

Paul M Matthews

List of Publications by Year in descending order

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Version: 2024-02-01

306
papers

66,375
citations

997

114
h-index

834

245
g-index

330
all docs

330
docs citations

330
times ranked

56576
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse human astrocyte and microglial transcriptional responses to Alzheimer's pathology. <i>Acta Neuropathologica</i> , 2022, 143, 75-91.	7.7	80
2	Gene-mapping study of extremes of cerebral small vessel disease reveals TRIM47 as a strong candidate. <i>Brain</i> , 2022, 145, 1992-2007.	7.6	6
3	Reactive astrocytes acquire neuroprotective as well as deleterious signatures in response to Tau and A β pathology. <i>Nature Communications</i> , 2022, 13, 135.	12.8	97
4	Relationship between astrocyte reactivity, using novel 11C-BU99008 PET, and glucose metabolism, grey matter volume and amyloid load in cognitively impaired individuals. <i>Molecular Psychiatry</i> , 2022, 27, 2019-2029.	7.9	19
5	SARS-CoV-2 is associated with changes in brain structure in UK Biobank. <i>Nature</i> , 2022, 604, 697-707.	27.8	825
6	Human pharmacokinetics of XBD173 and etifoxine distinguish their potential for pharmacodynamic effects mediated by TSPO. <i>British Journal of Clinical Pharmacology</i> , 2022, , .	2.4	4
7	Identification of early neurodegenerative pathways in progressive multiple sclerosis. <i>Nature Neuroscience</i> , 2022, 25, 944-955.	14.8	55
8	Unbalanced SSFP for super-resolution in MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2477-2489.	3.0	2
9	MRI and PET Imaging: Clinical Applications. , 2021, , 1-8.		0
10	Relationships between retinal layer thickness and brain volumes in the UK Biobank cohort. <i>European Journal of Neurology</i> , 2021, 28, 1490-1498.	3.3	25
11	Tensor Dropout for Robust Learning. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021, 15, 630-640.	10.8	11
12	Activated microglia do not increase τ translocator protein (TSPO) expression in the multiple sclerosis brain. <i>Glia</i> , 2021, 69, 2447-2458.	4.9	47
13	Alcohol consumption in the general population is associated with structural changes in multiple organ systems. <i>eLife</i> , 2021, 10, .	6.0	16
14	Tryptophan-metabolizing gut microbes regulate adult neurogenesis via the aryl hydrocarbon receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	75
15	Astrocyte reactivity with late-onset cognitive impairment assessed in vivo using 11C-BU99008 PET and its relationship with amyloid load. <i>Molecular Psychiatry</i> , 2021, 26, 5848-5855.	7.9	43
16	Shared genetic pathways contribute to risk of hypertrophic and dilated cardiomyopathies with opposite directions of effect. <i>Nature Genetics</i> , 2021, 53, 128-134.	21.4	155
17	Single-Nucleus RNA-Seq Is Not Suitable for Detection of Microglial Activation Genes in Humans. <i>Cell Reports</i> , 2020, 32, 108189.	6.4	201
18	Accelerated MRI-predicted brain ageing and its associations with cardiometabolic and brain disorders. <i>Scientific Reports</i> , 2020, 10, 19940.	3.3	31

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19	A population-based phenome-wide association study of cardiac and aortic structure and function. <i>Nature Medicine</i> , 2020, 26, 1654-1662.	30.7	98
20	Genetic and functional insights into the fractal structure of the heart. <i>Nature</i> , 2020, 584, 589-594.	27.8	86
21	Sleep, major depressive disorder, and Alzheimer disease. <i>Neurology</i> , 2020, 95, e1963-e1970.	1.1	45
22	Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020, 11, 6285.	12.8	89
23	E-health and multiple sclerosis. <i>Current Opinion in Neurology</i> , 2020, 33, 271-276.	3.6	27
24	Neurofilaments: neurobiological foundations for biomarker applications. <i>Brain</i> , 2020, 143, 1975-1998.	7.6	167
25	The UK Biobank imaging enhancement of 100,000 participants: rationale, data collection, management and future directions. <i>Nature Communications</i> , 2020, 11, 2624.	12.8	324
26	Large-scale Quality Control of Cardiac Imaging in Population Studies: Application to UK Biobank. <i>Scientific Reports</i> , 2020, 10, 2408.	3.3	22
27	A novel neurodegenerative spectrum disorder in patients with MLKL deficiency. <i>Cell Death and Disease</i> , 2020, 11, 303.	6.3	16
28	Chronic inflammation in multiple sclerosis “seeing what was always there”. <i>Nature Reviews Neurology</i> , 2019, 15, 582-593.	10.1	81
29	New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. <i>Nature Human Behaviour</i> , 2019, 3, 950-961.	12.0	75
30	Evaluation of multiple sclerosis disability outcome measures using pooled clinical trial data. <i>Neurology</i> , 2019, 93, e1921-e1931.	1.1	58
31	In vivo detection of cerebral tau pathology in long-term survivors of traumatic brain injury. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	56
32	A quantitative neuropathological assessment of translocator protein expression in multiple sclerosis. <i>Brain</i> , 2019, 142, 3440-3455.	7.6	75
33	Breaking the cycle. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019, 6, e562.	6.0	12
34	Automated quality control in image segmentation: application to the UK Biobank cardiovascular magnetic resonance imaging study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 18.	3.3	78
35	Associations of Regional Brain Structural Differences With Aging, Modifiable Risk Factors for Dementia, and Cognitive Performance. <i>JAMA Network Open</i> , 2019, 2, e1917257.	5.9	42
36	Learning-Based Quality Control for Cardiac MR Images. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1127-1138.	8.9	42

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37	Cardiovascular magnetic resonance characterization of myocardial and vascular function in rheumatoid arthritis patients. <i>Hellenic Journal of Cardiology</i> , 2019, 60, 28-35.	1.0	17
38	Self-Supervised Learning for Cardiac MR Image Segmentation by Anatomical Position Prediction. <i>Lecture Notes in Computer Science</i> , 2019, , 541-549.	1.3	78
39	Minocycline reduces chronic microglial activation after brain trauma but increases neurodegeneration. <i>Brain</i> , 2018, 141, 459-471.	7.6	143
40	Distinguishable brain networks relate disease susceptibility to symptom expression in schizophrenia. <i>Human Brain Mapping</i> , 2018, 39, 3503-3515.	3.6	9
41	Mixed Neural Network Approach for Temporal Sleep Stage Classification. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 324-333.	4.9	192
42	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. <i>NeuroImage</i> , 2018, 166, 400-424.	4.2	1,026
43	The MSOAC approach to developing performance outcomes to measure and monitor multiple sclerosis disability. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1469-1484.	3.0	41
44	Unravelling the GSK3 β -related genotypic interaction network influencing hippocampal volume in recurrent major depressive disorder. <i>Psychiatric Genetics</i> , 2018, 28, 77-84.	1.1	27
45	Lipoprotein markers associated with disability from multiple sclerosis. <i>Scientific Reports</i> , 2018, 8, 17026.	3.3	35
46	Automated cardiovascular magnetic resonance image analysis with fully convolutional networks. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 65.	3.3	468
47	Remote Monitoring in the Home Validates Clinical Gait Measures for Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2018, 9, 561.	2.4	26
48	Anti-TNF modulation reduces myocardial inflammation and improves cardiovascular function in systemic rheumatic diseases. <i>International Journal of Cardiology</i> , 2018, 270, 253-259.	1.7	58
49	Mononuclear cell transcriptome changes associated with dimethyl fumarate in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018, 5, e470.	6.0	8
50	Recurrent Neural Networks for Aortic Image Sequence Segmentation with Sparse Annotations. <i>Lecture Notes in Computer Science</i> , 2018, , 586-594.	1.3	69
51	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. <i>NeuroImage</i> , 2017, 153, 399-409.	4.2	13
52	Analysis of ageing-associated grey matter volume in patients with multiple sclerosis shows excess atrophy in subcortical regions. <i>NeuroImage: Clinical</i> , 2017, 13, 9-15.	2.7	25
53	Translocator positron-emission tomography and magnetic resonance spectroscopic imaging of brain glial cell activation in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017, 23, 1469-1478.	3.0	23
54	Pro-inflammatory activation of primary microglia and macrophages increases 18kDa translocator protein expression in rodents but not humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2679-2690.	4.3	153

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55	¹¹ C-PBR28 and ¹⁸ F-PBR111 Detect White Matter Inflammatory Heterogeneity in Multiple Sclerosis. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1477-1482.	5.0	57
56	Scanning the horizon: towards transparent and reproducible neuroimaging research. <i>Nature Reviews Neuroscience</i> , 2017, 18, 115-126.	10.2	1,041
57	Protocol and quality assurance for carotid imaging in 100,000 participants of UK Biobank: development and assessment. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 1799-1806.	1.8	27
58	Neuroinflammation and its relationship to changes in brain volume and white matter lesions in multiple sclerosis. <i>Brain</i> , 2017, 140, 2927-2938.	7.6	75
59	<i>TSPO</i> mutations in rats and a human polymorphism impair the rate of steroid synthesis. <i>Biochemical Journal</i> , 2017, 474, 3985-3999.	3.7	80
60	Advanced MRI measures like DTI or fMRI should be outcome measures in future clinical trials – NO. <i>Multiple Sclerosis Journal</i> , 2017, 23, 1456-1458.	3.0	1
61	Inferring functional connectivity in fMRI using minimum partial correlation. <i>International Journal of Automation and Computing</i> , 2017, 14, 371-385.	4.5	5
62	A Comparison of Magnetization Transfer Methods to Assess Brain and Cervical Cord Microstructure in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2017, 27, 221-226.	2.0	43
63	Personalised medicine for multiple sclerosis care. <i>Multiple Sclerosis Journal</i> , 2017, 23, 362-369.	3.0	47
64	Achievements and obstacles of remyelinating therapies in multiple sclerosis. <i>Nature Reviews Neurology</i> , 2017, 13, 742-754.	10.1	89
65	Abnormal brain white matter microstructure is associated with both pre-hypertension and hypertension. <i>PLoS ONE</i> , 2017, 12, e0187600.	2.5	47
66	Impact of detecting potentially serious incidental findings during multi-modal imaging. <i>Wellcome Open Research</i> , 2017, 2, 114.	1.8	21
67	Characterisation of liver fat in the UK Biobank cohort. <i>PLoS ONE</i> , 2017, 12, e0172921.	2.5	95
68	UK Biobank's cardiovascular magnetic resonance protocol. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 8.	3.3	254
69	Near Infrared Fluorescence (NIRF) Molecular Imaging of Oxidized LDL with an Autoantibody in Experimental Atherosclerosis. <i>Scientific Reports</i> , 2016, 6, 21785.	3.3	38
70	Better together for better dementia research and care. <i>Lancet Psychiatry</i> , 2016, 3, 503-504.	7.4	0
71	Reproducibility and variability of quantitative magnetic resonance imaging markers in cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1319-1337.	4.3	80
72	A pilot study of the effect of short-term escitalopram treatment on brain metabolites and gamma-oscillations in healthy subjects. <i>Journal of Psychopharmacology</i> , 2016, 30, 579-580.	4.0	4

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73	Design, Synthesis, and Evaluation of Fluorinated Radioligands for Myelin Imaging. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3705-3718.	6.4	12
74	Pharmacological Applications of fMRI. <i>Neuromethods</i> , 2016, , 817-831.	0.3	0
75	Clinical Concepts Emerging from fMRI Functional Connectomics. <i>Neuron</i> , 2016, 91, 511-528.	8.1	80
76	A practical review of the neuropathology and neuroimaging of multiple sclerosis. <i>Practical Neurology</i> , 2016, 16, 279-287.	1.1	30
77	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. <i>Nature Neuroscience</i> , 2016, 19, 1523-1536.	14.8	1,414
78	Inferring Individual-Level Variations in the Functional Parcellation of the Cerebral Cortex. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2505-2517.	4.2	1
79	Hippocampal Neuroinflammation, Functional Connectivity, and Depressive Symptoms in Multiple Sclerosis. <i>Biological Psychiatry</i> , 2016, 80, 62-72.	1.3	103
80	Amyloid pathology and axonal injury after brain trauma. <i>Neurology</i> , 2016, 86, 821-828.	1.1	116
81	Neuroinflammation in treated HIV-positive individuals. <i>Neurology</i> , 2016, 86, 1425-1432.	1.1	136
82	Automatic Sleep Stage Scoring Using Time-Frequency Analysis and Stacked Sparse Autoencoders. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1587-1597.	2.5	242
83	Kisspeptin signaling in the amygdala modulates reproductive hormone secretion. <i>Brain Structure and Function</i> , 2016, 221, 2035-2047.	2.3	66
84	The critical regularization value: Incorporating spatial smoothness to enhance signal detection in highly noisy fMRI data. , 2015, , .		0
85	Thalamic inflammation after brain trauma is associated with thalamo-cortical white matter damage. <i>Journal of Neuroinflammation</i> , 2015, 12, 224.	7.2	60
86	The OPTIMISE data project: toward improving multiple sclerosis treatment. <i>Future Neurology</i> , 2015, 10, 187-190.	0.5	0
87	Relevance of parahippocampal-locus coeruleus connectivity to memory in early dementia. <i>Neurobiology of Aging</i> , 2015, 36, 618-626.	3.1	65
88	Diffuse Myocardial Fibrosis and Inflammation in Rheumatoid Arthritis. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 526-536.	5.3	164
89	Abnormal myocardial perfusion correlates with impaired systolic strain and diastolic strain rate in systemic lupus erythematosus: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, O81.	3.3	3
90	Impaired energetics and normal myocardial lipids in rheumatoid arthritis and systemic lupus erythematosus: a phosphorous and proton magnetic resonance spectroscopy and cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, O99.	3.3	2

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91	Impaired myocardial perfusion in rheumatoid arthritis is associated with impaired strain, strain rate, disease activity and myocardial oedema: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, Q65.	3.3	2
92	Impaired myocardial perfusion is associated with extracellular volume expansion, disease activity and impaired strain and strain rate in systemic sclerosis: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, Q71.	3.3	1
93	Positron-emission tomography molecular imaging of glia and myelin in drug discovery for multiple sclerosis. <i>Expert Opinion on Drug Discovery</i> , 2015, 10, 557-570.	5.0	27
94	New drugs and personalized medicine for multiple sclerosis. <i>Nature Reviews Neurology</i> , 2015, 11, 614-616.	10.1	15
95	Reduced cerebrovascular reactivity in young adults carrying the <i>APOE</i> ϵ 4 allele. <i>Alzheimer's and Dementia</i> , 2015, 11, 648.	0.8	84
96	The UK Biobank. <i>Brain</i> , 2015, 138, 3463-3465.	7.6	37
97	Bioenergetics and intermuscular fat in chronic obstructive pulmonary disease-associated quadriceps weakness. <i>Muscle and Nerve</i> , 2015, 51, 214-221.	2.2	20
98	Minimum Partial Correlation: An Accurate and Parameter-Free Measure of Functional Connectivity in fMRI. <i>Lecture Notes in Computer Science</i> , 2015, , 125-134.	1.3	6
99	Determination of [¹¹ C]PBR28 Binding Potential <i>in vivo</i> : A First Human TSPO Blocking Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 989-994.	4.3	117
100	A common brain network links development, aging, and vulnerability to disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17648-17653.	7.1	268
101	The virtues of adaptability. <i>Multiple Sclerosis Journal</i> , 2014, 20, 394-396.	3.0	2
102	Subclinical myocardial inflammation and diffuse fibrosis are common in systemic sclerosis – a clinical study using myocardial T1-mapping and extracellular volume quantification. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 21.	3.3	200
103	Understanding the pharmacology of stroke and multiple sclerosis through imaging. <i>Current Opinion in Pharmacology</i> , 2014, 14, 34-41.	3.5	1
104	The emerging agenda of stratified medicine in neurology. <i>Nature Reviews Neurology</i> , 2014, 10, 15-26.	10.1	30
105	In Vivo Assessment of Brain White Matter Inflammation in Multiple Sclerosis with ¹⁸ F-PBR111 PET. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1112-1118.	5.0	82
106	Automated identification of brain new lesions in multiple sclerosis using subtraction images. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1543-1549.	3.4	45
107	Development of Whole Body and Intravascular Near-infrared Optical Molecular Imaging of Markers of Plaque Vulnerability in Atherosclerosis. <i>Heart</i> , 2014, 100, A128.1-A128.	2.9	1
108	Aging associated changes in the motor control of ankle movements in the brain. <i>Neurobiology of Aging</i> , 2014, 35, 2222-2229.	3.1	9

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109	Neuroscience thinks big (and collaboratively). <i>Nature Reviews Neuroscience</i> , 2013, 14, 659-664.	10.2	206
110	Imaging in population science: cardiovascular magnetic resonance in 100,000 participants of UK Biobank - rationale, challenges and approaches. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 46.	3.3	188
111	A genome-wide association study of brain lesion distribution in multiple sclerosis. <i>Brain</i> , 2013, 136, 1012-1024.	7.6	52
112	Glutamate gene polymorphisms predict brain volumes in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2013, 19, 281-288.	3.0	20
113	Longitudinal positron emission tomography imaging for monitoring myelin repair in the spinal cord. <i>Annals of Neurology</i> , 2013, 74, 688-698.	5.3	45
114	Quantification of the Specific Translocator Protein Signal of ¹⁸ F-PBR111 in Healthy Humans: A Genetic Polymorphism Effect on In Vivo Binding. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1915-1923.	5.0	105
115	Histone deacetylase gene variants predict brain volume changes in multiple sclerosis. <i>Neurobiology of Aging</i> , 2013, 34, 238-247.	3.1	31
116	Technologies: preclinical imaging for drug development. <i>Drug Discovery Today: Technologies</i> , 2013, 10, e343-e350.	4.0	24
117	Bipolar Disorder is associated with the rs6971 polymorphism in the gene encoding 18kDa Translocator Protein (TSPO). <i>Psychoneuroendocrinology</i> , 2013, 38, 2826-2829.	2.7	47
118	Expanding perception through the disordered brain. <i>Lancet, The</i> , 2013, 381, 985-986.	13.7	0
119	Brain Microstructure Reveals Early Abnormalities more than Two Years prior to Clinical Progression from Mild Cognitive Impairment to Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2013, 33, 2147-2155.	3.6	161
120	Functional segmentation of the hippocampus in the healthy human brain and in Alzheimer's disease. <i>NeuroImage</i> , 2013, 66, 28-35.	4.2	85
121	T1-Weighted Sodium MRI of the Articular Cartilage in Osteoarthritis: A Cross Sectional and Longitudinal Study. <i>PLoS ONE</i> , 2013, 8, e73067.	2.5	23
122	Relating Brain Damage to Brain Plasticity in Patients With Multiple Sclerosis. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 581-593.	2.9	61
123	Increased PK11195 PET binding in the cortex of patients with MS correlates with disability. <i>Neurology</i> , 2012, 79, 523-530.	1.1	150
124	Imaging the neuroendocrinology of appetite. <i>Adipocyte</i> , 2012, 1, 68-72.	2.8	1
125	An 18-kDa Translocator Protein (TSPO) Polymorphism Explains Differences in Binding Affinity of the PET Radioligand PBR28. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1-5.	4.3	642
126	Brain Structural and Functional Connectivity and the Progression of Neuropathology in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 33, S163-S172.	2.6	31

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127	The Use of Functional MRI to Study Appetite Control in the CNS. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-13.	3.8	64
128	A Pilot Randomized, Placebo Controlled, Double Blind Phase I Trial of the Novel SIRT1 Activator SRT2104 in Elderly Volunteers. <i>PLoS ONE</i> , 2012, 7, e51395.	2.5	102
129	Orbitofrontal Connectivity with Resting-State Networks Is Associated with Midbrain Dopamine D3 Receptor Availability. <i>Cerebral Cortex</i> , 2012, 22, 2784-2793.	2.9	62
130	Cortical activation changes underlying stimulation-induced behavioural gains in chronic stroke. <i>Brain</i> , 2012, 135, 276-284.	7.6	156
131	Genetic variation in GOLM1 and prefrontal cortical volume in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 457-465.	3.1	14
132	Endogenous Opioid Release in the Human Brain Reward System Induced by Acute Amphetamine Administration. <i>Biological Psychiatry</i> , 2012, 72, 371-377.	1.3	104
133	Neuroplasticity and functional recovery in multiple sclerosis. <i>Nature Reviews Neurology</i> , 2012, 8, 635-646.	10.1	128
134	T2* measurement of the knee articular cartilage in osteoarthritis at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1422-1429.	3.4	53
135	The effect of hypointense white matter lesions on automated gray matter segmentation in multiple sclerosis. <i>Human Brain Mapping</i> , 2012, 33, 2802-2814.	3.6	116
136	Positron emission tomography molecular imaging for drug development. <i>British Journal of Clinical Pharmacology</i> , 2012, 73, 175-186.	2.4	263
137	Changes in Gray Matter Volume and White Matter Microstructure in Adolescents with Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2011, 70, 1083-1090.	1.3	146
138	Network analysis detects changes in the contralesional hemisphere following stroke. <i>NeuroImage</i> , 2011, 54, 161-169.	4.2	204
139	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.	4.2	468
140	Modeling the cumulative genetic risk for multiple sclerosis from genome-wide association data. <i>Genome Medicine</i> , 2011, 3, 3.	8.2	63
141	The Gut Hormones PYY3-36 and GLP-17-36 amide Reduce Food Intake and Modulate Brain Activity in Appetite Centers in Humans. <i>Cell Metabolism</i> , 2011, 14, 700-706.	16.2	288
142	Non-invasive imaging in experimental medicine for drug development. <i>Current Opinion in Pharmacology</i> , 2011, 11, 501-507.	3.5	32
143	A Multi-Center Randomized Proof-of-Concept Clinical Trial Applying [¹⁸ F]FDG-PET for Evaluation of Metabolic Therapy with Rosiglitazone XR in Mild to Moderate Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 22, 1241-1256.	2.6	86
144	Axonal pathology in patients with multiple sclerosis. , 2011, , 150-164.		1

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145	Structural brain and neuropsychometric changes associated with pediatric bipolar disorder with psychosis. <i>Bipolar Disorders</i> , 2011, 13, 16-27.	1.9	66
146	A multicentre study of motor functional connectivity changes in patients with multiple sclerosis. <i>European Journal of Neuroscience</i> , 2011, 33, 1256-1263.	2.6	25
147	Structural Brain Changes in Patients with Recurrent Major Depressive Disorder Presenting with Anxiety Symptoms. , 2011, 21, 375-382.		44
148	The Effects of Nicotine Replacement on Cognitive Brain Activity During Smoking Withdrawal Studied with Simultaneous fMRI/EEG. <i>Neuropsychopharmacology</i> , 2011, 36, 1792-1800.	5.4	48
149	Polarity and timing-dependent effects of transcranial direct current stimulation in explicit motor learning. <i>Neuropsychologia</i> , 2011, 49, 800-804.	1.6	378
150	Thyroid hormone transporter genes and grey matter changes in patients with major depressive disorder and healthy controls. <i>Psychoneuroendocrinology</i> , 2011, 36, 929-934.	2.7	6
151	Structural and functional bases for individual differences in motor learning. <i>Human Brain Mapping</i> , 2011, 32, 494-508.	3.6	136
152	Direct Exposure of Guinea Pig CNS to Human Luteinizing Hormone Increases Cerebrospinal Fluid and Cerebral Beta Amyloid Levels. <i>Neuroendocrinology</i> , 2011, 94, 313-322.	2.5	23
153	Imaging Brain Microglial Activation Using Positron Emission Tomography and Translocator Protein-Specific Radioligands. <i>International Review of Neurobiology</i> , 2011, 101, 19-39.	2.0	75
154	Towards molecular imaging of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011, 17, 262-272.	3.0	11
155	Preservation of motor skill learning in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011, 17, 103-115.	3.0	69
156	Grey matter volume in a large cohort of MS patients: relation to MRI parameters and disability. <i>Multiple Sclerosis Journal</i> , 2011, 17, 1098-1106.	3.0	167
157	Cognitive Context Determines Dorsal Premotor Cortical Activity During Hand Movement in Patients After Stroke. <i>Stroke</i> , 2011, 42, 1056-1061.	2.0	24
158	Motor Practice Promotes Increased Activity in Brain Regions Structurally Disconnected After Subcortical Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 607-616.	2.9	52
159	Mixed-Affinity Binding in Humans with 18-kDa Translocator Protein Ligands. <i>Journal of Nuclear Medicine</i> , 2011, 52, 24-32.	5.0	330
160	Rare Deletions at 16p13.11 Predispose to a Diverse Spectrum of Sporadic Epilepsy Syndromes. <i>American Journal of Human Genetics</i> , 2010, 86, 707-718.	6.2	231
161	Measurement of relative cerebral blood volume using BOLD contrast and mild hypoxic hypoxia. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1129-1134.	1.8	6
162	Two Binding Sites for [³ H]PBR28 in Human Brain: Implications for TSPO PET Imaging of Neuroinflammation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1608-1618.	4.3	187

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163	A computationally fast measure of epistasis for 2 SNPs and a categorical phenotype. , 2010, 2010, 6194-7.		3
164	Common genetic variation and susceptibility to partial epilepsies: a genome-wide association study. Brain, 2010, 133, 2136-2147.	7.6	132
165	Genetic variation influences glutamate concentrations in brains of patients with multiple sclerosis. Brain, 2010, 133, 2603-2611.	7.6	123
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