

Richard S Frackowiak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3904729/publications.pdf>

Version: 2024-02-01

533
papers

134,932
citations

48

185
h-index

95

356
g-index

569
all docs

569
docs citations

569
times ranked

53774
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical parametric maps in functional imaging: A general linear approach. <i>Human Brain Mapping</i> , 1994, 2, 189-210.	3.6	8,177
2	A Voxel-Based Morphometric Study of Ageing in 465 Normal Adult Human Brains. <i>NeuroImage</i> , 2001, 14, 21-36.	4.2	4,189
3	Spatial registration and normalization of images. <i>Human Brain Mapping</i> , 1995, 3, 165-189.	3.6	3,080
4	Movement-Related effects in fMRI time-series. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 346-355.	3.0	3,064
5	Navigation-related structural change in the hippocampi of taxi drivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4398-4403.	7.1	2,621
6	The neural correlates of the verbal component of working memory. <i>Nature</i> , 1993, 362, 342-345.	27.8	2,322
7	Analysis of fMRI Time-Series Revisited. <i>NeuroImage</i> , 1995, 2, 45-53.	4.2	2,189
8	Functional Connectivity: The Principal-Component Analysis of Large (PET) Data Sets. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 5-14.	4.3	1,688
9	Assessing the significance of focal activations using their spatial extent. <i>Human Brain Mapping</i> , 1994, 1, 210-220.	3.6	1,654
10	A direct demonstration of functional specialization in human visual cortex. <i>Journal of Neuroscience</i> , 1991, 11, 641-649.	3.6	1,617
11	Comparing Functional (PET) Images: The Assessment of Significant Change. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 690-699.	4.3	1,553
12	Other minds in the brain: a functional imaging study of "theory of mind" in story comprehension. <i>Cognition</i> , 1995, 57, 109-128.	2.2	1,462
13	Area V5 of the Human Brain: Evidence from a Combined Study Using Positron Emission Tomography and Magnetic Resonance Imaging. <i>Cerebral Cortex</i> , 1993, 3, 79-94.	2.9	1,236
14	Cerebral Asymmetry and the Effects of Sex and Handedness on Brain Structure: A Voxel-Based Morphometric Analysis of 465 Normal Adult Human Brains. <i>NeuroImage</i> , 2001, 14, 685-700.	4.2	1,189
15	Quantitative Measurement of Regional Cerebral Blood Flow and Oxygen Metabolism in Man Using ¹⁵ O and Positron Emission Tomography. <i>Journal of Computer Assisted Tomography</i> , 1980, 4, 727-736.	0.9	1,173
16	Grafts of fetal dopamine neurons survive and improve motor function in Parkinson's disease. <i>Science</i> , 1990, 247, 574-577.	12.6	1,156
17	Knowing Where and Getting There: A Human Navigation Network. <i>Science</i> , 1998, 280, 921-924.	12.6	1,154
18	Functional anatomy of a common semantic system for words and pictures. <i>Nature</i> , 1996, 383, 254-256.	27.8	1,151

#	ARTICLE	IF	CITATIONS
19	THE ANATOMY OF PHONOLOGICAL AND SEMANTIC PROCESSING IN NORMAL SUBJECTS. <i>Brain</i> , 1992, 115, 1753-1768.	7.6	1,150
20	Hypothalamic activation in cluster headache attacks. <i>Lancet</i> , The, 1998, 352, 275-278.	13.7	1,092
21	The functional anatomy of motor recovery after stroke in humans: A study with positron emission tomography. <i>Annals of Neurology</i> , 1991, 29, 63-71.	5.3	1,080
22	Automatic classification of MR scans in Alzheimer's disease. <i>Brain</i> , 2008, 131, 681-689.	7.6	1,017
23	A functional neuroanatomy of hallucinations in schizophrenia. <i>Nature</i> , 1995, 378, 176-179.	27.8	1,010
24	CEREBRAL BLOOD FLOW, BLOOD VOLUME AND OXYGEN UTILIZATION. <i>Brain</i> , 1990, 113, 27-47.	7.6	984
25	DISTRIBUTION OF CORTICAL NEURAL NETWORKS INVOLVED IN WORD COMPREHENSION AND WORD RETRIEVAL. <i>Brain</i> , 1991, 114, 1803-1817.	7.6	936
26	A voxel-based morphometry study of semantic dementia: Relationship between temporal lobe atrophy and semantic memory. <i>Annals of Neurology</i> , 2000, 47, 36-45.	5.3	899
27	Patterns of Cerebral Blood Flow in Schizophrenia. <i>British Journal of Psychiatry</i> , 1992, 160, 179-186.	2.8	890
28	Functional reorganization of the brain in recovery from striatocapsular infarction in man. <i>Annals of Neurology</i> , 1992, 31, 463-472.	5.3	869
29	Neural correlates of motor recovery after stroke: a longitudinal fMRI study. <i>Brain</i> , 2003, 126, 2476-2496.	7.6	848
30	The Relationship between Global and Local Changes in PET Scans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 458-466.	4.3	841
31	Functional localization of the system for visuospatial attention using positron emission tomography. <i>Brain</i> , 1997, 120, 515-533.	7.6	828
32	The Prefrontal Cortex: Response Selection or Maintenance Within Working Memory?. <i>Science</i> , 2000, 288, 1656-1660.	12.6	822
33	Brain regions associated with acquisition and retrieval of verbal episodic memory. <i>Nature</i> , 1994, 368, 633-635.	27.8	814
34	Structural plasticity in the bilingual brain. <i>Nature</i> , 2004, 431, 757-757.	27.8	808
35	Cortical areas and the selection of movement: a study with positron emission tomography. <i>Experimental Brain Research</i> , 1991, 84, 393-402.	1.5	794
36	Willed action and the prefrontal cortex in man: a study with PET. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1991, 244, 241-246.	2.6	768

#	ARTICLE	IF	CITATIONS
37	Investigations of the functional anatomy of attention using the stroop test. <i>Neuropsychologia</i> , 1993, 31, 907-922.	1.6	727
38	REGIONAL CEREBRAL OXYGEN SUPPLY AND UTILIZATION IN DEMENTIA: A CLINICAL AND PHYSIOLOGICAL STUDY WITH OXYGEN-15 AND POSITRON TOMOGRAPHY A CLINICAL AND PHYSIOLOGICAL STUDY WITH OXYGEN - 15 AND POSITRON TOMOGRAPHY. <i>Brain</i> , 1981, 104, 753-778.	7.6	725
39	Evidence for Segregated and Integrative Connectivity Patterns in the Human Basal Ganglia. <i>Journal of Neuroscience</i> , 2008, 28, 7143-7152.	3.6	695
40	The anatomy of melancholia – focal abnormalities of cerebral blood flow in major depression. <i>Psychological Medicine</i> , 1992, 22, 607-615.	4.5	692
41	How does transcranial DC stimulation of the primary motor cortex alter regional neuronal activity in the human brain?. <i>European Journal of Neuroscience</i> , 2005, 22, 495-504.	2.6	681
42	A PET study of word finding. <i>Neuropsychologia</i> , 1991, 29, 1137-1148.	1.6	678
43	THE CORTICAL LOCALIZATION OF THE LEXICONS. <i>Brain</i> , 1992, 115, 1769-1782.	7.6	674
44	Noun and verb retrieval by normal subjects Studies with PET. <i>Brain</i> , 1996, 119, 159-179.	7.6	661
45	The role of the right hemisphere in the interpretation of figurative aspects of language A positron emission tomography activation study. <i>Brain</i> , 1994, 117, 1241-1253.	7.6	652
46	Differing patterns of striatal 18F-dopa uptake in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy. <i>Annals of Neurology</i> , 1990, 28, 547-555.	5.3	641
47	Characterizing Evoked Hemodynamics with fMRI. <i>NeuroImage</i> , 1995, 2, 157-165.	4.2	631
48	The Mind's Eye – Precuneus Activation in Memory-Related Imagery. <i>NeuroImage</i> , 1995, 2, 195-200.	4.2	613
49	Recalling Routes around London: Activation of the Right Hippocampus in Taxi Drivers. <i>Journal of Neuroscience</i> , 1997, 17, 7103-7110.	3.6	608
50	Impaired mesial frontal and putamen activation in Parkinson's disease: A positron emission tomography study. <i>Annals of Neurology</i> , 1992, 32, 151-161.	5.3	600
51	Functional anatomy of human procedural learning determined with regional cerebral blood flow and PET. <i>Journal of Neuroscience</i> , 1992, 12, 2542-2548.	3.6	598
52	Regional cerebral blood flow during voluntary arm and hand movements in human subjects. <i>Journal of Neurophysiology</i> , 1991, 65, 1392-1401.	1.8	597
53	Neural correlates of outcome after stroke: a cross-sectional fMRI study. <i>Brain</i> , 2003, 126, 1430-1448.	7.6	593
54	Anatomy of Motor Learning. I. Frontal Cortex and Attention to Action. <i>Journal of Neurophysiology</i> , 1997, 77, 1313-1324.	1.8	580

#	ARTICLE	IF	CITATIONS
55	Functional mapping of brain areas implicated in auditory verbal memory function. <i>Brain</i> , 1993, 116, 1-20.	7.6	579
56	Neural systems engaged by planning: a PET study of the Tower of London task. <i>Neuropsychologia</i> , 1996, 34, 515-526.	1.6	574
57	Is developmental dyslexia a disconnection syndrome?. <i>Brain</i> , 1996, 119, 143-157.	7.6	573
58	Brainstem activation specific to migraine headache. <i>Lancet</i> , 2001, 357, 1016-1017.	13.7	564
59	Where in the brain does visual attention select the forest and the trees?. <i>Nature</i> , 1996, 382, 626-628.	27.8	559
60	Temporal difference models describe higher-order learning in humans. <i>Nature</i> , 2004, 429, 664-667.	27.8	557
61	"Theory of mind" in the brain. Evidence from a PET scan study of Asperger syndrome. <i>NeuroReport</i> , 1996, 8, 197-201.	1.2	555
62	Structural Covariance in the Human Cortex. <i>Journal of Neuroscience</i> , 2005, 25, 8303-8310.	3.6	550
63	Demonstrating the Implicit Processing of Visually Presented Words and Pseudowords. <i>Cerebral Cortex</i> , 1996, 6, 62-70.	2.9	538
64	Correlation between structural and functional changes in brain in an idiopathic headache syndrome. <i>Nature Medicine</i> , 1999, 5, 836-838.	30.7	533
65	The Trouble with Cognitive Subtraction. <i>NeuroImage</i> , 1996, 4, 97-104.	4.2	530
66	Regional cerebral blood flow in depression measured by positron emission tomography: the relationship with clinical dimensions. <i>Psychological Medicine</i> , 1993, 23, 579-590.	4.5	520
67	A fronto-parietal network for rapid visual information processing: a PET study of sustained attention and working memory. <i>Neuropsychologia</i> , 1996, 34, 1085-1095.	1.6	513
68	Human Fetal Dopamine Neurons Grafted Into the Striatum in Two Patients With Severe Parkinson's Disease. <i>Archives of Neurology</i> , 1989, 46, 615.	4.5	511
69	Characterizing Dynamic Brain Responses with fMRI: A Multivariate Approach. <i>NeuroImage</i> , 1995, 2, 166-172.	4.2	498
70	A Voxel-Based Method for the Statistical Analysis of Gray and White Matter Density Applied to Schizophrenia. <i>NeuroImage</i> , 1995, 2, 244-252.	4.2	497
71	Changes in cerebral activity pattern due to subthalamic nucleus or internal pallidum stimulation in Parkinson's disease. <i>Annals of Neurology</i> , 1997, 42, 283-291.	5.3	485
72	Brain activity during reading The effects of exposure duration and task. <i>Brain</i> , 1994, 117, 1255-1269.	7.6	484

#	ARTICLE	IF	CITATIONS
73	The colour centre in the cerebral cortex of man. <i>Nature</i> , 1989, 340, 386-389.	27.8	479
74	Central neuromodulation in chronic migraine patients with suboccipital stimulators: a PET study. <i>Brain</i> , 2004, 127, 220-230.	7.6	457
75	SERIAL OBSERVATIONS ON THE PATHOPHYSIOLOGY OF ACUTE STROKE. <i>Brain</i> , 1983, 106, 197-222.	7.6	451
76	Multiple Nonprimary Motor Areas in the Human Cortex. <i>Journal of Neurophysiology</i> , 1997, 77, 2164-2174.	1.8	451
77	The neural consequences of conflict between intention and the senses. <i>Brain</i> , 1999, 122, 497-512.	7.6	450
78	Cortical and subcortical localization of response to pain in man using positron emission tomography. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1991, 244, 39-44.	2.6	449
79	Brain systems for encoding and retrieval of auditory verbal memory. An in vivo study in humans. <i>Brain</i> , 1995, 118, 401-416.	7.6	442
80	Comparison of Methods for Analysis of Clinical [¹¹ C]Raclopride Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 42-52.	4.3	441
81	The neuroanatomy of autism. <i>NeuroReport</i> , 1999, 10, 1647-1651.	1.2	439
82	Functional Anatomy of Obsessive Compulsive Phenomena. <i>British Journal of Psychiatry</i> , 1994, 164, 459-468.	2.8	436
83	Hearing and saying. <i>Brain</i> , 1996, 119, 919-931.	7.6	436
84	Impaired activation of the supplementary motor area in Parkinson's disease is reversed when akinesia is treated with apomorphine. <i>Annals of Neurology</i> , 1992, 32, 749-757.	5.3	426
85	Striatal D2 receptor status in patients with Parkinson's disease, striatonigral degeneration, and progressive supranuclear palsy, measured with ¹¹ C-raclopride and positron emission tomography. <i>Annals of Neurology</i> , 1992, 31, 184-192.	5.3	423
86	Anatomy of Motor Learning. II. Subcortical Structures and Learning by Trial and Error. <i>Journal of Neurophysiology</i> , 1997, 77, 1325-1337.	1.8	420
87	Neural basis of an inherited speech and language disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12695-12700.	7.1	418
88	Regional Brain Activity in Chronic Schizophrenic Patients during the Performance of a Verbal Fluency Task. <i>British Journal of Psychiatry</i> , 1995, 167, 343-349.	2.8	417
89	Evidence for long-term survival and function of dopaminergic grafts in progressive Parkinson's disease. <i>Annals of Neurology</i> , 1994, 35, 172-180.	5.3	412
90	The structural components of music perception. A functional anatomical study. <i>Brain</i> , 1997, 120, 229-243.	7.6	407

#	ARTICLE	IF	CITATIONS
91	Age-related changes in the neural correlates of motor performance. <i>Brain</i> , 2003, 126, 873-888.	7.6	405
92	A PET study exploring the laterality of brainstem activation in migraine using glyceryl trinitrate. <i>Brain</i> , 2005, 128, 932-939.	7.6	404
93	The neural systems sustaining face and proper-name processing. <i>Brain</i> , 1998, 121, 2103-2118.	7.6	402
94	Superior temporal sulcus anatomical abnormalities in childhood autism: a voxel-based morphometry MRI study. <i>NeuroImage</i> , 2004, 23, 364-369.	4.2	401
95	Automatic Differentiation of Anatomical Patterns in the Human Brain: Validation with Studies of Degenerative Dementias. <i>NeuroImage</i> , 2002, 17, 29-46.	4.2	399
96	A Positron Emission Tomographic Study in Spontaneous Migraine. <i>Archives of Neurology</i> , 2005, 62, 1270.	4.5	395
97	Different activation patterns in the visual cortex of late and congenitally blind subjects. <i>Brain</i> , 1998, 121, 409-419.	7.6	390
98	Endogenous Cortical Rhythms Determine Cerebral Specialization for Speech Perception and Production. <i>Neuron</i> , 2007, 56, 1127-1134.	8.1	390
99	Opponent appetitive-aversive neural processes underlie predictive learning of pain relief. <i>Nature Neuroscience</i> , 2005, 8, 1234-1240.	14.8	384
100	Dopaminergic modulation of impaired cognitive activation in the anterior cingulate cortex in schizophrenia. <i>Nature</i> , 1995, 378, 180-182.	27.8	382
101	Cerebral Oxygen Metabolism and Blood Flow in Human Cerebral Ischemic Infarction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1982, 2, 321-335.	4.3	376
102	The Nigrostriatal Dopaminergic System Assessed In Vivo by Positron Emission Tomography in Healthy Volunteer Subjects and Patients With Parkinson's Disease. <i>Archives of Neurology</i> , 1990, 47, 1290-1298.	4.5	376
103	Motor system activation after subcortical stroke depends on corticospinal system integrity. <i>Brain</i> , 2006, 129, 809-819.	7.6	369
104	MRI analysis of an inherited speech and language disorder: structural brain abnormalities. <i>Brain</i> , 2002, 125, 465-478.	7.6	368
105	Differential activation of the prefrontal cortex in successful and unsuccessful memory retrieval. <i>Brain</i> , 1996, 119, 2073-2083.	7.6	367
106	Abnormal monitoring of inner speech: a physiological basis for auditory hallucinations. <i>Lancet</i> , The, 1995, 346, 596-600.	18.7	363
107	Decreases in Regional Cerebral Blood Flow with Normal Aging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 684-689.	4.3	362
108	Transplantation of fetal dopamine neurons in Parkinson's disease: One-year clinical and neurophysiological observations in two patients with putaminal implants. <i>Annals of Neurology</i> , 1992, 31, 155-165.	5.3	359

#	ARTICLE	IF	CITATIONS
109	Identifying global anatomical differences: Deformation-based morphometry. , 1998, 6, 348-357.		359
110	How the brain learns to see objects and faces in an impoverished context. Nature, 1997, 389, 596-599.	27.8	357
111	Conscious visual perception without V1. Brain, 1993, 116, 1293-1302.	7.6	354
112	The functional anatomy of a hysterical paralysis. Cognition, 1997, 64, B1-B8.	2.2	352
113	Expectancy and belief modulate the neuronal substrates of pain treated by acupuncture. NeuroImage, 2005, 25, 1161-1167.	4.2	344
114	Changes in regional cerebral blood flow on recovery from depression. Psychological Medicine, 1995, 25, 247-261.	4.5	341
115	BOLD fMRI Identifies Limbic, Paralimbic, and Cerebellar Activation During Air Hunger. Journal of Neurophysiology, 2002, 88, 1500-1511.	1.8	334
116	Age effects on the neural correlates of successful memory encoding. Brain, 2003, 126, 213-229.	7.6	331
117	The preparation, execution and suppression of copied movements in the human brain. Experimental Brain Research, 1998, 120, 386-398.	1.5	329
118	PET and MRA findings in cluster headache and MRA in experimental pain. Neurology, 2000, 55, 1328-1335.	1.1	327
119	Brain responses to changes in bladder volume and urge to void in healthy men. Brain, 2001, 124, 369-377.	7.6	326
120	Identification of the central vestibular projections in man: a positron emission tomography activation study. Experimental Brain Research, 1994, 99, 164-9.	1.5	323
121	Variability in fMRI: An Examination of Intersession Differences. NeuroImage, 2000, 11, 708-734.	4.2	317
122	Representation of the Temporal Envelope of Sounds in the Human Brain. Journal of Neurophysiology, 2000, 84, 1588-1598.	1.8	314
123	Localisation in PET Images: Direct Fitting of the Intercommissural (AC-PC) Line. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 690-695.	4.3	309
124	A Functional Neuroanatomy of Tics in Tourette Syndrome. Archives of General Psychiatry, 2000, 57, 741.	12.3	309
125	Cortical control of saccades and fixation in man A PET study. Brain, 1994, 117, 1073-1084.	7.6	306
126	Transplantation of fetal dopamine neurons in Parkinson's disease: PET {18F}6-L-fluorodopa studies in two patients with putaminal implants. Annals of Neurology, 1992, 31, 166-173.	5.3	304

#	ARTICLE	IF	CITATIONS
127	Neural mechanisms involved in the processing of global and local aspects of hierarchically organized visual stimuli. <i>Brain</i> , 1997, 120, 1779-1791.	7.6	304
128	Navigation expertise and the human hippocampus: A structural brain imaging analysis. <i>Hippocampus</i> , 2003, 13, 250-259.	1.9	304
129	A positron emission tomography study of essential tremor: Evidence for overactivity of cerebellar connections. <i>Annals of Neurology</i> , 1993, 34, 82-90.	5.3	295
130	Confirmation of functional zones within the human subthalamic nucleus: Patterns of connectivity and sub-parcellation using diffusion weighted imaging. <i>NeuroImage</i> , 2012, 60, 83-94.	4.2	294
131	Human brain activity during spontaneously reversing perception of ambiguous figures. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 2427-2433.	2.6	290
132	Functional anatomy of inner speech and auditory verbal imagery. <i>Psychological Medicine</i> , 1996, 26, 29-38.	4.5	285
133	Attention to pain localization and unpleasantness discriminates the functions of the medial and lateral pain systems. <i>European Journal of Neuroscience</i> , 2005, 21, 3133-3142.	2.6	284
134	Attention to action in Parkinson's disease. <i>Brain</i> , 2002, 125, 276-289.	7.6	283
135	Analysis of temporal structure in sound by the human brain. <i>Nature Neuroscience</i> , 1998, 1, 422-427.	14.8	282
136	Regional response differences within the human auditory cortex when listening to words. <i>Neuroscience Letters</i> , 1992, 146, 179-182.	2.1	281
137	Cerebral responses to pain in patients with atypical facial pain measured by positron emission tomography. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1994, 57, 1166-1172.	1.9	275
138	THE RELATIONSHIP BETWEEN LOCOMOTOR DISABILITY, AUTONOMIC DYSFUNCTION, AND THE INTEGRITY OF THE STRIATAL DOPAMINERGIC SYSTEM IN PATIENTS WITH MULTIPLE SYSTEM ATROPHY, PURE AUTONOMIC FAILURE, AND PARKINSON'S DISEASE, STUDIED WITH PET. <i>Brain</i> , 1990, 113, 1539-1552.	7.6	274
139	Brain activity during memory retrieval. <i>Brain</i> , 1996, 119, 1587-1596.	7.6	271
140	Rapid Assessment of Regional Cerebral Metabolic Abnormalities in Single Subjects with Quantitative and Nonquantitative [¹⁸ F]FDG PET: A Clinical Validation of Statistical Parametric Mapping. <i>NeuroImage</i> , 1999, 9, 63-80.	4.2	264
141	Functional Topography: Multidimensional Scaling and Functional Connectivity in the Brain. <i>Cerebral Cortex</i> , 1996, 6, 156-164.	2.9	262
142	Acute Remapping within the Motor System Induced by Low-Frequency Repetitive Transcranial Magnetic Stimulation. <i>Journal of Neuroscience</i> , 2003, 23, 5308-5318.	3.6	262
143	Regional specificity of MRI contrast parameter changes in normal ageing revealed by voxel-based quantification (VBQ). <i>NeuroImage</i> , 2011, 55, 1423-1434.	4.2	259
144	Cortical function in amyotrophic lateral sclerosis. <i>Brain</i> , 1993, 116, 655-680.	7.6	257

#	ARTICLE	IF	CITATIONS
145	THE LEFT MEDIAL TEMPORAL REGION AND SCHIZOPHRENIA: A PET STUDY. <i>Brain</i> , 1992, 115, 367-382.	7.6	256
146	Timeâ€dependent changes in effective connectivity measured with PET. <i>Human Brain Mapping</i> , 1993, 1, 69-79.	3.6	256
147	Cerebral representations for egocentric space: Functional-anatomical evidence from caloric vestibular stimulation and neck vibration. <i>Brain</i> , 2001, 124, 1182-1196.	7.6	253
148	Central nervous pathways mediating angina pectoris. <i>Lancet, The</i> , 1994, 344, 147-150.	13.7	252
149	Right parietal cortex is involved in the perception of sound movement in humans. <i>Nature Neuroscience</i> , 1998, 1, 74-79.	14.8	251
150	The relationship between abnormalities of cognitive function and cerebral activation in amyotrophic lateral sclerosis: A neuropsychological and positron emission tomography study. <i>Brain</i> , 1993, 116, 1399-1423.	7.6	250
151	The distribution of structural neuropathology in pre-clinical Huntington's disease. <i>Brain</i> , 2002, 125, 1815-1828.	7.6	247
152	The functional roles of prefrontal cortex in episodic memory. II. Retrieval. <i>Brain</i> , 1998, 121, 1249-1256.	7.6	246
153	Dorsolateral prefrontal cortex dysfunction in the major psychoses; symptom or disease specificity?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1993, 56, 1290-1294.	1.9	245
154	Deficits in cerebral glucose metabolism demonstrated by positron emission tomography in individuals at risk of familial Alzheimer's disease. <i>Neuroscience Letters</i> , 1995, 186, 17-20.	2.1	245
155	Human Primary Auditory Cortex Follows the Shape of Heschl's Gyrus. <i>Journal of Neuroscience</i> , 2011, 31, 14067-14075.	3.6	245
156	Neural correlates of voluntary breathing in humans. <i>Journal of Applied Physiology</i> , 2003, 95, 1170-1178.	2.5	244
157	Posterior Hypothalamic and Brainstem Activation in Hemicrania Continua. <i>Headache</i> , 2004, 44, 747-761.	3.9	244
158	Motor practice and neurophysiological adaptation in the cerebellum: a positron tomography study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1992, 248, 223-228.	2.6	243
159	A graded task approach to the functional mapping of brain areas implicated in auditoryâ€verbal memory. <i>Brain</i> , 1994, 117, 1271-1282.	7.6	243
160	Plastic Transformation of PET Images. <i>Journal of Computer Assisted Tomography</i> , 1991, 15, 634-639.	0.9	240
161	The Neural Correlates of Inner Speech and Auditory Verbal Imagery in Schizophrenia: Relationship to Auditory Verbal Hallucinations. <i>British Journal of Psychiatry</i> , 1996, 169, 148-159.	2.8	236
162	Differential activation of right and left posterior sylvian regions by semantic and phonological tasks: a positron-emission tomography study in normal human subjects. <i>Neuroscience Letters</i> , 1994, 182, 25-28.	2.1	235

#	ARTICLE	IF	CITATIONS
163	Predicting clinical scores from magnetic resonance scans in Alzheimer's disease. <i>NeuroImage</i> , 2010, 51, 1405-1413.	4.2	235
164	Two GCC boxes and AP2/ERF-domain transcription factor ORA59 in jasmonate/ethylene-mediated activation of the PDF1.2 promoter in Arabidopsis. <i>Plant Molecular Biology</i> , 2011, 75, 321-331.	3.9	233
165	Imaging hypnotic paralysis: implications for conversion hysteria. <i>Lancet, The</i> , 2000, 355, 986-987.	13.7	231
166	Detection of Thirty-Second Cognitive Activations in Single Subjects with Positron Emission Tomography: A New Low-Dose H ₂ ¹⁵ O Regional Cerebral Blood Flow Three-Dimensional Imaging Technique. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 617-629.	4.3	227
167	A PET study of cognitive strategies in normal subjects during language tasks. <i>Brain</i> , 1994, 117, 671-682.	7.6	224
168	<i>APOE</i> genotype, cholesterol level, lipid-lowering treatment, and dementia. <i>Neurology</i> , 2005, 64, 1531-1538.	1.1	223
169	Accuracy of dementia diagnosis—a direct comparison between radiologists and a computerized method. <i>Brain</i> , 2008, 131, 2969-2974.	7.6	222
170	Neural responses associated with cue evoked emotional states and heroin in opiate addicts. <i>Drug and Alcohol Dependence</i> , 2000, 60, 207-216.	3.2	221
171	Non-invasive mapping of corticofugal fibres from multiple motor areas—relevance to stroke recovery. <i>Brain</i> , 2006, 129, 1844-1858.	7.6	218
172	A Blueprint for Movement: Functional and Anatomical Representations in the Human Motor System. <i>Journal of Neuroscience</i> , 1999, 19, 8043-8048.	3.6	217
173	How can drug discovery for psychiatric disorders be improved?. <i>Nature Reviews Drug Discovery</i> , 2007, 6, 189-201.	46.4	217
174	Depression in Parkinson's Disease. <i>British Journal of Psychiatry</i> , 1994, 165, 333-339.	2.8	213
175	Regional cerebral blood flow abnormalities in depressed patients with cognitive impairment.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1992, 55, 768-773.	1.9	212
176	Thalamic stimulation and suppression of parkinsonian tremor. <i>Brain</i> , 1993, 116, 267-279.	7.6	211
177	Monitoring for target objects: activation of right frontal and parietal cortices with increasing time on task. <i>Neuropsychologia</i> , 1998, 36, 1325-1334.	1.6	206
178	The physiology of coloured hearing A PET activation study of colour-word synaesthesia. <i>Brain</i> , 1995, 118, 661-676.	7.6	205
179	Cross-Modal Plasticity Underpins Language Recovery after Cochlear Implantation. <i>Neuron</i> , 2001, 30, 657-664.	8.1	204
180	CORTICOBASAL DEGENERATION. <i>Brain</i> , 1991, 114, 541-556.	7.6	200

#	ARTICLE	IF	CITATIONS
181	Interpreting scan data acquired from multiple scanners: A study with Alzheimer's disease. <i>NeuroImage</i> , 2008, 39, 1180-1185.	4.2	200
182	In vivo disturbance of the oxidative metabolism of glucose in human cerebral gliomas. <i>Annals of Neurology</i> , 1983, 14, 614-626.	5.3	197
183	Attention to Action: Specific Modulation of Corticocortical Interactions in Humans. <i>NeuroImage</i> , 2002, 17, 988-998.	4.2	195
184	Learning to find your way: a role for the human hippocampal formation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996, 263, 1745-1750.	2.6	192
185	Dynamic Diaschisis: Anatomically Remote and Context-Sensitive Human Brain Lesions. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 419-429.	2.3	192
186	Patients with focal arm dystonia have increased sensitivity to slow-frequency repetitive TMS of the dorsal premotor cortex. <i>Brain</i> , 2003, 126, 2710-2725.	7.6	191
187	Going beyond the information given: the relation of illusory visual motion to brain activity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1993, 252, 215-222.	2.6	190
188	Active Representation of Shape and Spatial Location in Man. <i>Cerebral Cortex</i> , 1996, 6, 612-619.	2.9	190
189	Posterior hypothalamic activation in paroxysmal hemicrania. <i>Annals of Neurology</i> , 2006, 59, 535-545.	5.3	190
190	Neural Correlates of Visual-Motion Perception as Object- or Self-motion. <i>NeuroImage</i> , 2002, 16, 873-882.	4.2	188
191	Preliminary report: activation of the cerebellum in essential tremor. <i>Lancet, The</i> , 1990, 336, 1028-1030.	13.7	187
192	Activation of Human Hippocampal Formation During Memory for Faces: A Pet Study. <i>Cortex</i> , 1995, 31, 99-108.	2.4	187
193	Anatomic Constraints on Cognitive Theories of Category Specificity. <i>NeuroImage</i> , 2002, 15, 675-685.	4.2	187
194	Measurement of regional cerebral blood flow and oxygen utilisation in patients with cerebral tumours using ¹⁵ O and positron emission tomography: Analytical techniques and preliminary results. <i>Neuroradiology</i> , 1982, 23, 63-74.	2.2	182
195	The Functional Neuroanatomy of Temporal Discrimination. <i>Journal of Neuroscience</i> , 2004, 24, 2585-2591.	3.6	182
196	Silent Ischemia as a Central Problem: Regional Brain Activation Compared in Silent and Painful Myocardial Ischemia. <i>Annals of Internal Medicine</i> , 1996, 124, 939.	3.9	178
197	¹⁵ O POSITRON EMISSION TOMOGRAPHIC SCANNING IN PREDOMINANTLY NEVER-TREATED ACUTE SCHIZOPHRENIC PATIENTS. <i>Lancet, The</i> , 1983, 322, 1448-1452.	13.7	175
198	The cerebral activity related to the visual perception of forward motion in depth. <i>Brain</i> , 1994, 117, 1039-1054.	7.6	173

#	ARTICLE	IF	CITATIONS
199	The Effect of Varying Stimulus Rate and Duration on Brain Activity during Reading. <i>NeuroImage</i> , 1996, 3, 40-52.	4.2	172
200	Chronic pain: a PET study of the central effects of percutaneous high cervical cordotomy. <i>Pain</i> , 1991, 46, 9-12.	4.2	171
201	Dosage-sensitive X-linked locus influences the development of amygdala and orbitofrontal cortex, and fear recognition in humans. <i>Brain</i> , 2003, 126, 2431-2446.	7.6	168
202	Early visual deprivation induces structural plasticity in gray and white matter. <i>Current Biology</i> , 2005, 15, R488-R490.	3.9	167
203	Neurophysiological origin of human brain asymmetry for speech and language. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18688-18693.	7.1	167
204	Cortical and Subcortical Gray Matter Abnormalities in Schizophrenia Determined Through Structural Magnetic Resonance Imaging With Optimized Volumetric Voxel-Based Morphometry. <i>American Journal of Psychiatry</i> , 2002, 159, 1497-1505.	7.2	166
205	Macrophage and Astrocyte Populations in Relation to [³ H]PK 11195 Binding in Rat Cerebral Cortex following a Local Ischaemic Lesion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 314-322.	4.3	165
206	Improved segmentation of deep brain grey matter structures using magnetization transfer (MT) parameter maps. <i>NeuroImage</i> , 2009, 47, 194-198.	4.2	164
207	Inhibition of L-[¹⁸ F]fluorodopa uptake into human brain by amino acids demonstrated by positron emission tomography. <i>Annals of Neurology</i> , 1986, 20, 258-262.	5.3	163
208	HETEROGENEITY IN PROGRESSIVE APHASIA DUE TO FOCAL CORTICAL ATROPHY. <i>Brain</i> , 1990, 113, 1321-1336.	7.6	163
209	The neural regions sustaining object recognition and naming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996, 263, 1501-1507.	2.6	163
210	Delineating Necessary and Sufficient Neural Systems with Functional Imaging Studies of Neuropsychological Patients. <i>Journal of Cognitive Neuroscience</i> , 1999, 11, 371-382.	2.3	163
211	Use of PET Methods for Measurement of Cerebral Energy Metabolism and Hemodynamics in Cerebrovascular Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1989, 9, 723-742.	4.3	161
212	Striatal function in normal aging: Implications for Parkinson's disease. <i>Annals of Neurology</i> , 1990, 28, 799-804.	5.3	160
213	Alzheimer's patients engage an alternative network during a memory task. <i>Annals of Neurology</i> , 2005, 58, 870-879.	5.3	158
214	Brain regions supporting intentional and incidental memory. <i>NeuroReport</i> , 1997, 8, 1283-1287.	1.2	157
215	Functional mapping of activated human primary cortex with a clinical MR imaging system. <i>Radiology</i> , 1993, 188, 125-130.	7.3	156
216	Functional mapping of verbal memory and language. <i>Trends in Neurosciences</i> , 1994, 17, 109-115.	8.6	156

#	ARTICLE	IF	CITATIONS
217	Modulation of conscious experience by peripheral sensory stimuli. <i>Nature</i> , 1995, 376, 778-781.	27.8	154
218	Neuropsychological dysfunction in depression: the relationship to regional cerebral blood flow. <i>Psychological Medicine</i> , 1994, 24, 849-857.	4.5	153
219	The functional anatomy of recovery from auditory agnosia. <i>Brain</i> , 1995, 118, 1395-1409.	7.6	153
220	Two Modulatory Effects of Attention That Mediate Object Categorization in Human Cortex. <i>Science</i> , 1997, 275, 835-838.	12.6	153
221	White matter connections reflect changes in voluntary-guided saccades in pre-symptomatic Huntington's disease. <i>Brain</i> , 2008, 131, 196-204.	7.6	153
222	The Activity in Human Areas V1/V2, V3, and V5 during the Perception of Coherent and Incoherent Motion. <i>NeuroImage</i> , 1997, 5, 1-12.	4.2	147
223	Language functions explored in normal subjects by positron emission tomography: A critical review. <i>Human Brain Mapping</i> , 1993, 1, 39-47.	3.6	143
224	Anatomical Traces of Vocabulary Acquisition in the Adolescent Brain. <i>Journal of Neuroscience</i> , 2007, 27, 1184-1189.	3.6	141
225	Electroconvulsive therapy-induced brain plasticity determines therapeutic outcome in mood disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1156-1161.	7.1	141
226	Acute Cerebral Ischaemia: Concurrent Changes in Cerebral Blood Flow, Energy Metabolites, pH, and Lactate Measured with Hydrogen Clearance and ³¹ P and ¹ H Nuclear Magnetic Resonance Spectroscopy. II. Changes during Ischaemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987, 7, 394-402.	4.3	140
227	Brain energy metabolism and dopaminergic function in Huntington's disease measured in vivo using positron emission tomography. <i>Movement Disorders</i> , 1986, 1, 69-77.	3.9	139
228	Combination of Dynamic and Integral Methods for Generating Reproducible Functional CBF Images. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 675-686.	4.3	137
229	Investigating a network model of word generation with positron emission tomography. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1991, 244, 101-106.	2.6	137
230	The relationship between brain activity and peak grip force is modulated by corticospinal system integrity after subcortical stroke. <i>European Journal of Neuroscience</i> , 2007, 25, 1865-1873.	2.6	136
231	OBSESSIVE SLOWNESS. <i>Brain</i> , 1991, 114, 2191-2202.	7.6	135
232	Neural Correlates of Memory Retrieval during Recognition Memory and Cued Recall. <i>NeuroImage</i> , 1998, 8, 262-273.	4.2	135
233	Regional cerebral blood flow during volitional expiration in man: a comparison with volitional inspiration. <i>Journal of Physiology</i> , 1993, 461, 85-101.	2.9	134
234	A Theoretical Study of the Steady-State Model for Measuring Regional Cerebral Blood Flow and Oxygen Utilisation Using Oxygen-15. <i>Journal of Computer Assisted Tomography</i> , 1981, 5, 544-550.	0.9	133

#	ARTICLE	IF	CITATIONS
235	STEELE-RICHARDSON-OLSZEWSKI SYNDROME. <i>Brain</i> , 1988, 111, 615-630.	7.6	133
236	Multispectral brain morphometry in Tourette syndrome persisting into adulthood. <i>Brain</i> , 2010, 133, 3661-3675.	7.6	133
237	Cortical and subcortical control of tongue movement in humans: a functional neuroimaging study using fMRI. <i>Journal of Applied Physiology</i> , 1999, 86, 1468-1477.	2.5	130
238	Activation of reward circuitry in human opiate addicts. <i>European Journal of Neuroscience</i> , 1999, 11, 1042-1048.	2.6	128
239	Hemispheric specialization for global and local processing: the effect of stimulus category. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 487-494.	2.6	127
240	Functional plasticity of language-related brain areas after cochlear implantation. <i>Brain</i> , 2001, 124, 1307-1316.	7.6	126
241	Association of plasma amyloid β^2 with risk of dementia. <i>Neurology</i> , 2009, 73, 847-853.	1.1	126
242	Evidence for limbic system activation during CO ₂ -stimulated breathing in man. <i>Journal of Physiology</i> , 1995, 488, 77-84.	2.9	124
243	Monitoring by PET of macrophage accumulation in brain after ischaemic stroke. <i>Lancet, The</i> , 1992, 339, 1054-1055.	13.7	123
244	A multivariate analysis of PET activation studies. <i>Human Brain Mapping</i> , 1996, 4, 140-151.	3.6	123
245	Correction for the Presence of Intravascular Oxygen-15 in the Steady-State Technique for Measuring Regional Oxygen Extraction Ratio in the Brain: 2. Results in Normal Subjects and Brain Tumour and Stroke Patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1983, 3, 425-431.	4.3	122
246	Neural correlates of thinking in sign language. <i>NeuroReport</i> , 1997, 8, 695-698.	1.2	122
247	Frequency specific changes in regional cerebral blood flow and motor system connectivity following rTMS to the primary motor cortex. <i>NeuroImage</i> , 2005, 26, 164-176.	4.2	121
248	The Neural Structures Expressing Perceptual Hysteresis in Visual Letter Recognition. <i>Neuron</i> , 2002, 34, 659-666.	8.1	119
249	The Development, Past Achievements, and Future Directions of Brain PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1426-1454.	4.3	119
250	The influence of time after stroke on brain activations during a motor task. <i>Annals of Neurology</i> , 2004, 55, 829-834.	5.3	118
251	Introducing the Human Brain Project. <i>Procedia Computer Science</i> , 2011, 7, 39-42.	2.0	118
252	Grey matter correlates of syndromes in schizophrenia. <i>British Journal of Psychiatry</i> , 1997, 170, 406-410.	2.8	117

#	ARTICLE	IF	CITATIONS
253	Changes in global cerebral blood flow in humans: effect on regional cerebral blood flow during a neural activation task.. Journal of Physiology, 1993, 471, 521-534.	2.9	116
254	Differential recruitment of the speech processing system in healthy subjects and rehabilitated cochlear implant patients. Brain, 2000, 123, 1391-1402.	7.6	116
255	Assessment of cerebral haemodynamic reserve: correlation between PET parameters and CO2 reactivity measured by the intravenous 133 xenon injection technique.. Journal of Neurology, Neurosurgery and Psychiatry, 1988, 51, 1045-1050.	1.9	115
256	Neuroimaging in Stroke Recovery: A Position Paper from the First International Workshop on Neuroimaging and Stroke Recovery. Cerebrovascular Diseases, 2004, 18, 260-267.	1.7	115
257	Disturbance of oxidative metabolism of glucose in recent human cerebral infarcts. Annals of Neurology, 1983, 14, 627-637.	5.3	114
258	The Prefrontal Cortex shows Context-specific Changes in Effective Connectivity to Motor or Visual Cortex during the Selection of Action or Colour. Cerebral Cortex, 2004, 15, 85-95.	2.9	114
259	Characterizing the Relationship between BOLD Contrast and Regional Cerebral Blood Flow Measurements by Varying the Stimulus Presentation Rate. NeuroImage, 1997, 6, 270-278.	4.2	113
260	Asymmetrical pre-synaptic and post-synaptic changes in the striatal dopamine projection in dopa naïve parkinsonism. Brain, 1993, 116, 853-867.	7.6	110
261	The brain activity related to residual motion vision in a patient with bilateral lesions of V5. Brain, 1994, 117, 1023-1038.	7.6	110
262	The effect of handedness on the shape of the central sulcus. NeuroImage, 2012, 60, 332-339.	4.2	110
263	Imaging Plasticity in Cochlear Implant Patients. Audiology and Neuro-Otology, 2001, 6, 381-393.	1.3	109
264	The syndrome of gait ignition failure: A report of six cases. Movement Disorders, 1993, 8, 285-292.	3.9	108
265	Functional compensation of motor function in pre-symptomatic Huntington's disease. Brain, 2009, 132, 1624-1632.	7.6	106
266	Acute Cerebral Ischaemia: Concurrent Changes in Cerebral Blood Flow, Energy Metabolites, pH, and Lactate Measured with Hydrogen Clearance and 31P and 1H Nuclear Magnetic Resonance Spectroscopy. III. Changes following Ischaemia. Journal of Cerebral Blood Flow and Metabolism, 1988, 8, 816-821.	4.3	105
267	Normal variation in fronto-occipital circuitry and cerebellar structure with an autism-associated polymorphism of CNTNAP2. NeuroImage, 2010, 53, 1030-1042.	4.2	105
268	Deontological and altruistic guilt: Evidence for distinct neurobiological substrates. Human Brain Mapping, 2011, 32, 229-239.	3.6	105
269	CMRO ₂ and CBF by the Oxygen-15 Inhalation Technique. European Neurology, 1981, 20, 285-290.	1.4	104
270	THE CEREBRAL METABOLISM OF GLUCOSE AND OXYGEN MEASURED WITH POSITRON TOMOGRAPHY IN PATIENTS WITH MITOCHONDRIAL DISEASES. Brain, 1988, 111, 1009-1024.	7.6	104

#	ARTICLE	IF	CITATIONS
271	Progressive degeneration of the right temporal lobe studied with positron emission tomography.. Journal of Neurology, Neurosurgery and Psychiatry, 1990, 53, 1046-1050.	1.9	104
272	New tissue priors for improved automated classification of subcortical brain structures on MRI. NeuroImage, 2016, 130, 157-166.	4.2	104
273	Estimating Smoothness in Statistical Parametric Maps. Journal of Computer Assisted Tomography, 1995, 19, 788-796.	0.9	103
274	Lipid lowering agents are associated with a slower cognitive decline in Alzheimer's disease. Journal of Neurology, Neurosurgery and Psychiatry, 2005, 76, 1624-1629.	1.9	101
275	Dopa-responsive dystonia: [18F]dopa positron emission tomography. Annals of Neurology, 1991, 30, 24-30.	5.3	100
276	Reproducibility of PET Activation Studies: Lessons from a Multi-Center European Experiment. NeuroImage, 1996, 4, 34-54.	4.2	99
277	Differential brain activations during intentionally simulated and subjectively experienced paralysis. Cognitive Neuropsychiatry, 2003, 8, 295-312.	1.3	98
278	A bilateral cortico-bulbar network associated with breath holding in humans, determined by functional magnetic resonance imaging. NeuroImage, 2008, 40, 1824-1832.	4.2	98
279	Dose dependent occupancy of central dopamine D2 receptors by the novel neuroleptic CP-88,059-01: a study using positron emission tomography and 11C-raclopride. Psychopharmacology, 1993, 112, 308-314.	3.1	97
280	Quantitative Comparison of Functional Magnetic Resonance Imaging with Positron Emission Tomography Using a Force-Related Paradigm. NeuroImage, 1996, 4, 201-209.	4.2	97
281	An interictal study of partial epilepsy using positron emission tomography and the oxygen - 15 inhalation technique.. Journal of Neurology, Neurosurgery and Psychiatry, 1983, 46, 473-477.	1.9	96
282	The Neural Correlates of the Noradrenergic Modulation of Human Attention, Arousal and Learning. European Journal of Neuroscience, 1997, 9, 589-598.	2.6	96
283	Kallmann's syndrome. Neurology, 1999, 52, 816-816.	1.1	95
284	Hyperpnoea during and immediately after exercise in man: evidence of motor cortical involvement.. Journal of Physiology, 1995, 489, 663-675.	2.9	94
285	Chromosome 14 linked familial Alzheimer's disease. Brain, 1995, 118, 185-205.	7.6	92
286	Retinotopic Maps in Human Prestriate Visual Cortex: The Demarcation of Areas V2 and V3. NeuroImage, 1995, 2, 125-132.	4.2	91
287	Neural basis of generation of conclusions in elementary deduction. NeuroImage, 2007, 38, 752-762.	4.2	91
288	Automatic detection of preclinical neurodegeneration. Neurology, 2009, 72, 426-431.	1.1	91

#	ARTICLE	IF	CITATIONS
289	Measurement of human cerebral monoamine oxidase type B (MAO-B) activity with positron emission tomography (PET): a dose ranging study with the reversible inhibitor Ro 19-6327. <i>European Journal of Clinical Pharmacology</i> , 1991, 40, 169-173.	1.9	90
290	PET and SPECT functional imaging studies in Parkinsonian syndromes: from the lesion to its consequences. <i>NeuroImage</i> , 2004, 23, 1-16.	4.2	90
291	The appreciation of wine by sommeliers: a functional magnetic resonance study of sensory integration. <i>NeuroImage</i> , 2005, 25, 570-578.	4.2	90
292	How early can we predict Alzheimer's disease using computational anatomy?. <i>Neurobiology of Aging</i> , 2013, 34, 2815-2826.	3.1	90
293	The use of positron emission tomography in the clinical assessment of dementia. <i>Seminars in Nuclear Medicine</i> , 1992, 22, 233-246.	4.6	88
294	Neurobiological origin of spurious brain morphological changes: A quantitative MRI study. <i>Human Brain Mapping</i> , 2016, 37, 1801-1815.	3.6	87
295	Human cortical areas selectively activated by apparent sound movement. <i>Current Biology</i> , 1994, 4, 892-895.	3.9	85
296	Cerebral activation during the exertion of sustained static force in man. <i>NeuroReport</i> , 1996, 7, 2103-2110.	1.2	85
297	Aging is associated with contrasting changes in local and distant cortical connectivity in the human motor system. <i>NeuroImage</i> , 2006, 32, 747-760.	4.2	85
298	Altered brain mechanisms of emotion processing in pre-manifest Huntington's disease. <i>Brain</i> , 2012, 135, 1165-1179.	7.6	85
299	Cortical function in progressive lower motor neuron disorders and amyotrophic lateral sclerosis. <i>Neurology</i> , 1994, 44, 1101-1101.	1.1	85
300	Measuring the neuromodulatory effects of drugs in man with positron emission tomography. <i>Neuroscience Letters</i> , 1992, 141, 106-110.	2.1	84
301	The functional neuroimaging correlates of psychogenic versus organic dystonia. <i>Brain</i> , 2013, 136, 770-781.	7.6	83
302	Genetic Association and Brain Morphology Studies and the Chromosome 8p22 Pericentriolar Material 1 (PCM1) Gene in Susceptibility to Schizophrenia. <i>Archives of General Psychiatry</i> , 2006, 63, 844.	12.3	82
303	The effect of handedness on cortical motor activation during simple bilateral movements. <i>NeuroImage</i> , 2007, 34, 274-280.	4.2	81
304	Acute Cerebral Ischaemia: Concurrent Changes in Cerebral Blood Flow, Energy Metabolites, pH, and Lactate Measured with Hydrogen Clearance and ³¹ P and ¹ H Nuclear Magnetic Resonance Spectroscopy. I. Methodology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987, 7, 199-206.	4.3	80
305	Whose arm is it anyway? An fMRI case study of supernumerary phantom limb. <i>Brain</i> , 2002, 125, 1265-1274.	7.6	80
306	Activation of the human hippocampal formation during auditory-verbal long-term memory function. <i>Neuroscience Letters</i> , 1993, 163, 185-188.	2.1	79

#	ARTICLE	IF	CITATIONS
307	Familial Alzheimer's disease A pedigree with a mis-sense mutation in the amyloid precursor protein gene (amyloid precursor protein 717 valine → glycine). <i>Brain</i> , 1993, 116, 309-324.	7.6	78
308	Measurement of Glucose Utilisation with [18F]2-Fluoro-2-Deoxy-D-Glucose: A Comparison of Different Analytical Methods. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987, 7, 161-172.	4.3	76
309	Cerebral blood flow and metabolism of oxygen and glucose in young autistic adults. <i>Psychological Medicine</i> , 1988, 18, 823-831.	4.5	76
310	Motor recovery after acute ischaemic stroke: a metabolic study.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1992, 55, 990-996.	1.9	76
311	The time course of binding to striatal dopamine D2 receptors by the neuroleptic ziprasidone (CP-88,059-01) determined by positron emission tomography. <i>Psychopharmacology</i> , 1996, 124, 141-147.	3.1	76
312	The identification of presymptomatic parkinsonism: Clinical and {18F}dopa positron emission tomography studies in an irish kindred. <i>Annals of Neurology</i> , 1992, 32, 609-617.	5.3	75
313	A Two-Compartment Description and Kinetic Procedure for Measuring Regional Cerebral [¹¹ C]Nomifensine Uptake Using Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 307-316.	4.3	73
314	Measurement of Cerebral Monoamine Oxidase B Activity Using L-[11C]Deprenyl and Dynamic Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 545-556.	4.3	72
315	Alzheimer disease with cerebrovascular disease and vascular dementia: clinical features and course compared with Alzheimer disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009, 80, 133-139.	1.9	72
316	MP2RAGE Multiple Sclerosis Magnetic Resonance Imaging at 3 T. <i>Investigative Radiology</i> , 2012, 47, 346-352.	6.2	72
317	Diffuse Lewy body disease presenting with a supranuclear gaze palsy.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1991, 54, 159-161.	1.9	71
318	Progressive loss of speech output and orofacial dyspraxia associated with frontal lobe hypometabolism.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1991, 54, 351-357.	1.9	71
319	Neurobiological measures of human selective attention. <i>Neuropsychologia</i> , 2001, 39, 1257-1262.	1.6	69
320	Irritability in pre-clinical Huntington's disease. <i>Neuropsychologia</i> , 2010, 48, 549-557.	1.6	68
321	Nurture versus Nature: Long-Term Impact of Forced Right-Handedness on Structure of Pericentral Cortex and Basal Ganglia. <i>Journal of Neuroscience</i> , 2010, 30, 3271-3275.	3.6	68
322	Disentangling in vivo the effects of iron content and atrophy on the ageing human brain. <i>NeuroImage</i> , 2014, 103, 280-289.	4.2	68
323	[3H]PK 11195 and the localisation of secondary thalamic lesions following focal ischaemia in rat motor cortex. <i>Neuroscience Letters</i> , 1991, 133, 20-24.	2.1	67
324	Localization of responses to pain in human cerebral cortex. <i>Science</i> , 1992, 255, 215-216.	12.6	67

#	ARTICLE	IF	CITATIONS
325	A Multivariate Analysis of Evoked Responses in EEG and MEG Data. <i>NeuroImage</i> , 1996, 3, 167-174.	4.2	67
326	Human cerebral activity with increasing inspiratory force: a study using positron emission tomography. <i>Journal of Applied Physiology</i> , 1996, 81, 1295-1305.	2.5	67
327	Functional Imaging of the Auditory System: The Use of Positron Emission Tomography. <i>Audiology and Neuro-Otology</i> , 2002, 7, 251-276.	1.3	67
328	Generative FDG-PET and MRI Model of Aging and Disease Progression in Alzheimer's Disease. <i>PLoS Computational Biology</i> , 2013, 9, e1002987.	3.2	67
329	The neural correlates of 'deaf-hearing' in man: Conscious sensory awareness enabled by attentional modulation. <i>Brain</i> , 2000, 123, 532-545.	7.6	66
330	Clinical and Positron Emission Tomographic Studies in the 'Extrapyramidal Syndrome' of Dementia of the Alzheimer Type. <i>Archives of Neurology</i> , 1990, 47, 1318-1323.	4.5	65
331	Magnetic resonance imaging of Huntington's disease: preparing for clinical trials. <i>Neuroscience</i> , 2009, 164, 205-219.	2.3	64
332	Automated detection of white matter and cortical lesions in early stages of multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1445-1454.	3.4	64
333	Acute Changes in Frontoparietal Activity after Repetitive Transcranial Magnetic Stimulation over the Dorsolateral Prefrontal Cortex in a Cued Reaction Time Task. <i>Journal of Neuroscience</i> , 2006, 26, 9629-9638.	3.6	63
334	Relationship between imaging biomarkers, age, progression and symptom severity in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2013, 3, 84-94.	2.7	63
335	A Functional Neuroimaging Description of Two Deep Dyslexic Patients. <i>Journal of Cognitive Neuroscience</i> , 1998, 10, 303-315.	2.3	62
336	Genotype-phenotype interactions in primary dystonias revealed by differential changes in brain structure. <i>NeuroImage</i> , 2009, 47, 1141-1147.	4.2	62
337	Mirror movements in X-linked Kallmann's syndrome. II. A PET study. <i>Brain</i> , 1997, 120, 1217-1228.	7.6	61
338	The sensory guidance of movement: a comparison of the cerebellum and basal ganglia. <i>Experimental Brain Research</i> , 1996, 112, 462-74.	1.5	60
339	A voxel-based morphometric study of ageing in 465 normal adult human brains. , 0, , .		60
340	The neural basis of temporal auditory discrimination. <i>NeuroImage</i> , 2006, 30, 512-520.	4.2	60
341	Longitudinal Changes in Cerebral Response to Proprioceptive Input in Individual Patients after Stroke: An fMRI Study. <i>Neurorehabilitation and Neural Repair</i> , 2006, 20, 398-405.	2.9	60
342	A Statistical Study of the Steady State Technique for Measuring Regional Cerebral Blood Flow and Oxygen Utilisation Using ¹⁵ O. <i>Journal of Computer Assisted Tomography</i> , 1982, 6, 566-573.	0.9	59

#	ARTICLE	IF	CITATIONS
343	The C ¹⁵ O ₂ Build-up Technique to Measure Regional Cerebral Blood Flow and Volume of Distribution of Water. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1989, 9, 461-470.	4.3	59
344	Multiparametric brainstem segmentation using a modified multivariate mixture of Gaussians. <i>NeuroImage: Clinical</i> , 2013, 2, 684-694.	2.7	58
345	Measurement of CBF and CMRO ₂ using the continuous inhalation of C ¹⁵ O ₂ and ¹⁵ O ₂ . <i>Journal of the Neurological Sciences</i> , 1981, 50, 381-389.	0.6	57
346	Reorganization of the Executive Motor System after Stroke. <i>Cerebrovascular Diseases</i> , 1997, 7, 187-200.	1.7	57
347	Psychogenic seizures and frontal disconnection: EEG synchronisation study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 505-511.	1.9	57
348	A study of cerebral blood flow and metabolism in epileptic psychosis using positron emission tomography and oxygen.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1985, 48, 201-206.	1.9	56
349	Ipsilateral blepharospasm and contralateral hemidystonia and parkinsonism in a patient with a unilateral rostral brainstem- thalamic lesion: Structural and functional abnormalities studied with CT, MRI, and PET scanning. <i>Movement Disorders</i> , 1986, 1, 51-58.	3.9	56
350	Evolution of source EEG synchronization in early Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013, 34, 694-705.	3.1	56
351	Can Left-Handedness be Switched? Insights from an Early Switch of Handwriting. <i>Journal of Neuroscience</i> , 2007, 27, 7847-7853.	3.6	55
352	Cardiopulmonary Blood Volume in Borderline Hypertension. <i>Clinical Science and Molecular Medicine</i> , 1974, 47, 153-164.	0.8	54
353	The effect of the muscarinic antagonist scopolamine on regional cerebral blood flow during the performance of a memory task. <i>Experimental Brain Research</i> , 1995, 104, 337-48.	1.5	54
354	In Vivo Binding to Peripheral Benzodiazepine Binding Sites in Lesioned Rat Brain: Comparison Between [³ H]PK11195 and [¹⁸ F]PK14105 as Markers for Neuronal Damage. <i>Journal of Neurochemistry</i> , 1990, 55, 175-185.	3.9	53
355	The functional anatomy of cerebral reorganisation after focal brain injury. <i>Journal of Physiology (Paris)</i> , 2006, 99, 425-436.	2.1	53
356	Conditional and syllogistic deductive tasks dissociate functionally during premise integration. <i>Human Brain Mapping</i> , 2010, 31, 1430-1445.	3.6	53
357	Low-Frequency Transcranial Magnetic Stimulation over Left Dorsal Premotor Cortex Improves the Dynamic Control of Visuospatially Cued Actions. <i>Journal of Neuroscience</i> , 2010, 30, 9216-9223.	3.6	53
358	The effect of the dopamine agonist, apomorphine, on regional cerebral blood flow in normal volunteers. <i>Psychological Medicine</i> , 1993, 23, 605-613.	4.5	52
359	Glucose Transport across the Blood-Brain Barrier in Normal Human Subjects and Patients with Cerebral Tumours Studied Using [¹¹ C]3-O-Methyl-D-Glucose and Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1986, 6, 230-239.	4.3	51
360	Comparison of regional cerebral blood flow with transcranial magnetic stimulation at different forces. <i>Journal of Applied Physiology</i> , 1996, 81, 596-603.	2.5	50

#	ARTICLE	IF	CITATIONS
361	Characterizing Aging in the Human Brainstem Using Quantitative Multimodal MRI Analysis. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 462.	2.0	50
362	A new early and automated MRI-based predictor of motor improvement after stroke. <i>Neurology</i> , 2012, 79, 39-46.	1.1	49
363	No evidence for transhemispheric diaschisis after human cerebral infarction.. <i>Stroke</i> , 1986, 17, 853-861.	2.0	47
364	Is there a relation between APOE expression and brain amyloid load in Alzheimer's disease?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 928-933.	1.9	47
365	Outcome Prediction of Consciousness Disorders in the Acute Stage Based on a Complementary Motor Behavioural Tool. <i>PLoS ONE</i> , 2016, 11, e0156882.	2.5	47
366	The functional nature of cerebellar diaschisis.. <i>Stroke</i> , 1990, 21, 1365-1369.	2.0	46
367	PET and plasma pharmacokinetic studies after bolus intravenous administration of [11C]melatonin in humans. <i>International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology</i> , 1991, 18, 357-362.	0.3	46
368	The Effect of Apomorphine and Buspirone on Regional Cerebral Blood Flow During the Performance of a Cognitive Task—Measuring Neuromodulatory Effects of Psychotropic Drugs in Man. <i>European Journal of Neuroscience</i> , 1992, 4, 1203-1212.	2.6	46
369	Positron Tomography in Ischemic Cerebrovascular Disease. <i>Neurologic Clinics</i> , 1983, 1, 183-200.	1.8	46
370	Motor imagery—Anatomical representation and electrophysiological characteristics. <i>Neurochemical Research</i> , 1996, 21, 1105-1116.	3.3	45
371	The distribution of cerebral activity related to visuomotor coordination indicating perceptual and executional specialization. <i>Cognitive Brain Research</i> , 1999, 8, 45-59.	3.0	45
372	The future of human cerebral cartography: a novel approach. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140171.	4.0	45
373	Intracranial Vessels in Trigeminal Transmitted Pain: A PET Study. <i>NeuroImage</i> , 1999, 9, 453-460.	4.2	44
374	Properties of functional brain networks correlate with frequency of psychogenic non-epileptic seizures. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 335.	2.0	44
375	Sites of action of morphine in the brain. <i>Lancet, The</i> , 1991, 338, 825.	13.7	43
376	Principal component analysis learning algorithms: a neurobiological analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1993, 254, 47-54.	2.6	43
377	Large scale brain activations predict reasoning profiles. <i>NeuroImage</i> , 2012, 59, 1752-1764.	4.2	43
378	Alzheimer's Disease Families with Amyloid Precursor Protein Mutationsa. <i>Annals of the New York Academy of Sciences</i> , 1993, 695, 198-202.	3.8	42

#	ARTICLE	IF	CITATIONS
379	Imaging Transient, Randomly Occurring Neuropsychological Events in Single Subjects with Positron Emission Tomography: An Event-Related Count Rate Correlational Analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 771-782.	4.3	41
380	Inhibition in early Alzheimer's disease: An fMRI-based study of effective connectivity. <i>NeuroImage</i> , 2011, 57, 1131-1139.	4.2	41
381	Demyelination in Mild Cognitive Impairment Suggests Progression Path to Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e72759.	2.5	41
382	Regional cerebral activity associated with the incidental processing of pseudo-words. <i>Human Brain Mapping</i> , 1995, 3, 153-160.	3.6	40
383	Emission tomography contribution to clinical neurology. <i>Clinical Neurophysiology</i> , 1999, 110, 2-23.	1.5	39
384	Functional imaging of the brain. <i>Seminars in Nuclear Medicine</i> , 1987, 17, 214-229.	4.6	38
385	Fetal brain grafts and Parkinson's disease. <i>Science</i> , 1990, 250, 1434-1435.	12.6	38
386	Positron emission tomography of the brain: new possibilities for the investigation of human cerebral pathophysiology. <i>Progress in Neurobiology</i> , 1984, 23, 1-38.	5.7	36
387	Effect of smoking cessation on lipoprotein A-I and lipoprotein A-I:A-II levels. <i>Metabolism: Clinical and Experimental</i> , 1997, 46, 711-715.	3.4	36
388	Is Multivariate Analysis of PET Data More Revealing Than the Univariate Approach? Evidence from a Study of Episodic Memory Retrieval. <i>NeuroImage</i> , 1996, 3, 209-215.	4.2	35
389	Transient phase-locking and dynamic correlations: Are they the same thing?. , 1997, 5, 48-57.		34
390	Regional Cerebral Blood Flow and Oxygen Metabolism in Dementia due to Vascular Disease. <i>Gerontology</i> , 1986, 32, 84-88.	2.8	34
391	The timing of visual evoked potential activity in human area V4. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1994, 257, 99-104.	2.6	33
392	Do we need to revise the tripartite subdivision hypothesis of the human subthalamic nucleus (STN)? Response to Alkemade and Forstmann. <i>NeuroImage</i> , 2015, 110, 1-2.	4.2	33
393	The angiotensin I converting enzyme gene as a susceptibility factor for dementia. <i>Neurology</i> , 2001, 56, 1593-1595.	1.1	33
394	A Method to Quantitate the Fractional Extraction of Rubidium-82 across the Blood-Brain Barrier Using Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1984, 4, 523-534.	4.3	32
395	Positron emission tomographic studies in aging and cerebrovascular disease at hammersmith hospital. <i>Annals of Neurology</i> , 1984, 15, 112-118.	5.3	32
396	Variation of tryptophan-5-hydroxylase concentration in the rat raphe dorsalis nucleus afterp-chlorophenylalanine administration. II. Anatomical distribution of the tryptophan-5-hydroxylase protein and regional variation of its turnover rate. <i>Brain Research</i> , 1990, 536, 46-55.	2.2	32

#	ARTICLE	IF	CITATIONS
397	Has a new color area been discovered?. <i>Nature Neuroscience</i> , 1998, 1, 335-335.	14.8	32
398	Regional cerebral oxygen utilization and blood flow in normal man using oxygen-15 and positron emission tomography. <i>Acta Neurologica Scandinavica</i> , 1980, 62, 336-344.	2.1	32
399	Weakened functional connectivity in patients with psychogenic non-epileptic seizures (PNES) converges on basal ganglia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 332-337.	1.9	32
400	The metabolic effects of limbic leucotomy in Gilles de la Tourette syndrome.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1993, 56, 1016-1019.	1.9	30
401	Changes in cerebral morphology consequent to peripheral autonomic denervation. <i>NeuroImage</i> , 2003, 18, 908-916.	4.2	30
402	Interregional compensatory mechanisms of motor functioning in progressing preclinical neurodegeneration. <i>NeuroImage</i> , 2013, 75, 146-154.	4.2	30
403	Clinical and Neuroimaging Features of Familial Alzheimer's Disease. <i>Annals of the New York Academy of Sciences</i> , 1996, 777, 49-56.	3.8	29
404	Influence of magnetic field strength and image registration strategy on voxel-based morphometry in a study of Alzheimer's disease. <i>Human Brain Mapping</i> , 2014, 35, 1865-1874.	3.6	29
405	Neuroticism, depression, and anxiety traits exacerbate the state of cognitive impairment and hippocampal vulnerability to Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 7, 107-114.	2.4	29
406	PET and movement disorders.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1989, 52, 68-77.	1.9	27
407	Effect of the 5-HT1A partial agonist buspirone on regional cerebral blood flow in man. <i>Psychopharmacology</i> , 1992, 108, 380-386.	3.1	27
408	Positron Emission Tomography in Familial Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 1995, 9, 17-20.	1.3	27
409	Pharmacological and functional evidence for extracellular 3,4-dihydroxyphenylacetic acid as an index of metabolic activity of the adrenergic neurons: An in vivo voltammetry study in the rat rostral ventrolateral medulla. <i>Neuroscience</i> , 1990, 37, 421-430.	2.3	26
410	Evidence for the association of the S100 β gene with low cognitive performance and dementia in the elderly. <i>Molecular Psychiatry</i> , 2007, 12, 870-880.	7.9	26
411	Reference Cluster Normalization Improves Detection of Frontotemporal Lobar Degeneration by Means of FDG-PET. <i>PLoS ONE</i> , 2013, 8, e55415.	2.5	25
412	Positron Emission Tomography in the Study of Brain Metabolism in Psychiatric and Neuropsychiatric Disorders. <i>British Journal of Psychiatry</i> , 1990, 157, 82-95.	2.8	24
413	Spontaneous dissections of the internal carotid artery: appearances on colour Doppler ultrasound.. <i>British Journal of Radiology</i> , 1997, 70, 50-57.	2.2	23
414	Putaminal activity is related to perceptual certainty. <i>NeuroImage</i> , 2008, 41, 123-129.	4.2	23

#	ARTICLE	IF	CITATIONS
415	Sub-cortical and brainstem sites associated with chemo-stimulated increases in ventilation in humans. <i>NeuroImage</i> , 2010, 49, 2526-2535.	4.2	23
416	CEREBRAL HAEMODYNAMICS IN OCCLUSIVE CAROTID-ARTERY DISEASE. <i>Lancet, The</i> , 1985, 325, 933-934.	13.7	21
417	Lithium intoxication.. <i>BMJ: British Medical Journal</i> , 1991, 302, 1267-1269.	2.3	21
418	Cerebral Blood Flow and Metabolism Studies in Multi-Infarct Dementia. <i>Alzheimer Disease and Associated Disorders</i> , 1991, 5, 131-143.	1.3	21
419	Langerhans' cell histiocytosis and the nervous system. <i>Journal of Neurology</i> , 1992, 239, 345-350.	3.6	21
420	Anti-basal ganglia antibodies and Tourette's syndrome: a voxel-based morphometry and diffusion tensor imaging study in an adult population. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008, 79, 820-822.	1.9	21
421	Late onset post-traumatic hypothalamic hypothermia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1983, 46, 72-74.	1.9	20
422	Entropy and Cortical Activity: Information Theory and PET Findings. <i>Cerebral Cortex</i> , 1992, 2, 259-267.	2.9	19
423	The Very Low Density Lipoprotein (VLDL) Receptor Is a Genetic Susceptibility Factor for Alzheimer Disease in a European Caucasian Population. <i>Alzheimer Disease and Associated Disorders</i> , 1998, 12, 368-371.	1.3	19
424	Voxel-Based Morphometry in Hypocretin-Deficient Narcolepsy. <i>Sleep</i> , 2003, , .	1.1	19
425	A comparison between regional cerebral blood flow measurements obtained in human subjects using ¹¹ C-methylalbumin microspheres, the C ¹⁵ O ₂ steady-state method, and positron emission tomography. <i>Acta Neurologica Scandinavica</i> , 1986, 73, 415-422.	2.1	18
426	Regional cerebral metabolic activity in chronic schizophrenia. <i>Schizophrenia Research</i> , 1990, 3, 23-24.	2.0	18
427	The impact of brain imaging technology on our understanding of motor function and dysfunction. <i>Current Opinion in Neurobiology</i> , 1999, 9, 728-734.	4.2	18
428	Genetic Analysis of Synphilin-1 in Familial Parkinson's Disease. <i>Neurobiology of Disease</i> , 2001, 8, 317-323.	4.4	18
429	Anatomical Modularity of Verbal Working Memory? Functional Anatomical Evidence from a Famous Patient with Short-Term Memory Deficits. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 231.	2.0	17
430	A Critique of a New Analysis Proposed for Functional Neuroimaging. <i>European Journal of Neuroscience</i> , 1996, 8, 2229-2231.	2.6	16
431	Brain plasticity dynamics during tactile Braille learning in sighted subjects: Multi-contrast MRI approach. <i>NeuroImage</i> , 2021, 227, 117613.	4.2	16
432	Studies on cerebral blood flow and oxygen metabolism in patients with established cerebral infarcts undergoing omental transposition.. <i>Stroke</i> , 1987, 18, 46-51.	2.0	15

#	ARTICLE	IF	CITATIONS
433	Activation of Limbic Structures during CO2-Stimulated Breathing in Awake Man. <i>Advances in Experimental Medicine and Biology</i> , 1995, 393, 331-334.	1.6	15
434	Data protection regulation and the promotion of health research: getting the balance right. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2014, 107, 3-5.	0.5	14
435	Overcoming fragmentation of health research in Europe: lessons from COVID-19. <i>Lancet, The</i> , 2020, 395, 1970-1971.	13.7	14
436	Recovery of biological motion perception and network plasticity after cerebellar tumor removal. <i>Cortex</i> , 2014, 59, 146-152.	2.4	13
437	Chapter 5 Measurement and imaging of cerebral function in ageing and dementia. <i>Progress in Brain Research</i> , 1986, 70, 69-85.	1.4	12
438	Primary progressive multifocal leukoencephalopathy presenting as an extrapyramidal syndrome. <i>Journal of Neurology</i> , 1995, 243, 91-95.	3.6	12
439	PET scanning: can it help resolve management issues in cerebral ischemic disease?. <i>Stroke</i> , 1986, 17, 803-807.	2.0	11
440	Plasticity and the Human Brain: Insights from Functional Imaging. <i>Neuroscientist</i> , 1996, 2, 353-362.	3.5	10
441	Neuroimaging in European academic neurology: present status and future organization. European Federation of Neurological Societies Task Force on Neuroimaging*. <i>European Journal of Neurology</i> , 1998, 5, 5-15.	3.3	10
442	A plea for confidence intervals and consideration of generalizability in diagnostic studies. <i>Brain</i> , 2008, 132, e102-e102.	7.6	10
443	The Pathophysiology of Human Cerebral Ischaemia: A New Perspective Obtained with Positron Tomography. <i>QJM - Monthly Journal of the Association of Physicians</i> , 1985, , .	0.5	9
444	Towards a New Mapping of Brain Cortex Function. <i>Cerebrovascular Diseases</i> , 2004, 17, 35-38.	1.7	9
445	Lost in translation. <i>F1000Research</i> , 2018, 7, 620.	1.6	9
446	The Neuroanatomy of Verbal Working Memory in Schizophrenia: A Voxel-Based Morphometry Study. <i>Clinical Schizophrenia and Related Psychoses</i> , 2008, 2, 79-87.	1.4	9
447	New methods in brain imaging. <i>Psychological Medicine</i> , 1986, 16, 241-245.	4.5	8
448	Hemiplegia in Pregnancy due to Metastatic Cerebral Angiosarcoma. <i>European Neurology</i> , 1994, 34, 295-297.	1.4	8
449	Scientific Panel for Health: better research for better health. <i>Lancet, The</i> , 2016, 388, 865-866.	13.7	8
450	A double blind clinical trial of Iloprost during cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 1987, 2, 271-276.	1.0	7

#	ARTICLE	IF	CITATIONS
451	PET: Studies in dementia. <i>Psychiatry Research</i> , 1989, 29, 353-355.	3.3	7
452	Binding under Conflict Conditions: State-Dependent Space Analysis of Multivariate EEG Synchronization. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2363-2375.	2.3	7
453	The influence of microsatellite polymorphisms in sex steroid receptor genes ESR1, ESR2 and AR on sex differences in brain structure. <i>NeuroImage</i> , 2020, 221, 117087.	4.2	7
454	PET scanning.. <i>BMJ: British Medical Journal</i> , 1989, 298, 693-694.	2.3	6
455	Inhibition of brain monoamine oxidase-B by Ro19-6327 in vivo measurement using positron emission tomography. <i>European Journal of Pharmacology</i> , 1990, 183, 166.	3.5	6
456	Brain activity during stimulus independent thought. <i>Schizophrenia Research</i> , 1997, 24, 169.	2.0	6
457	Functional Imaging of Recovery from Stroke: A Review of Personal Experience. <i>Cerebrovascular Diseases</i> , 1999, 9, 23-28.	1.7	6
458	Imaging hypnotic paralysis. <i>Lancet, The</i> , 2000, 356, 162-163.	13.7	6
459	Assessment of the effect of mineralogy on the geotechnical parameters of clayey soils: A case study for the Orta County, Ankara, Turkey. <i>Applied Clay Science</i> , 2018, 164, 44-53.	5.2	6
460	Residual biliary calculi: dispersal by irrigation of common bile duct.. <i>BMJ: British Medical Journal</i> , 1975, 4, 737-738.	2.3	5
461	In Reply: Fetal Brain Grafts and Parkinson's Disease. <i>Science</i> , 1990, 250, 1435-1435.	12.6	5
462	Cortical function in progressive muscular atrophy and amyotrophic lateral sclerosis. <i>Journal of the Neurological Sciences</i> , 1994, 124, 72.	0.6	5
463	Gene deletion mapping of the X chromosome. <i>NeuroImage</i> , 2001, 13, 793.	4.2	5
464	Human brain activity during spontaneously reversing perception of ambiguous figures. , 0, , .		5
465	Measurement of Regional Cerebral Blood Flow, Oxygen Extraction Ratio and Oxygen Utilization in Stroke Patients Using Positron Emission Tomography. <i>Experimental Brain Research Supplementum</i> , 1982, Suppl 5, 182-186.	1.0	5
466	Imaging hypnotic paralysis. <i>Lancet, The</i> , 2000, 356, 163.	13.7	4
467	Cortical regions associated with the sense of justice and legal rules. <i>NeuroImage</i> , 2001, 13, 473.	4.2	4
468	Cerebral Energy Relationships in Dementia: A Prospective Study with Positron Emission Tomography. <i>Experimental Brain Research Supplementum</i> , 1982, Suppl 5, 177-181.	1.0	4

#	ARTICLE	IF	CITATIONS
469	A Neural Substrate For Musical Hallucinosis. <i>Neurocase</i> , 1997, 3, 167-172.	0.6	4
470	A Short Introduction to Positron Emission Tomography. <i>Seminars in Neurology</i> , 1989, 9, 275-280.	1.4	3
471	The effect of apomorphine on regional cerebral blood flow in normal volunteers. <i>Schizophrenia Research</i> , 1992, 6, 149.	2.0	3
472	The physiology of coloured hearing. A PET activation study of colour-word synaesthesia. <i>Brain</i> , 1995, 118, 1073-1073.	7.6	3
473	The prefrontal cortex: Response selection or maintenance within working memory?. , 0, , .		3
474	Long term effect of RU24722 on tyrosine hydroxylase in the rat locus coeruleus: differential effects of two enantiomeric forms. <i>Neurochemistry International</i> , 1993, 23, 567-574.	3.8	2
475	The functional neuroanatomy of bimodal hallucinations in a drug-naive schizophrenic. <i>Biological Psychiatry</i> , 1995, 37, 631.	1.3	2
476	Functional anatomy of inner speech and auditory verbal imagery. <i>Schizophrenia Research</i> , 1995, 15, 91-92.	2.0	2
477	A functional neuroanatomy of involuntary action in Tourette's syndrome. <i>NeuroImage</i> , 1996, 3, S600.	4.2	2
478	Functional Brain Imaging. <i>Radiation Protection Dosimetry</i> , 1996, 68, 55-61.	0.8	2
479	A pet study of formal thought disorder. <i>Schizophrenia Research</i> , 1997, 24, 169.	2.0	2
480	Dynamic diaschisis: Anatomically remote and context-sensitive human brain lesions. , 0, , .		2
481	Positron Emission Tomography. <i>Ophthalmology</i> , 2012, 119, 1496-1497.e1.	5.2	2
482	Federating and Integrating What We Know About the Brain at All Scales: Computer Science Meets the Clinical Neurosciences. <i>Research and Perspectives in Neurosciences</i> , 2016, , 157-170.	0.4	2
483	Medical students. West Germany.. <i>BMJ: British Medical Journal</i> , 1973, 4, 481-482.	2.3	1
484	Measurement of local haematocrit, energy metabolism and haemodynamics in cerebral ischaemia with positron tomography. <i>Acta Neurologica Scandinavica</i> , 1989, 80, 14-21.	2.1	1
485	Disseminated actinomycosis.. <i>BMJ: British Medical Journal</i> , 1990, 301, 1323-1324.	2.3	1
486	Ageing and brain: clinical perspectives of PET. <i>Technology and Health Care</i> , 1993, 1, 11-17.	1.2	1

#	ARTICLE	IF	CITATIONS
487	Carpopedal Spasm as Presenting Feature of Adult Moyamoya Disease. <i>Cerebrovascular Diseases</i> , 1994, 4, 106-107.	1.7	1
488	Activity in human areas V1/V2, V3 and V5 during the perception of coherent and incoherent motion. <i>NeuroImage</i> , 1996, 3, S289.	4.2	1
489	Disordered brain functional connectivity during hallucinations in a schizophrenic patient. <i>Biological Psychiatry</i> , 1996, 39, 516.	1.3	1
490	5HT2 and D2 receptor occupancy of ziprasidone in healthy volunteers. <i>Schizophrenia Research</i> , 1997, 24, 178.	2.0	1
491	Neurosarcoidosis mimicking meningioma en plaque: report of two cases and review of the literature. <i>European Journal of Neurology</i> , 1997, 4, 307-314.	3.3	1
492	The Study of Human Disease with Brain Mapping Methods. , 2000, , 3-31.		1
493	Variability in fMRI: An examination of intersession differences. , 0, , .		1
494	Functional neuroimaging. , 2006, , 56-68.		1
495	The Language of Neurology: Symptoms, Signs and Basic Investigations. , 0, , 75-107.		1
496	NeuroImage Anniversary Issue. <i>NeuroImage</i> , 2012, 61, 323.	4.2	1
497	Eyes on the prize. <i>New Scientist</i> , 2014, 223, 28-29.	0.0	1
498	A multivariate analysis of PET activation studies. <i>Human Brain Mapping</i> , 1996, 4, 140-151.	3.6	1
499	Patterns of Cerebral Metabolism in Degenerative Dementia. , 1990, , 121-128.		1
500	The Functional Architecture of the Brain. , 2017, , 105-130.		1
501	Medical students. Great Britain.. <i>BMJ: British Medical Journal</i> , 1973, 4, 481-481.	2.3	0
502	The Study of Acute Cerebral Ischaemia in Man Using Positron Emission Tomography. <i>Clinical Science</i> , 1982, 62, 53P-54P.	4.3	0
503	Oxygen metabolism in the dementias. <i>Journal of Neural Transmission Parkinson's Disease and Dementia Section</i> , 1989, 1, 33-33.	1.2	0
504	Silent Embolic Cerebral Infarction in Infective Endocarditis. <i>Clinical Science</i> , 1990, 79, 27P-27P.	0.0	0

#	ARTICLE	IF	CITATIONS
505	In vivo functional imaging of human brain ischaemia. <i>European Neuropsychopharmacology</i> , 1991, 1, 242-243.	0.7	0
506	In vivo monitoring of tissue function and metabolism using positron emission tomography. <i>Livestock Science</i> , 1991, 27, 35-41.	1.2	0
507	Update on functional neuro-imaging. <i>Italian Journal of Neurological Sciences</i> , 1994, 15, 131-133.	0.1	0
508	Depression in parkinson's disease: A pet study. <i>Biological Psychiatry</i> , 1994, 35, 685-686.	1.3	0
509	Imaging and Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 1995, 9, 5.	1.3	0
510	Introduction: Imaging the brain. <i>Seminars in Neuroscience</i> , 1995, 7, 147-148.	2.2	0
511	Correlation between grey matter volume and syndrome scores in schizophrenia: A data-led approach. <i>Schizophrenia Research</i> , 1996, 18, 189.	2.0	0
512	Dopaminergic modulation of abnormal brain activations in untreated schizophrenia. <i>Schizophrenia Research</i> , 1996, 18, 193.	2.0	0
513	Mapping cognitive processes in the human brain. <i>International Journal of Psychophysiology</i> , 1997, 25, 42.	1.0	0
514	fMRI and PET: Complementary Studies in Clinical Neurology. <i>The Neuroradiology Journal</i> , 2000, 13, 149-150.	0.1	0
515	Patterns of cerebral atrophy in Alzheimer's disease and semantic dementia: A comparison of voxel based morphometry and region of interest measurements. <i>NeuroImage</i> , 2001, 13, 317.	4.2	0
516	Changes in cerebral morphology consequent to peripheral autonomic denervation. <i>NeuroImage</i> , 2001, 13, 780.	4.2	0
517	Imaging neuroscience: Lessons from studies of brain plasticity. , 0, , .		0
518	Geneâ€“Brain Structure Relationships: Arbitrary Assumptions of Heterogeneity Generate Unfalsifiable Claimsâ€”Reply. <i>Archives of General Psychiatry</i> , 2007, 64, 1098.	12.3	0
519	fMRI shows an distributed extrastriatal network of altered neural activation in premanifest Huntington's disease gene carriers. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, A38.2-A38.	1.9	0
520	Distributed neural networks associated with emotion processing are altered in premanifest Huntington's disease and correlated with genetic load. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, A39.3-A40.	1.9	0
521	Implications du Human Brain Project pour les neurosciences cliniques. <i>European Psychiatry</i> , 2013, 28, 12-12.	0.2	0
522	Functional neuroimaging. , 0, , 84-94.		0

#	ARTICLE	IF	CITATIONS
523	Brain Storm. <i>Neurology Now</i> , 2017, 13, 24-29.	0.0	0
524	What Functional Brain Imaging Will Mean for Neurology. , 2005, , 471-xxiv.		0
525	Functional and structural neuroimaging studies of plasticity and functional recovery. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S714-S714.	4.3	0
526	Cerebral reprogramming underlying functional recovery following stroke. , 2006, , 273-284.		0
527	Les fonctions linguistiques explorées en tomographie par émission de positons.. <i>Medecine/Sciences</i> , 1993, 9, 934.	0.2	0
528	PET CBF Investigation of Stroke. , 1997, , 636-640.		0
529	Characterising Selective Attention with Positron Emission Tomography. , 1998, , 401-413.		0
530	Imaging Investigations of Human Brain Plasticity. <i>Research and Perspectives in Neurosciences</i> , 1999, , 141-156.	0.4	0
531	Neuro-imagerie fonctionnelle : une révolution en neurosciences.. <i>Medecine/Sciences</i> , 1999, 15, 447.	0.2	0
532	Applications of Positron Emission Tomography to Neurosurgery. <i>Advances and Technical Standards in Neurosurgery</i> , 1983, , 3-18.	0.5	0
533	Approches éthiques de l'utilisation de Big Data en recherche biomédicale et sanitaire. , 2018, , 513-526.		0