. <i>NeuroImage</i> , 2013, 80, 62-79.	2.1	4,282
64	RubiX: Combining Spatial Resolutions for Bayesian Inference of Crossing Fibers in Diffusion MRI. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 969-982.	5.4	32
65	What is the most interesting part of the brain?. <i>Trends in Cognitive Sciences</i> , 2013, 17, 2-4.	4.0	40
66	The topographic connectome. <i>Current Opinion in Neurobiology</i> , 2013, 23, 207-215.	2.0	99
67	Segregated Encoding of Reward-Identity and Stimulus-Reward Associations in Human Orbitofrontal Cortex. <i>Journal of Neuroscience</i> , 2013, 33, 3202-3211.	1.7	125
68	Human and Monkey Ventral Prefrontal Fibers Use the Same Organizational Principles to Reach Their Targets: Tracing versus Tractography. <i>Journal of Neuroscience</i> , 2013, 33, 3190-3201.	1.7	185
69	Pushing spatial and temporal resolution for functional and diffusion MRI in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 80-104.	2.1	769
70	Long-range connectomics. <i>Annals of the New York Academy of Sciences</i> , 2013, 1305, 83-93.	1.8	35
71	Brain Systems for Probabilistic and Dynamic Prediction: Computational Specificity and Integration. <i>PLoS Biology</i> , 2013, 11, e1001662.	2.6	35
72	Trial-Type Dependent Frames of Reference for Value Comparison. <i>PLoS Computational Biology</i> , 2013, 9, e1003225.	1.5	48

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73	Dissociable effects of surprise and model update in parietal and anterior cingulate cortex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3660-9.	3.3	277
74	Ventromedial Prefrontal and Anterior Cingulate Cortex Adopt Choice and Default Reference Frames during Sequential Multi-Alternative Choice. Journal of Neuroscience, 2013, 33, 2242-2253.	1.7	149
75	Shifts in reinforcement signalling while playing slot-machines as a function of prior experience and impulsivity. Translational Psychiatry, 2013, 3, e213-e213.	2.4	35
76	Accelerating Fibre Orientation Estimation from Diffusion Weighted Magnetic Resonance Imaging Using GPUs. PLoS ONE, 2013, 8, e61892.	1.1	152
77	The anatomy of choice: active inference and agency. Frontiers in Human Neuroscience, 2013, 7, 598.	1.0	236
78	Tools of the trade: psychophysiological interactions and functional connectivity. Social Cognitive and Affective Neuroscience, 2012, 7, 604-609.	1.5	676
79	Specialization: the connections have it. Nature Neuroscience, 2012, 15, 171-172.	7.1	12
80	Modelling fibre fanning in diffusion-weighted MRI. , 2012, , .		0
81	The Human Connectome Project: A data acquisition perspective. NeuroImage, 2012, 62, 2222-2231.	2.1	1,978
82	Mechanisms underlying cortical activity during value-guided choice. Nature Neuroscience, 2012, 15, 470-476.	7.1	394
83	Neural Mechanisms of Foraging. Science, 2012, 336, 95-98.	6.0	527
84	An Agent Independent Axis for Executed and Modeled Choice in Medial Prefrontal Cortex. Neuron, 2012, 75, 1114-1121.	3.8	202
85	Differences between chimpanzees and bonobos in neural systems supporting social cognition. Social Cognitive and Affective Neuroscience, 2012, 7, 369-379.	1.5	119
86	The danger of systematic bias in group-level fMRI-lag-based causality estimation. NeuroImage, 2012, 59, 1228-1229.	2.1	54
87	FSL. NeuroImage, 2012, 62, 782-790.	2.1	8,804
88	Ball and rackets: Inferring fiber fanning from diffusion-weighted MRI. NeuroImage, 2012, 60, 1412-1425.	2.1	142
89	Model-based analysis of multishell diffusion MR data for tractography: How to get over fitting problems. Magnetic Resonance in Medicine, 2012, 68, 1846-1855.	1.9	336
90	A mechanism for value-guided choice based on the excitation-inhibition balance in prefrontal cortex. Nature Neuroscience, 2012, 15, 960-961.	7.1	156

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91	Human connectomics. <i>Current Opinion in Neurobiology</i> , 2012, 22, 144-153.	2.0	220
92	How can a Bayesian approach inform neuroscience?. <i>European Journal of Neuroscience</i> , 2012, 35, 1169-1179.	1.2	66
93	Resting-State fMRI Single Subject Cortical Parcellation Based on Region Growing. <i>Lecture Notes in Computer Science</i> , 2012, 15, 188-195.	1.0	15
94	Double dissociation of value computations in orbitofrontal and anterior cingulate neurons. <i>Nature Neuroscience</i> , 2011, 14, 1581-1589.	7.1	408
95	Diffusion imaging of whole, post-mortem human brains on a clinical MRI scanner. <i>NeuroImage</i> , 2011, 57, 167-181.	2.1	239
96	Network analysis detects changes in the contralesional hemisphere following stroke. <i>NeuroImage</i> , 2011, 54, 161-169.	2.1	204
97	DTI measures in crossing-fibre areas: Increased diffusion anisotropy reveals early white matter alteration in MCI and mild Alzheimer's disease. <i>NeuroImage</i> , 2011, 55, 880-890.	2.1	468
98	Frontal Cortex and Reward-Guided Learning and Decision-Making. <i>Neuron</i> , 2011, 70, 1054-1069.	3.8	921
99	Perceptual Classification in a Rapidly Changing Environment. <i>Neuron</i> , 2011, 71, 725-736.	3.8	70
100	How to Perfect a Chocolate Soufflé and Other Important Problems. <i>Neuron</i> , 2011, 71, 203-205.	3.8	3
101	Dissociable Reward and Timing Signals in Human Midbrain and Ventral Striatum. <i>Neuron</i> , 2011, 72, 654-664.	3.8	70
102	Automated probabilistic reconstruction of white-matter pathways in health and disease using an atlas of the underlying anatomy. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 23.	1.3	488
103	Giving credit where credit is due: orbitofrontal cortex and valuation in an uncertain world. <i>Annals of the New York Academy of Sciences</i> , 2011, 1239, 14-24.	1.8	85
104	Deep and Superficial Amygdala Nuclei Projections Revealed In Vivo by Probabilistic Tractography. <i>Journal of Neuroscience</i> , 2011, 31, 618-623.	1.7	139
105	Diffusion-Weighted Imaging Tractography-Based Parcellation of the Human Parietal Cortex and Comparison with Human and Macaque Resting-State Functional Connectivity. <i>Journal of Neuroscience</i> , 2011, 31, 4087-4100.	1.7	446
106	Counterfactual Choice and Learning in a Neural Network Centered on Human Lateral Frontopolar Cortex. <i>PLoS Biology</i> , 2011, 9, e1001093.	2.6	171
107	Cingulate and orbitofrontal contributions to valuing knowns and unknowns in a changeable world. , 2011, , 235-262.		2
108	Addressing a systematic vibration artifact in diffusion-weighted MRI. <i>Human Brain Mapping</i> , 2010, 31, 193-202.	1.9	85

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109	Separate value comparison and learning mechanisms in macaque medial and lateral orbitofrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20547-20552.	3.3	307
110	Anatomical and Functional Connectivity of Cytoarchitectonic Areas within the Human Parietal Operculum. <i>Journal of Neuroscience</i> , 2010, 30, 6409-6421.	1.7	324
111	Topography of connections between human prefrontal cortex and mediodorsal thalamus studied with diffusion tractography. <i>NeuroImage</i> , 2010, 51, 555-564.	2.1	165
112	Separable Learning Systems in the Macaque Brain and the Role of Orbitofrontal Cortex in Contingent Learning. <i>Neuron</i> , 2010, 65, 927-939.	3.8	344
113	Crossing fibres in tract-based spatial statistics. <i>NeuroImage</i> , 2010, 49, 249-256.	2.1	174
114	Effort-Based Cost-Benefit Valuation and the Human Brain. <i>Journal of Neuroscience</i> , 2009, 29, 4531-4541.	1.7	458
115	Investigation of white matter pathology in ALS and PLS using tract-based spatial statistics. <i>Human Brain Mapping</i> , 2009, 30, 615-624.	1.9	123
116	Training induces changes in white-matter architecture. <i>Nature Neuroscience</i> , 2009, 12, 1370-1371.	7.1	1,278
117	How Green Is the Grass on the Other Side? Frontopolar Cortex and the Evidence in Favor of Alternative Courses of Action. <i>Neuron</i> , 2009, 62, 733-743.	3.8	578
118	A Tractography Analysis of Two Deep Brain Stimulation White Matter Targets for Depression. <i>Biological Psychiatry</i> , 2009, 65, 276-282.	0.7	203
119	Multiple-subjects connectivity-based parcellation using hierarchical Dirichlet process mixture models. <i>NeuroImage</i> , 2009, 44, 373-384.	2.1	85
120	High resolution diffusion-weighted imaging in fixed human brain using diffusion-weighted steady state free precession. <i>NeuroImage</i> , 2009, 46, 775-785.	2.1	166
121	In vivo evidence for the selective subcortical degeneration in Huntington's disease. <i>NeuroImage</i> , 2009, 46, 958-966.	2.1	185
122	Bayesian analysis of neuroimaging data in FSL. <i>NeuroImage</i> , 2009, 45, S173-S186.	2.1	2,074
123	The Computation of Social Behavior. <i>Science</i> , 2009, 324, 1160-1164.	6.0	391
124	Associative learning of social value. <i>Nature</i> , 2008, 456, 245-249.	13.7	825
125	Choice, uncertainty and value in prefrontal and cingulate cortex. <i>Nature Neuroscience</i> , 2008, 11, 389-397.	7.1	727
126	The evolution of the arcuate fasciculus revealed with comparative DTI. <i>Nature Neuroscience</i> , 2008, 11, 426-428.	7.1	773



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127	Frontal Cortex Subregions Play Distinct Roles in Choices between Actions and Stimuli. <i>Journal of Neuroscience</i> , 2008, 28, 13775-13785.	1.7	299
128	Evidence for a vascular contribution to diffusion FMRI at high $b$ value. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20967-20972.	3.3	81
129	Contrasting roles for cingulate and orbitofrontal cortex in decisions and social behaviour. <i>Trends in Cognitive Sciences</i> , 2007, 11, 168-176.	4.0	456
130	Connectivity of an effective hypothalamic surgical target for cluster headache. <i>Journal of Clinical Neuroscience</i> , 2007, 14, 955-960.	0.8	77
131	Connectivity-based parcellation of human cortex using diffusion MRI: Establishing reproducibility, validity and observer independence in BA 44/45 and SMA/pre-SMA. <i>NeuroImage</i> , 2007, 34, 204-211.	2.1	182
132	Probabilistic diffusion tractography with multiple fibre orientations: What can we gain?. <i>NeuroImage</i> , 2007, 34, 144-155.	2.1	3,129
133	Discordant white matter N-acetylaspartate and diffusion MRI measures suggest that chronic metabolic dysfunction contributes to axonal pathology in multiple sclerosis. <i>NeuroImage</i> , 2007, 36, 19-27.	2.1	93
134	Adaptive decision making and value in the anterior cingulate cortex. <i>NeuroImage</i> , 2007, 36, T142-T154.	2.1	139
135	Integrity of white matter in the corpus callosum correlates with bimanual co-ordination skills. <i>NeuroImage</i> , 2007, 36, T16-T21.	2.1	218
136	A Bayesian framework for global tractography. <i>NeuroImage</i> , 2007, 37, 116-129.	2.1	243
137	Diffusion-Weighted Imaging Tractography-Based Parcellation of the Human Lateral Premotor Cortex Identifies Dorsal and Ventral Subregions with Anatomical and Functional Specializations. <i>Journal of Neuroscience</i> , 2007, 27, 10259-10269.	1.7	303
138	Anatomically related grey and white matter abnormalities in adolescent-onset schizophrenia. <i>Brain</i> , 2007, 130, 2375-2386.	3.7	718
139	Triangulating a Cognitive Control Network Using Diffusion-Weighted Magnetic Resonance Imaging (MRI) and Functional MRI. <i>Journal of Neuroscience</i> , 2007, 27, 3743-3752.	1.7	869
140	Learning the value of information in an uncertain world. <i>Nature Neuroscience</i> , 2007, 10, 1214-1221.	7.1	1,650
141	Acquisition and voxelwise analysis of multi-subject diffusion data with Tract-Based Spatial Statistics. <i>Nature Protocols</i> , 2007, 2, 499-503.	5.5	526
142	Functional organization of the medial frontal cortex. <i>Current Opinion in Neurobiology</i> , 2007, 17, 220-227.	2.0	368
143	Variational bayes inference of spatial mixture models for segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2006, 25, 1380-1391.	5.4	74
144	A consistent relationship between local white matter architecture and functional specialisation in medial frontal cortex. <i>NeuroImage</i> , 2006, 30, 220-227.	2.1	53

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145	Reliable identification of the auditory thalamus using multi-modal structural analyses. <i>NeuroImage</i> , 2006, 30, 1112-1120.	2.1	89
146	Tract-based spatial statistics: Voxelwise analysis of multi-subject diffusion data. <i>NeuroImage</i> , 2006, 31, 1487-1505.	2.1	5,755
147	Between session reproducibility and between subject variability of diffusion MR and tractography measures. <i>NeuroImage</i> , 2006, 33, 867-877.	2.1	245
148	Determining anatomical connectivities between cortical and brainstem pain processing regions in humans: A diffusion tensor imaging study in healthy controls. <i>Pain</i> , 2006, 123, 169-178.	2.0	182
149	Optimal decision making and the anterior cingulate cortex. <i>Nature Neuroscience</i> , 2006, 9, 940-947.	7.1	802
150	Lesion probability maps of white matter hyperintensities in elderly individuals. <i>Journal of Neurology</i> , 2006, 253, 1064-1070.	1.8	64
151	Applying FSL to the FIAC data: Model-based and model-free analysis of voice and sentence repetition priming. <i>Human Brain Mapping</i> , 2006, 27, 380-391.	1.9	69
152	Probabilistic diffusion tractography: a potential tool to assess the rate of disease progression in amyotrophic lateral sclerosis. <i>Brain</i> , 2006, 129, 1859-1871.	3.7	177
153	Distinct right frontal lobe activation in language processing following left hemisphere injury. <i>Brain</i> , 2006, 129, 754-766.	3.7	109
154	Just pretty pictures? What diffusion tractography can add in clinical neuroscience. <i>Current Opinion in Neurology</i> , 2006, 19, 379-385.	1.8	209
155	The Evolution of Prefrontal Inputs to the Cortico-pontine System: Diffusion Imaging Evidence from Macaque Monkeys and Humans. <i>Cerebral Cortex</i> , 2006, 16, 811-818.	1.6	258
156	Self-navigated multishot echo-planar pulse sequence for high-resolution diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1474-1478.	1.9	37
157	Functionalâ€“Anatomical Validation and Individual Variation of Diffusion Tractography-based Segmentation of the Human Thalamus. <i>Cerebral Cortex</i> , 2005, 15, 31-39.	1.6	514
158	Connectivity of the human periventricularâ€“periaqueductal gray region. <i>Journal of Neurosurgery</i> , 2005, 103, 1030-1034.	0.9	70
159	Quantitative Investigation of Connections of the Prefrontal Cortex in the Human and Macaque using Probabilistic Diffusion Tractography. <i>Journal of Neuroscience</i> , 2005, 25, 8854-8866.	1.7	371
160	Mixture models with adaptive spatial regularization for segmentation with an application to FMRI data. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 1-11.	5.4	126
161	Changes in connectivity profiles define functionally distinct regions in human medial frontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13335-13340.	3.3	632
162	Response-Selection-Related Parietal Activation during Number Comparison. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 1536-1551.	1.1	216

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163	New approaches for exploring anatomical and functional connectivity in the human brain. <i>Biological Psychiatry</i> , 2004, 56, 613-619.	0.7	206
164	Multilevel linear modelling for fMRI group analysis using Bayesian inference. <i>NeuroImage</i> , 2004, 21, 1732-1747.	2.1	1,476
165	Constrained linear basis sets for HRF modelling using Variational Bayes. <i>NeuroImage</i> , 2004, 21, 1748-1761.	2.1	237
166	Advances in functional and structural MR image analysis and implementation as FSL. <i>NeuroImage</i> , 2004, 23, S208-S219.	2.1	11,375
167	Non-invasive mapping of connections between human thalamus and cortex using diffusion imaging. <i>Nature Neuroscience</i> , 2003, 6, 750-757.	7.1	2,131
168	Functional Asymmetry for Auditory Processing in Human Primary Auditory Cortex. <i>Journal of Neuroscience</i> , 2003, 23, 11516-11522.	1.7	110