Heidi Johansen-Berg

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4375636/publications.pdf

Version: 2024-02-01

223 papers	51,017 citations	91 h-index	209 g-index
247 all docs	247 docs citations	247 times ranked	40184 citing authors

#	Article	IF	Citations
1	Hippocampal maintenance after a 12-month physical activity intervention in older adults: The REACT MRI study. NeuroImage: Clinical, 2022, 35, 102762.	1.4	5
2	White Matter. , 2022, , 163-177.		0
3	The importance of prototype similarity for physical activity: Crossâ€sectional and longitudinal associations in a large sample of young adolescents. British Journal of Health Psychology, 2022, , .	1.9	1
4	Effect of a physical activity and behaviour maintenance programme on functional mobility decline in older adults: the REACT (Retirement in Action) randomised controlled trial. Lancet Public Health, The, 2022, 7, e316-e326.	4.7	26
5	Cost-effectiveness of a physical activity and behaviour maintenance programme on functional mobility decline in older adults: an economic evaluation of the REACT (Retirement in Action) trial. Lancet Public Health, The, 2022, 7, e327-e334.	4.7	10
6	Editorial: Clinical Neurofeedback. NeuroImage: Clinical, 2022, 35, 102905.	1.4	0
7	Hebbian activity-dependent plasticity in white matter. Cell Reports, 2022, 39, 110951.	2.9	10
8	Multimodal Imaging Brain Markers in Early Adolescence Are Linked with a Physically Active Lifestyle. Journal of Neuroscience, 2021, 41, 1092-1104.	1.7	8
9	The effect of a one-year vigorous physical activity intervention on fitness, cognitive performance and mental health in young adolescents: the Fit to Study cluster randomised controlled trial. International Journal of Behavioral Nutrition and Physical Activity, 2021, 18, 47.	2.0	23
10	Exploring activity levels in physical education lessons in the UK: a cross-sectional examination of activity types and fitness levels. BMJ Open Sport and Exercise Medicine, 2021, 7, e000924.	1.4	6
11	Dual-task walking and automaticity after Stroke: Insights from a secondary analysis and imaging sub-study of a randomised controlled trial. Clinical Rehabilitation, 2021, 35, 026921552110173.	1.0	10
12	Self-Reported and Objective Sleep Measures in Stroke Survivors With Incomplete Motor Recovery at the Chronic Stage. Neurorehabilitation and Neural Repair, 2021, 35, 851-860.	1.4	12
13	Exploring the public health potential of RED January, a social media campaign supporting physical activity in the community for mental health: A qualitative study. Mental Health and Physical Activity, 2021, 21, 100429.	0.9	2
14	fMRI neurofeedback in the motor system elicits bidirectional changes in activity and in white matter structure in the adult human brain. Cell Reports, 2021, 37, 109890.	2.9	10
15	Reassessing associations between white matter and behaviour with multimodal microstructural imaging. Cortex, 2021, 145, 187-200.	1.1	10
16	Ageâ€related decline in cortical inhibitory tone strengthens motor memory. NeuroImage, 2021, 245, 118681.	2.1	5
17	Frequency modulation of entorhinal cortex neuronal activity drives distinct frequency-dependent states of brain-wide dynamics. Cell Reports, 2021, 37, 109954.	2.9	10
18	Are People Ready for Personalized Brain Health? Perspectives of Research Participants in the Lifebrain Consortium. Gerontologist, The, 2020, 60, 1050-1059.	2.3	11

#	Article	IF	Citations
19	Alcohol consumption is associated with reduced creatine levels in the hippocampus of older adults. Psychiatry Research - Neuroimaging, 2020, 295, 111019.	0.9	4
20	Associations between fitness, physical activity and mental health in a community sample of young British adolescents: baseline data from the Fit to Study trial. BMJ Open Sport and Exercise Medicine, 2020, 6, e000819.	1.4	20
21	Fit to Study: Reflections on designing and implementing a large-scale randomized controlled trial in secondary schools. Trends in Neuroscience and Education, 2020, 20, 100134.	1.5	6
22	Effects of gender, activity type, class location and class composition on physical activity levels experienced during physical education classes in British secondary schools: a pilot cross-sectional study. BMC Public Health, 2020, 20, 1590.	1.2	4
23	A critical evaluation of systematic reviews assessing the effect of chronic physical activity on academic achievement, cognition and the brain in children and adolescents: a systematic review. International Journal of Behavioral Nutrition and Physical Activity, 2020, 17, 79.	2.0	44
24	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. Physiology and Behavior, 2020, 223, 112923.	1.0	18
25	Sleep Disruption After Brain Injury Is Associated With Worse Motor Outcomes and Slower Functional Recovery. Neurorehabilitation and Neural Repair, 2020, 34, 661-671.	1.4	35
26	Perceptions of active and inactive prototypes are associated with objective measures of physical activity in adolescents. Psychology, Health and Medicine, 2020, 25, 1216-1227.	1.3	3
27	White matter structure and myelin-related gene expression alterations with experience in adult rats. Progress in Neurobiology, 2020, 187, 101770.	2.8	30
28	Relating diffusion tensor imaging measurements to microstructural quantities in the cerebral cortex in multiple sclerosis. Human Brain Mapping, 2019, 40, 4417-4431.	1.9	21
29	Structural Variability in the Human Brain Reflects Fine-Grained Functional Architecture at the Population Level. Journal of Neuroscience, 2019, 39, 6136-6149.	1.7	29
30	Magnetic Resonance Techniques for Imaging White Matter. Methods in Molecular Biology, 2019, 1936, 397-407.	0.4	2
31	Effects of a programme of vigorous physical activity during secondary school physical education on academic performance, fitness, cognition, mental health and the brain of adolescents (Fit to Study): study protocol for a cluster-randomised trial. Trials, 2019, 20, 189.	0.7	37
32	Neural basis of induced phantom limb pain relief. Annals of Neurology, 2019, 85, 59-73.	2.8	54
33	The role of diffusion MRI in neuroscience. NMR in Biomedicine, 2019, 32, e3762.	1.6	107
34	Structural Plasticity in Adulthood with Motor Learning and Stroke Rehabilitation. Annual Review of Neuroscience, 2018, 41, 25-40.	5.0	85
35	Artificial limb representation in amputees. Brain, 2018, 141, 1422-1433.	3.7	53
36	Increasing Lateralized Motor Activity in Younger and Older Adults using Real-time fMRI during Executed Movements. Neuroscience, 2018, 378, 165-174.	1.1	15

#	Article	IF	Citations
37	Advances in noninvasive myelin imaging. Developmental Neurobiology, 2018, 78, 136-151.	1.5	107
38	Transcranial direct current stimulation for promoting motor function in cerebral palsy: a review. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 121.	2.4	18
39	Development of white matter microstructure in relation to verbal and visuospatial working memoryâ€"A longitudinal study. PLoS ONE, 2018, 13, e0195540.	1.1	48
40	Cognition and mobility show a global association in middle- and late-adulthood: Analyses from the Canadian Longitudinal Study on Aging. Gait and Posture, 2018, 64, 238-243.	0.6	38
41	Modulating Regional Motor Cortical Excitability with Noninvasive Brain Stimulation Results in Neurochemical Changes in Bilateral Motor Cortices. Journal of Neuroscience, 2018, 38, 7327-7336.	1.7	55
42	A community-based physical activity intervention to prevent mobility-related disability for retired older people (REtirement in ACTion (REACT)): study protocol for a randomised controlled trial. Trials, 2018, 19, 228.	0.7	26
43	Reaffirming the link between chronic phantom limb pain and maintained missing hand representation. Cortex, 2018, 106, 174-184.	1.1	66
44	Functional strength training versus movement performance therapy for upper limb motor recovery early after stroke: a RCT. Efficacy and Mechanism Evaluation, 2018, 5, 1-112.	0.9	12
45	Flexibility of categorical body representation following limb-loss and prosthesis usage in the occipitotemporal cortex. Journal of Vision, 2018, 18, 431.	0.1	0
46	Studying neuroanatomy using MRI. Nature Neuroscience, 2017, 20, 314-326.	7.1	220
47	Representation of Multiple Body Parts in the Missing-Hand Territory of Congenital One-Handers. Current Biology, 2017, 27, 1350-1355.	1.8	71
48	Peri-hand space representation in the absence of a hand â€“ Evidence from congenital one-handers. Cortex, 2017, 95, 169-171.	1.1	5
49	Myelin plasticity and behaviour â€" connecting the dots. Current Opinion in Neurobiology, 2017, 47, 86-92.	2.0	78
50	Enhancing the alignment of the preclinical and clinical stroke recovery research pipeline: Consensus-based core recommendations from the Stroke Recovery and Rehabilitation Roundtable translational working group. International Journal of Stroke, 2017, 12, 462-471.	2.9	82
51	Associations between selfâ€reported sleep quality and white matter in communityâ€dwelling older adults: A prospective cohort study. Human Brain Mapping, 2017, 38, 5465-5473.	1.9	87
52	Motor correlates of phantom limb pain. Cortex, 2017, 95, 29-36.	1.1	36
53	Enhancing the Alignment of the Preclinical and Clinical Stroke Recovery Research Pipeline: Consensus-Based Core Recommendations From the Stroke Recovery and Rehabilitation Roundtable Translational Working Group. Neurorehabilitation and Neural Repair, 2017, 31, 699-707.	1.4	64
54	White Matter Plasticity in the Adult Brain. Neuron, 2017, 96, 1239-1251.	3.8	280

#	Article	IF	Citations
55	Associations between Mobility, Cognition, and Brain Structure in Healthy Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 155.	1.7	44
56	Induced sensorimotor cortex plasticity remediates chronic treatment-resistant visual neglect. ELife, 2017, 6, .	2.8	52
57	Functional Strength Training and Movement Performance Therapy for Upper Limb Recovery Early Poststrokeâ€"Efficacy, Neural Correlates, Predictive Markers, and Cost-Effectiveness: FAST-INdiCATE Trial. Frontiers in Neurology, 2017, 8, 733.	1.1	15
58	Investigating the Stability of Fine-Grain Digit Somatotopy in Individual Human Participants. Journal of Neuroscience, 2016, 36, 1113-1127.	1.7	102
59	Transfer of tactile perceptual learning to untrained neighboring fingers reflects natural use relationships. Journal of Neurophysiology, 2016, 115, 1088-1097.	0.9	28
60	Neuroplasticity: Effects of Physical and Cognitive activity on brain structure and function. NeuroImage, 2016, 131, 1-3.	2.1	16
61	White matter integrity as a marker for cognitive plasticity in aging. Neurobiology of Aging, 2016, 47, 74-82.	1.5	56
62	Grey matter abnormalities in methcathinone abusers with a Parkinsonian syndrome. Brain and Behavior, 2016, 6, e00539.	1.0	9
63	A systematic review and meta-analysis of cross-sectional studies examining the relationship between mobility and cognition in healthy older adults. Gait and Posture, 2016, 50, 164-174.	0.6	131
64	Ipsilesional anodal tDCS enhances the functional benefits of rehabilitation in patients after stroke. Science Translational Medicine, 2016, 8, 330re1.	5.8	178
65	The NMDA receptor partial agonist d-cycloserine does not enhance motor learning. Journal of Psychopharmacology, 2016, 30, 994-999.	2.0	12
66	Multi-modal characterization of rapid anterior hippocampal volume increase associated with aerobic exercise. NeuroImage, 2016, 131, 162-170.	2.1	119
67	Prefrontal Cortex Activation While Walking Under Dual-Task Conditions in Stroke. Neurorehabilitation and Neural Repair, 2016, 30, 591-599.	1.4	100
68	A systematic review of MRI studies examining the relationship between physical fitness and activity and the white matter of the ageing brain. NeuroImage, 2016, 131, 81-90.	2.1	203
69	Changes in white matter microstructure in the developing brainâ€"A longitudinal diffusion tensor imaging study of children from 4 to 11 years of age. NeuroImage, 2016, 124, 473-486.	2.1	160
70	Revealing the neural fingerprints of a missing hand. ELife, 2016, 5, .	2.8	107
71	Perceptually relevant remapping of human somatotopy in 24 hours. ELife, 2016, 5, .	2.8	40
72	Sleep and Motor Learning: Implications for Physical Rehabilitation After Stroke. Frontiers in Neurology, 2015, 6, 241.	1.1	29

#	Article	IF	Citations
73	An Ultra-High Field Magnetic Resonance Spectroscopy Study of Post Exercise Lactate, Glutamate and Glutamine Change in the Human Brain. Frontiers in Physiology, 2015, 6, 351.	1.3	35
74	Sleep-dependent motor memory consolidation in older adults depends on task demands. Neurobiology of Aging, 2015, 36, 1409-1416.	1.5	42
75	GABA Levels Are Decreased After Stroke and GABA Changes During Rehabilitation Correlate With Motor Improvement. Neurorehabilitation and Neural Repair, 2015, 29, 278-286.	1.4	110
76	Reassessing cortical reorganization in the primary sensorimotor cortex following arm amputation. Brain, 2015, 138, 2140-2146.	3.7	153
77	Network-level reorganisation of functional connectivity following arm amputation. NeuroImage, 2015, 114, 217-225.	2.1	91
78	The Homeostatic Interaction Between Anodal Transcranial Direct Current Stimulation and Motor Learning in Humans is Related to GABAA Activity. Brain Stimulation, 2015, 8, 898-905.	0.7	70
79	Changes in functional connectivity and GABA levels with long-term motor learning. NeuroImage, 2015, 106, 15-20.	2.1	95
80	Activity in hand- and tool-selective regions for prosthetic limbs in amputees is associated with prosthesis usage in everyday life. Journal of Vision, 2015, 15, 983.	0.1	1
81	Imaging Surrogates of Disease Activity in Neuromyelitis Optica Allow Distinction from Multiple Sclerosis. PLoS ONE, 2015, 10, e0137715.	1.1	47
82	Normalisation of brain connectivity through compensatory behaviour, despite congenital hand absence. ELife, 2015, 4, .	2.8	41
83	Modulation of GABA and resting state functional connectivity by transcranial direct current stimulation. ELife, 2015, 4, e08789.	2.8	184
84	Individual Differences in White Matter Microstructure in the Healthy Brain. , 2014, , 301-316.		19
85	A common brain network links development, aging, and vulnerability to disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17648-17653.	3.3	268
86	Connectivity Fingerprinting of Gray Matter. , 2014, , 481-509.		1
87	FAST INdiCATE Trial Protocol. Clinical Efficacy of Functional Strength Training for Upper Limb Motor Recovery Early after Stroke: Neural Correlates and Prognostic Indicators. International Journal of Stroke, 2014, 9, 240-245.	2.9	5
88	Accelerated Changes in White Matter Microstructure during Aging: A Longitudinal Diffusion Tensor Imaging Study. Journal of Neuroscience, 2014, 34, 15425-15436.	1.7	239
89	Glial Biology in Learning and Cognition. Neuroscientist, 2014, 20, 426-431.	2.6	165
90	Poor sleep quality is associated with increased cortical atrophy in community-dwelling adults. Neurology, 2014, 83, 967-973.	1.5	176

#	Article	IF	Citations
91	Neuroplasticity in Constraint-Induced Movement Therapy. Biosystems and Biorobotics, 2014, , 23-24.	0.2	0
92	Predicting behavioural response to TDCS in chronic motor stroke. NeuroImage, 2014, 85, 924-933.	2.1	150
93	Aging associated changes in the motor control of ankle movements in the brain. Neurobiology of Aging, 2014, 35, 2222-2229.	1.5	9
94	Polarity-specific effects of motor transcranial direct current stimulation on fMRI resting state networks. NeuroImage, 2014, 88, 155-161.	2.1	92
95	Gray matter volume is associated with rate of subsequent skill learning after a long term training intervention. NeuroImage, 2014, 96, 158-166.	2.1	78
96	Local GABA concentration is related to network-level resting functional connectivity. ELife, 2014, 3, e01465.	2.8	157
97	Function in the human connectome: Task-fMRI and individual differences in behavior. NeuroImage, 2013, 80, 169-189.	2.1	1,259
98	Human connectomics â€" What will the future demand?. NeuroImage, 2013, 80, 541-544.	2.1	50
99	Phantom pain is associated with preserved structure and function in the former hand area. Nature Communications, 2013, 4, 1570.	5.8	291
100	Distinction of seropositive NMO spectrum disorder and MS brain lesion distribution. Neurology, 2013, 80, 1330-1337.	1.5	189
101	Myelin imaging in amyotrophic and primary lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2013, 14, 562-573.	1.1	59
102	Motor Skill Learning Induces Changes in White Matter Microstructure and Myelination. Journal of Neuroscience, 2013, 33, 19499-19503.	1.7	369
103	(Non)sensory reorganisation following arm amputation. Multisensory Research, 2013, 26, 93.	0.6	0
104	Studying the Effects of Transcranial Direct-Current Stimulation in Stroke Recovery Using Magnetic Resonance Imaging. Frontiers in Human Neuroscience, 2013, 7, 857.	1.0	46
105	Deprivation-related and use-dependent plasticity go hand in hand. ELife, 2013, 2, e01273.	2.8	93
106	Tools of the trade: psychophysiological interactions and functional connectivity. Social Cognitive and Affective Neuroscience, 2012, 7, 604-609.	1.5	676
107	Visualization of Altered Neurovascular Coupling in Chronic Stroke Patients using Multimodal Functional MRI. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 2044-2054.	2.4	64
108	The Effects of Aerobic Activity on Brain Structure. Frontiers in Psychology, 2012, 3, 86.	1.1	208

#	Article	IF	Citations
109	Relating Brain Damage to Brain Plasticity in Patients With Multiple Sclerosis. Neurorehabilitation and Neural Repair, 2012, 26, 581-593.	1.4	61
110	A combined post-mortem magnetic resonance imaging and quantitative histological study of multiple sclerosis pathology. Brain, 2012, 135, 2938-2951.	3.7	131
111	Cortical activation changes underlying stimulation-induced behavioural gains in chronic stroke. Brain, 2012, 135, 276-284.	3.7	156
112	Can maladaptive cortical plasticity form new sensory experiences? Revisiting phantom pain. Seeing and Perceiving, 2012, 25, 134.	0.4	0
113	Human Structural Plasticity at Record Speed. Neuron, 2012, 73, 1058-1060.	3.8	75
114	Relationships between functional and structural corticospinal tract integrity and walking post stroke. Clinical Neurophysiology, 2012, 123, 2422-2428.	0.7	69
115	The future of functionally-related structural change assessment. NeuroImage, 2012, 62, 1293-1298.	2.1	38
116	Diffusion MRI at 25: Exploring brain tissue structure and function. NeuroImage, 2012, 61, 324-341.	2.1	405
117	Myelin water imaging reflects clinical variability in multiple sclerosis. NeuroImage, 2012, 60, 263-270.	2.1	110
118	Neuroplasticity and functional recovery in multiple sclerosis. Nature Reviews Neurology, 2012, 8, 635-646.	4.9	128
119	Structural correlates of skilled performance on a motor sequence task. Frontiers in Human Neuroscience, 2012, 6, 289.	1.0	55
120	The effect of hypointense white matter lesions on automated gray matter segmentation in multiple sclerosis. Human Brain Mapping, 2012, 33, 2802-2814.	1.9	116
121	Plasticity in gray and white: neuroimaging changes in brain structure during learning. Nature Neuroscience, 2012, 15, 528-536.	7.1	1,358
122	Differences in integrity of white matter and changes with training in spelling impaired children: a diffusion tensor imaging study. Brain Structure and Function, 2012, 217, 747-760.	1.2	43
123	Diffusion imaging of whole, post-mortem human brains on a clinical MRI scanner. NeuroImage, 2011, 57, 167-181.	2.1	239
124	Network analysis detects changes in the contralesional hemisphere following stroke. NeuroImage, 2011, 54, 161-169.	2.1	204
125	Relationship between physiological measures of excitability and levels of glutamate and GABA in the human motor cortex. Journal of Physiology, 2011, 589, 5845-5855.	1.3	324
126	Polarity and timing-dependent effects of transcranial direct current stimulation in explicit motor learning. Neuropsychologia, 2011, 49, 800-804.	0.7	378

#	Article	IF	Citations
127	The Role of GABA in Human Motor Learning. Current Biology, 2011, 21, 480-484.	1.8	496
128	Structural and functional bases for individual differences in motor learning. Human Brain Mapping, 2011, 32, 494-508.	1.9	136
129	Tractography: Where Do We Go from Here?. Brain Connectivity, 2011, 1, 169-183.	0.8	542
130	Preservation of motor skill learning in patients with multiple sclerosis. Multiple Sclerosis Journal, 2011, 17, 103-115.	1.4	69
131	Cognitive Context Determines Dorsal Premotor Cortical Activity During Hand Movement in Patients After Stroke. Stroke, 2011, 42, 1056-1061.	1.0	24
132	Ventral Premotor Cortex May Be Required for Dynamic Changes in the Feeling of Limb Ownership: A Lesion Study. Journal of Neuroscience, 2011, 31, 4852-4857.	1.7	102
133	What are we measuring with GABA Magnetic Resonance Spectroscopy?. Communicative and Integrative Biology, 2011, 4, 573-575.	0.6	136
134	Diffusion-Weighted Imaging Tractography-Based Parcellation of the Human Parietal Cortex and Comparison with Human and Macaque Resting-State Functional Connectivity. Journal of Neuroscience, 2011, 31, 4087-4100.	1.7	446
135	Motor Practice Promotes Increased Activity in Brain Regions Structurally Disconnected After Subcortical Stroke. Neurorehabilitation and Neural Repair, 2011, 25, 607-616.	1.4	52
136	What are we measuring with GABA magnetic resonance spectroscopy?. Communicative and Integrative Biology, 2011, 4, 573-5.	0.6	82
137	Relevance of Structural Brain Connectivity to Learning and Recovery from Stroke. Frontiers in Systems Neuroscience, 2010, 4, 146.	1.2	43
138	Behavioural relevance of variation in white matter microstructure. Current Opinion in Neurology, 2010, 23, 351-358.	1.8	152
139	Relationships of brain white matter microstructure with clinical and MR measures in relapsingâ€remitting multiple sclerosis. Journal of Magnetic Resonance Imaging, 2010, 31, 309-316.	1.9	73
140	Autoantibodies to glutamic acid decarboxylase in patients with epilepsy are associated with low cortical GABA levels. Epilepsia, 2010, 51, 1898-1901.	2.6	43
141	Distinct and Overlapping Functional Zones in the Cerebellum Defined by Resting State Functional Connectivity. Cerebral Cortex, 2010, 20, 953-965.	1.6	647
142	Imaging the effects of rTMS-induced cortical plasticity. Restorative Neurology and Neuroscience, 2010, 28, 425-436.	0.4	20
143	White matter abnormalities in methcathinone abusers with an extrapyramidal syndrome. Brain, 2010, 133, 3676-3684.	3.7	42
144	Topography of connections between human prefrontal cortex and mediodorsal thalamus studied with diffusion tractography. NeuroImage, 2010, 51, 555-564.	2.1	165

#	Article	IF	Citations
145	Age-related changes in grey and white matter structure throughout adulthood. NeuroImage, 2010, 51, 943-951.	2.1	428
146	Longitudinal changes in grey and white matter during adolescence. NeuroImage, 2010, 49, 94-103.	2.1	352
147	Probabilistic tractography of the optic radiationsâ€"An automated method and anatomical validation. NeuroImage, 2010, 49, 2001-2012.	2.1	32
148	Fornix Microstructure Correlates with Recollection But Not Familiarity Memory. Journal of Neuroscience, 2009, 29, 14987-14992.	1.7	109
149	Brain Activity Changes Associated With Treadmill Training After Stroke. Stroke, 2009, 40, 2460-2467.	1.0	138
150	Consensus paper: Combining transcranial stimulation with neuroimaging. Brain Stimulation, 2009, 2, 58-80.	0.7	299
151	Investigation of white matter pathology in ALS and PLS using tractâ€based spatial statistics. Human Brain Mapping, 2009, 30, 615-624.	1.9	123
152	The rate of visuomotor adaptation correlates with cerebellar whiteâ€matter microstructure. Human Brain Mapping, 2009, 30, 4048-4053.	1.9	66
153	Imaging the relationship between structure, function and behaviour in the human brain. Brain Structure and Function, 2009, 213, 499-500.	1.2	8
154	Training induces changes in white-matter architecture. Nature Neuroscience, 2009, 12, 1370-1371.	7.1	1,278
155	Modulation of movementâ€associated cortical activation by transcranial direct current stimulation. European Journal of Neuroscience, 2009, 30, 1412-1423.	1.2	156
156	Polarity-Sensitive Modulation of Cortical Neurotransmitters by Transcranial Stimulation. Journal of Neuroscience, 2009, 29, 5202-5206.	1.7	771
157	A Tractography Analysis of Two Deep Brain Stimulation White Matter Targets for Depression. Biological Psychiatry, 2009, 65, 276-282.	0.7	203
158	Individual Differences in White Matter Microstructure in the Healthy Brain. , 2009, , 237-249.		9
159	Connectivity Fingerprinting of Gray Matter. , 2009, , 377-402.		2
160	Short-term adaptation to a simple motor task: A physiological process preserved in multiple sclerosis. NeuroImage, 2009, 45, 500-511.	2.1	38
161	White matter integrity in the vicinity of Broca's area predicts grammar learning success. NeuroImage, 2009, 47, 1974-1981.	2.1	114
162	Connectivity-Based Parcellation of Human Cingulate Cortex and Its Relation to Functional Specialization. Journal of Neuroscience, 2009, 29, 1175-1190.	1.7	734

#	Article	IF	Citations
163	Using Diffusion Imaging to Study Human Connectional Anatomy. Annual Review of Neuroscience, 2009, 32, 75-94.	5.0	289
164	Neurochemical Effects of Theta Burst Stimulation as Assessed by Magnetic Resonance Spectroscopy. Journal of Neurophysiology, 2009, 101, 2872-2877.	0.9	250
165	Integration of Measures of Functional and Structural MRI. Neuromethods, 2009, , 785-809.	0.2	0
166	Walking performance and its recovery in chronic stroke in relation to extent of lesion overlap with the descending motor tract. Experimental Brain Research, 2008, 186, 325-333.	0.7	70
167	Impairment of movement-associated brain deactivation in multiple sclerosis: further evidence for a functional pathology of interhemispheric neuronal inhibition. Experimental Brain Research, 2008, 187, 25-31.	0.7	52
168	Mutations in BMP4 Cause Eye, Brain, and Digit Developmental Anomalies: Overlap between the BMP4 and Hedgehog Signaling Pathways. American Journal of Human Genetics, 2008, 82, 304-319.	2.6	221
169	Relating functional changes during hand movement to clinical parameters in patients with multiple sclerosis in a multiâ€centre fMRI study. European Journal of Neurology, 2008, 15, 113-122.	1.7	75
170	Diffusion-based tractography in neurological disorders: concepts, applications, and future developments. Lancet Neurology, The, 2008, 7, 715-727.	4.9	360
171	Changes in white matter microstructure during adolescence. NeuroImage, 2008, 39, 52-61.	2.1	262
172	Model-free characterization of brain functional networks for motor sequence learning using fMRI. NeuroImage, 2008, 39, 1950-1958.	2.1	94
173	Reproducibility of fMRI in the clinical setting: Implications for trial designs. NeuroImage, 2008, 42, 603-610.	2.1	49
174	Imaging white matter diffusion changes with development and recovery from brain injury. Developmental Neurorehabilitation, 2008, 11, 174-186.	0.5	16
175	Functional MRI Correlates of Lower Limb Function in Stroke Victims With Gait Impairment. Stroke, 2008, 39, 1507-1513.	1.0	98
176	Connectivity of the human pedunculopontine nucleus region and diffusion tensor imaging in surgical targeting. Journal of Neurosurgery, 2007, 107, 814-820.	0.9	113
177	Functionally Specific Reorganization in Human Premotor Cortex. Neuron, 2007, 54, 479-490.	3.8	274
178	Connectivity of an effective hypothalamic surgical target for cluster headache. Journal of Clinical Neuroscience, 2007, 14, 955-960.	0.8	77
179	Connectivity-based parcellation of human cortex using diffusion MRI: Establishing reproducibility, validity and observer independence in BA 44/45 and SMA/pre-SMA. NeuroImage, 2007, 34, 204-211.	2.1	182
180	Discordant white matter N-acetylasparate and diffusion MRI measures suggest that chronic metabolic dysfunction contributes to axonal pathology in multiple sclerosis. NeuroImage, 2007, 36, 19-27.	2.1	93

#	Article	IF	Citations
181	Integrity of white matter in the corpus callosum correlates with bimanual co-ordination skills. NeuroImage, 2007, 36, T16-T21.	2.1	218
182	Topography of cortical and subcortical connections of the human pedunculopontine and subthalamic nuclei. NeuroImage, 2007, 37, 694-705.	2.1	182
183	Diffusion-Weighted Imaging Tractography-Based Parcellation of the Human Lateral Premotor Cortex Identifies Dorsal and Ventral Subregions with Anatomical and Functional Specializations. Journal of Neuroscience, 2007, 27, 10259-10269.	1.7	303
184	Anatomically related grey and white matter abnormalities in adolescent-onset schizophrenia. Brain, 2007, 130, 2375-2386.	3.7	718
185	Two-dimensional population map of cortical connections in the human internal capsule. Journal of Magnetic Resonance Imaging, 2007, 25, 48-54.	1.9	56
186	Acquisition and voxelwise analysis of multi-subject diffusion data with Tract-Based Spatial Statistics. Nature Protocols, 2007, 2, 499-503.	5.5	526
187	Functional specificity of human premotorâ€“motor cortical interactions during action selection. European Journal of Neuroscience, 2007, 26, 2085-2095.	1.2	128
188	Functional Imaging of Stroke Recovery: What Have We Learnt and Where Do We Go from Here?. International Journal of Stroke, 2007, 2, 7-16.	2.9	43
189	Structural Plasticity: Rewiring the Brain. Current Biology, 2007, 17, R141-R144.	1.8	98
190	Individual Differences in White-Matter Microstructure Reflect Variation in Functional Connectivity during Choice. Current Biology, 2007, 17, 1426-1431.	1.8	124
191	Effects of Acute Nicotine Abstinence on Cue-elicited Ventral Striatum/Nucleus Accumbens Activation in Female Cigarette Smokers: A Functional Magnetic Resonance Imaging Study. Brain Imaging and Behavior, 2007, 1, 43-57.	1.1	89
192	A consistent relationship between local white matter architecture and functional specialisation in medial frontal cortex. NeuroImage, 2006, 30, 220-227.	2.1	53
193	Reliable identification of the auditory thalamus using multi-modal structural analyses. NeuroImage, 2006, 30, 1112-1120.	2.1	89
194	Tract-based spatial statistics: Voxelwise analysis of multi-subject diffusion data. NeuroImage, 2006, 31, 1487-1505.	2.1	5,755
195	Between session reproducibility and between subject variability of diffusion MR and tractography measures. NeuroImage, 2006, 33, 867-877.	2.1	245
196	Functional anatomy of interhemispheric cortical connections in the human brain. Journal of Anatomy, 2006, 209, 311-320.	0.9	192
197	Probabilistic diffusion tractography: a potential tool to assess the rate of disease progression in amyotrophic lateral sclerosis. Brain, 2006, 129, 1859-1871.	3.7	177
198	Unconscious vision: new insights into the neuronal correlate of blindsight using diffusion tractography. Brain, 2006, 129, 1822-1832.	3.7	210

#	Article	IF	Citations
199	Just pretty pictures? What diffusion tractography can add in clinical neuroscience. Current Opinion in Neurology, 2006, 19, 379-385.	1.8	209
200	The Evolution of Prefrontal Inputs to the Cortico-pontine System: Diffusion Imaging Evidence from Macaque Monkeys and Humans. Cerebral Cortex, 2006, 16, 811-818.	1.6	258
201	Functionalâ€“Anatomical Validation and Individual Variation of Diffusion Tractography-based Segmentation of the Human Thalamus. Cerebral Cortex, 2005, 15, 31-39.	1.6	514
202	Connectivity of the human periventricularâ€”periaqueductal gray region. Journal of Neurosurgery, 2005, 103, 1030-1034.	0.9	70
203	Quantitative Investigation of Connections of the Prefrontal Cortex in the Human and Macaque using Probabilistic Diffusion Tractography. Journal of Neuroscience, 2005, 25, 8854-8866.	1.7	371
204	Ventral Striatum/Nucleus Accumbens Activation to Smoking-Related Pictorial Cues in Smokers and Nonsmokers: A Functional Magnetic Resonance Imaging Study. Biological Psychiatry, 2005, 58, 488-494.	0.7	259
205	Changes in connectivity profiles define functionally distinct regions in human medial frontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13335-13340.	3.3	632
206	Response-Selection-Related Parietal Activation during Number Comparison. Journal of Cognitive Neuroscience, 2004, 16, 1536-1551.	1.1	216
207	Evaluation of the Modifid Jebsen Test of Hand Function and the University of Maryland Arm Questionnaire for Stroke. Clinical Rehabilitation, 2004, 18, 195-202.	1.0	58
208	Towards an understanding of gait control: brain activation during the anticipation, preparation and execution of foot movements. NeuroImage, 2004, 21, 568-575.	2.1	225
209	Advances in functional and structural MR image analysis and implementation as FSL. NeuroImage, 2004, 23, S208-S219.	2.1	11,375
210	Neuroimaging in Stroke Recovery: A Position Paper from the First International Workshop on Neuroimaging and Stroke Recovery. Cerebrovascular Diseases, 2004, 18, 260-267.	0.8	115
211	Motor Physiology: A Brain of Two Halves. Current Biology, 2003, 13, R802-R804.	1.8	9
212	Non-invasive mapping of connections between human thalamus and cortex using diffusion imaging. Nature Neuroscience, 2003, 6, 750-757.	7.1	2,131
213	Altered Hemodynamic Responses in Patients After Subcortical Stroke Measured by Functional MRI. Stroke, 2002, 33, 103-109.	1.0	151
214	Correlation between motor improvements and altered fMRI activity after rehabilitative therapy. Brain, 2002, 125, 2731-2742.	3.7	521
215	In Briefs. Trends in Cognitive Sciences, 2002, 6, 413-415.	4.0	0
216	The role of ipsilateral premotor cortex in hand movement after stroke. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14518-14523.	3.3	720

#	Article	IF	Citations
217	Maternal antibody-mediated dyslexia? Evidence for a pathogenic serum factor in a mother of two dyslexic children shown by transfer to mice using behavioural studies and magnetic resonance spectroscopy. Journal of Neuroimmunology, 2002, 130, 243-247.	1.1	27
218	Attention to movement modulates activity in sensori-motor areas, including primary motor cortex. Experimental Brain Research, 2002, 142, 13-24.	0.7	174
219	e-publishing debate. Trends in Cognitive Sciences, 2001, 5, 469.	4.0	34
220	Hand-waving insight into infant language. Trends in Cognitive Sciences, 2001, 5, 512.	4.0	0
221	Cognitive neuroscience: Who to play at poker. Current Biology, 2001, 11, R261-R263.	1.8	7
222	Cognitive neuroscience: Early learning centres. Current Biology, 2001, 11, R613-R615.	1.8	1
223	Attention to touch modulates activity in both primary and secondary somatosensory areas. NeuroReport, 2000, 11, 1237-1241.	0.6	147