K J Friston

List of Publications by Year
in descending order

1,177 papers	240,054 citations	223 h-index	440 g-index
1300 all docs	1300 docs citations	1300 times ranked	70195 citing authors

#	Article	IF	Citations
1	Statistical parametric maps in functional imaging: A general linear approach. Human Brain Mapping, 1994, 2, 189-210.	3.6	8,177
2	Voxel-Based Morphometry—The Methods. NeuroImage, 2000, 11, 805-821.	4.2	7,674
3	Unified segmentation. NeuroImage, 2005, 26, 839-851.	4.2	6,855
4	The free-energy principle: a unified brain theory?. Nature Reviews Neuroscience, 2010, 11, 127-138.	10.2	4,902
5	A Voxel-Based Morphometric Study of Ageing in 465 Normal Adult Human Brains. NeuroImage, 2001, 14, 21-36.	4.2	4,189
6	Dynamic causal modelling. NeuroImage, 2003, 19, 1273-1302.	4.2	3,997
7	A theory of cortical responses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 815-836.	4.0	3,390
8	Spatial registration and normalization of images. Human Brain Mapping, 1995, 3, 165-189.	3.6	3,080
9	Movement‐Related effects in fMRI time‐series. Magnetic Resonance in Medicine, 1996, 35, 346-355.	3.0	3,064
10	Psychophysiological and Modulatory Interactions in Neuroimaging. NeuroImage, 1997, 6, 218-229.	4.2	2,807
11	Functional and Effective Connectivity: A Review. Brain Connectivity, 2011, 1, 13-36.	1.7	2,633
12	A unified statistical approach for determining significant signals in images of cerebral activation. Human Brain Mapping, 1996, 4, 58-73.	3.6	2,394
13	Analysis of fMRI Time-Series Revisited. NeuroImage, 1995, 2, 45-53.	4.2	2,189
14	Analysis of fMRI Time-Series Revisited—Again. NeuroImage, 1995, 2, 173-181.	4.2	2,007
15	Functional and effective connectivity in neuroimaging: A synthesis. Human Brain Mapping, 1994, 2, 56-78.	3.6	1,964
16	Dissociable Roles of Ventral and Dorsal Striatum in Instrumental Conditioning. Science, 2004, 304, 452-454.	12.6	1,894
17	Canonical Microcircuits for Predictive Coding. Neuron, 2012, 76, 695-711.	8.1	1,876
18	Event-Related fMRI: Characterizing Differential Responses. NeuroImage, 1998, 7, 30-40.	4.2	1,860

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19	Functional Connectivity: The Principal-Component Analysis of Large (PET) Data Sets. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 5-14.	4.3	1,688
20	Assessing the significance of focal activations using their spatial extent. Human Brain Mapping, 1994, 1, 210-220.	3.6	1,654
21	Nonlinear spatial normalization using basis functions. Human Brain Mapping, 1999, 7, 254-266.	3.6	1,652
22	A direct demonstration of functional specialization in human visual cortex. Journal of Neuroscience, 1991, 11, 641-649.	3.6	1,617
23	Comparing Functional (PET) Images: The Assessment of Significant Change. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 690-699.	4.3	1,553
24	Structural and Functional Brain Networks: From Connections to Cognition. Science, 2013, 342, 1238411.	12.6	1,543
25	The free-energy principle: a rough guide to the brain?. Trends in Cognitive Sciences, 2009, 13, 293-301.	7.8	1,419
26	Analysis of functional MRI time‑series. Human Brain Mapping, 1994, 1, 153-171.	3.6	1,397
27	Temporal Difference Models and Reward-Related Learning in the Human Brain. Neuron, 2003, 38, 329-337.	8.1	1,311
28	Bayesian model selection for group studies. NeuroImage, 2009, 46, 1004-1017.	4.2	1,253
29	Cerebral Asymmetry and the Effects of Sex and Handedness on Brain Structure: A Voxel-Based Morphometric Analysis of 465 Normal Adult Human Brains. NeuroImage, 2001, 14, 685-700.	4.2	1,189
30	The mismatch negativity: A review of underlying mechanisms. Clinical Neurophysiology, 2009, 120, 453-463.	1.5	1,109
31	A neuromodulatory role for the human amygdala in processing emotional facial expressions. Brain, 1998, 121, 47-57.	7.6	1,081
32	Nonlinear Responses in fMRI: The Balloon Model, Volterra Kernels, and Other Hemodynamics. NeuroImage, 2000, 12, 466-477.	4.2	1,060
33	Predictive coding under the free-energy principle. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1211-1221.	4.0	1,045
34	Multisubject fMRI Studies and Conjunction Analyses. NeuroImage, 1999, 10, 385-396.	4.2	1,035
35	Dysconnection in Schizophrenia: From Abnormal Synaptic Plasticity to Failures of Self-monitoring. Schizophrenia Bulletin, 2009, 35, 509-527.	4.3	1,021
36	Detecting Activations in PET and fMRI: Levels of Inference and Power. NeuroImage, 1996, 4, 223-235.	4.2	993

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37	DISTRIBUTION OF CORTICAL NEURAL NETWORKS INVOLVED IN WORD COMPREHENSION AND WORD RETRIEVAL. Brain, 1991, 114, 1803-1817.	7.6	936
38	Multimodal Image Coregistration and Partitioning—A Unified Framework. NeuroImage, 1997, 6, 209-217.	4.2	900
39	Attention, Uncertainty, and Free-Energy. Frontiers in Human Neuroscience, 2010, 4, 215.	2.0	896
40	A free energy principle for the brain. Journal of Physiology (Paris), 2006, 100, 70-87.	2.1	891
41	Patterns of Cerebral Blood Flow in Schizophrenia. British Journal of Psychiatry, 1992, 160, 179-186.	2.8	890
42	Functional reorganization of the brain in recovery from striatocapsular infarction in man. Annals of Neurology, 1992, 31, 463-472.	5.3	869
43	Brain Systems Mediating Aversive Conditioning: an Event-Related fMRI Study. Neuron, 1998, 20, 947-957.	8.1	857
44	Predictive coding: an account of the mirror neuron system. Cognitive Processing, 2007, 8, 159-166.	1.4	845
45	The Relationship between Global and Local Changes in PET Scans. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 458-466.	4.3	841
46	The Dynamic Brain: From Spiking Neurons to Neural Masses and Cortical Fields. PLoS Computational Biology, 2008, 4, e1000092.	3.2	832
47	How Many Subjects Constitute a Study?. NeuroImage, 1999, 10, 1-5.	4.2	821
48	Comparing dynamic causal models. NeuroImage, 2004, 22, 1157-1172.	4.2	809
49	Cognitive Conjunction: A New Approach to Brain Activation Experiments. NeuroImage, 1997, 5, 261-270.	4.2	808
50	Modeling Geometric Deformations in EPI Time Series. NeuroImage, 2001, 13, 903-919.	4.2	807
51	The disconnection hypothesis. Schizophrenia Research, 1998, 30, 115-125.	2.0	797
52	Cortical areas and the selection of movement: a study with positron emission tomography. Experimental Brain Research, 1991, 84, 393-402.	1.5	794
53	Willed action and the prefrontal cortex in man: a study with PET. Proceedings of the Royal Society B: Biological Sciences, 1991, 244, 241-246.	2.6	768
54	Why Voxel-Based Morphometry Should Be Used. NeuroImage, 2001, 14, 1238-1243.	4.2	767

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55	Neural Correlates of Perceptual Rivalry in the Human Brain. Science, 1998, 280, 1930-1934.	12.6	763
56	Synaptic Plasticity and Dysconnection in Schizophrenia. Biological Psychiatry, 2006, 59, 929-939.	1.3	755
57	Individual patterns of functional reorganization in the human cerebral cortex after capsular infraction. Annals of Neurology, 1993, 33, 181-189.	5.3	751
58	Modeling regional and psychophysiologic interactions in fMRI: the importance of hemodynamic deconvolution. NeuroImage, 2003, 19, 200-207.	4.2	741
59	Variational free energy and the Laplace approximation. NeuroImage, 2007, 34, 220-234.	4.2	737
60	Investigations of the functional anatomy of attention using the stroop test. Neuropsychologia, 1993, 31, 907-922.	1.6	727
61	Ten simple rules for dynamic causal modeling. NeuroImage, 2010, 49, 3099-3109.	4.2	712
62	Voxel-Based Morphometry of the Human Brain: Methods and Applications. Current Medical Imaging, 2005, 1, 105-113.	0.8	701
63	The anatomy of melancholia â€" focal abnormalities of cerebral blood flow in major depression. Psychological Medicine, 1992, 22, 607-615.	4.5	692
64	Action and behavior: a free-energy formulation. Biological Cybernetics, 2010, 102, 227-260.	1.3	686
65	Modulation of connectivity in visual pathways by attention: cortical interactions evaluated with structural equation modelling and fMRI. Cerebral Cortex, 1997, 7, 768-778.	2.9	685
66	A PET study of word finding. Neuropsychologia, 1991, 29, 1137-1148.	1.6	678
67	Active Inference: A Process Theory. Neural Computation, 2017, 29, 1-49.	2.2	677
68	THE CORTICAL LOCALIZATION OF THE LEXICONS. Brain, 1992, 115, 1769-1782.	7.6	674
69	Neuroanatomical correlates of externally and internally generated human emotion. American Journal of Psychiatry, 1997, 154, 918-925.	7.2	667
70	Classical and Bayesian Inference in Neuroimaging: Applications. NeuroImage, 2002, 16, 484-512.	4.2	658
71	Dissociable Neural Responses in Human Reward Systems. Journal of Neuroscience, 2000, 20, 6159-6165.	3.6	655
72	Computational psychiatry. Trends in Cognitive Sciences, 2012, 16, 72-80.	7.8	645

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73	Hierarchical Models in the Brain. PLoS Computational Biology, 2008, 4, e1000211.	3.2	642
74	Combining Spatial Extent and Peak Intensity to Test for Activations in Functional Imaging. NeuroImage, 1997, 5, 83-96.	4.2	633
75	Characterizing Evoked Hemodynamics with fMRI. NeuroImage, 1995, 2, 157-165.	4.2	631
76	A neural mass model for MEG/EEG:. NeuroImage, 2003, 20, 1743-1755.	4.2	613
77	The Computational Anatomy of Psychosis. Frontiers in Psychiatry, 2013, 4, 47.	2.6	608
78	Comparing Families of Dynamic Causal Models. PLoS Computational Biology, 2010, 6, e1000709.	3.2	606
79	A direct quantitative relationship between the functional properties of human and macaque V5. Nature Neuroscience, 2000, 3, 716-723.	14.8	599
80	Functional anatomy of human procedural learning determined with regional cerebral blood flow and PET. Journal of Neuroscience, 1992, 12, 2542-2548.	3.6	598
81	Regional cerebral blood flow during voluntary arm and hand movements in human subjects. Journal of Neurophysiology, 1991, 65, 1392-1401.	1.8	597
82	Nonlinear event–related responses in fMRI. Magnetic Resonance in Medicine, 1998, 39, 41-52.	3.0	591
83	Event-related f MRI. Human Brain Mapping, 1997, 5, 243-248.	3.6	590
84	Functional mapping of brain areas implicated in auditory–verbal memory function. Brain, 1993, 116, 1-20.	7.6	579
85	A Bayesian account of 'hysteria'. Brain, 2012, 135, 3495-3512.	7.6	579
86	Conjunction revisited. NeuroImage, 2005, 25, 661-667.	4.2	571
87	Statistical parametric mapping. , 2007, , 10-31.		568
88	Learning and inference in the brain. Neural Networks, 2003, 16, 1325-1352.	5.9	564
89	Dynamic causal modeling of evoked responses in EEG and MEG. NeuroImage, 2006, 30, 1255-1272.	4.2	563
90	Temporal difference models describe higher-order learning in humans. Nature, 2004, 429, 664-667.	27.8	557

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91	A Hierarchy of Time-Scales and the Brain. PLoS Computational Biology, 2008, 4, e1000209.	3.2	557
92	Predictions not commands: active inference in the motor system. Brain Structure and Function, 2013, 218, 611-643.	2.3	557
93	Structural Covariance in the Human Cortex. Journal of Neuroscience, 2005, 25, 8303-8310.	3.6	550
94	Action understanding and active inference. Biological Cybernetics, 2011, 104, 137-160.	1.3	550
95	Multiple sparse priors for the M/EEG inverse problem. NeuroImage, 2008, 39, 1104-1120.	4.2	548
96	Stochastic Designs in Event-Related fMRI. NeuroImage, 1999, 10, 607-619.	4.2	546
97	Analysing connectivity with Granger causality and dynamic causal modelling. Current Opinion in Neurobiology, 2013, 23, 172-178.	4.2	544
98	Classical and Bayesian Inference in Neuroimaging: Theory. NeuroImage, 2002, 16, 465-483.	4.2	537
99	Correlation between structural and functional changes in brain in an idiopathic headache syndrome. Nature Medicine, 1999, 5, 836-838.	30.7	533
100	Reduced frontotemporal functional connectivity in schizophrenia associated with auditory hallucinations. Biological Psychiatry, 2002, 51, 1008-1011.	1.3	532
101	The Trouble with Cognitive Subtraction. NeuroImage, 1996, 4, 97-104.	4.2	530
102	Regional cerebral blood flow in depression measured by positron emission tomography: the relationship with clinical dimensions. Psychological Medicine, 1993, 23, 579-590.	4.5	520
103	Free-energy and the brain. Synthĕse, 2007, 159, 417-458.	1.1	517
104	Active interoceptive inference and the emotional brain. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160007.	4.0	508
105	Anterior insular cortex and emotional awareness. Journal of Comparative Neurology, 2013, 521, 3371-3388.	1.6	507
106	EEG and MEG Data Analysis in SPM8. Computational Intelligence and Neuroscience, 2011, 2011, 1-32.	1.7	500
107	Characterizing Dynamic Brain Responses with fMRI: A Multivariate Approach. NeuroImage, 1995, 2, 166-172.	4.2	498
108	A Voxel-Based Method for the Statistical Analysis of Gray and White Matter Density Applied to Schizophrenia. NeuroImage, 1995, 2, 244-252.	4.2	497

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109	Bayesian model selection for group studies â€" Revisited. NeuroImage, 2014, 84, 971-985.	4.2	490
110	The physiological basis of attentional modulation in extrastriate visual areas. Nature Neuroscience, 1999, 2, 671-676.	14.8	485
111	Schizophrenia: a disconnection syndrome?. Clinical Neuroscience, 1995, 3, 89-97.	0.1	480
112	The colour centre in the cerebral cortex of man. Nature, 1989, 340, 386-389.	27.8	479
113	Beyond Phrenology: What Can Neuroimaging Tell Us About Distributed Circuitry?. Annual Review of Neuroscience, 2002, 25, 221-250.	10.7	478
114	Active inference and epistemic value. Cognitive Neuroscience, 2015, 6, 187-214.	1.4	476
115	Bayesian model reduction and empirical Bayes for group (DCM) studies. NeuroImage, 2016, 128, 413-431.	4.2	475
116	REBUS and the Anarchic Brain: Toward a Unified Model of the Brain Action of Psychedelics. Pharmacological Reviews, 2019, 71, 316-344.	16.0	467
117	The default-mode, ego-functions and free-energy: a neurobiological account of Freudian ideas. Brain, 2010, 133, 1265-1283.	7.6	465
118	A Bayesian foundation for individual learning under uncertainty. Frontiers in Human Neuroscience, 2011, 5, 39.	2.0	460
119	A DCM for resting state fMRI. NeuroImage, 2014, 94, 396-407.	4.2	460
120	Evidence of Mirror Neurons in Human Inferior Frontal Gyrus. Journal of Neuroscience, 2009, 29, 10153-10159.	3.6	459
121	Active Inference, homeostatic regulation and adaptive behavioural control. Progress in Neurobiology, 2015, 134, 17-35.	5.7	458
122	Life as we know it. Journal of the Royal Society Interface, 2013, 10, 20130475.	3.4	457
123	Degeneracy and cognitive anatomy. Trends in Cognitive Sciences, 2002, 6, 416-421.	7.8	456
124	An aberrant precision account of autism. Frontiers in Human Neuroscience, 2014, 8, 302.	2.0	452
125	Cortical and subcortical localization of response to pain in man using positron emission tomography. Proceedings of the Royal Society B: Biological Sciences, 1991, 244, 39-44.	2.6	449
126	Comparing hemodynamic models with DCM. NeuroImage, 2007, 38, 387-401.	4.2	449

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127	Preserved Feedforward But Impaired Top-Down Processes in the Vegetative State. Science, 2011, 332, 858-862.	12.6	444
128	The neuroanatomy of autism. NeuroReport, 1999, 10, 1647-1651.	1.2	439
129	Hearing and saying. Brain, 1996, 119, 919-931.	7.6	436
130	Uncertainty and stress: Why it causes diseases and how it is mastered by the brain. Progress in Neurobiology, 2017, 156, 164-188.	5.7	436
131	Incorporating Prior Knowledge into Image Registration. NeuroImage, 1997, 6, 344-352.	4.2	427
132	False discovery rate revisited: FDR and topological inference using Gaussian random fields. NeuroImage, 2009, 44, 62-70.	4.2	426
133	The dysconnection hypothesis (2016). Schizophrenia Research, 2016, 176, 83-94.	2.0	426
134	Amygdala–"Hippocampal Involvement in Human Aversive Trace Conditioning Revealed through Event-Related Functional Magnetic Resonance Imaging. Journal of Neuroscience, 1999, 19, 10869-10876.	3.6	423
135	Neural basis of an inherited speech and language disorder. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12695-12700.	7.1	418
136	Predictive coding explains binocular rivalry: An epistemological review. Cognition, 2008, 108, 687-701.	2.2	418
137	Regional Brain Activity in Chronic Schizophrenic Patients during the Performance of a Verbal Fluency Task. British Journal of Psychiatry, 1995, 167, 343-349.	2.8	417
138	Modalities, Modes, and Models in Functional Neuroimaging. Science, 2009, 326, 399-403.	12.6	415
139	The Predictive Value of Changes in Effective Connectivity for Human Learning. Science, 1999, 283, 1538-1541.	12.6	407
140	A PET study exploring the laterality of brainstem activation in migraine using glyceryl trinitrate. Brain, 2005, 128, 932-939.	7.6	404
141	Automatic Differentiation of Anatomical Patterns in the Human Brain: Validation with Studies of Degenerative Dementias. NeuroImage, 2002, 17, 29-46.	4.2	399
142	Computational psychiatry: the brain as a phantastic organ. Lancet Psychiatry,the, 2014, 1, 148-158.	7.4	398
143	To Smooth or Not to Smooth?. NeuroImage, 2000, 12, 196-208.	4.2	395
144	A Positron Emission Tomographic Study in Spontaneous Migraine. Archives of Neurology, 2005, 62, 1270.	4.5	395

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145	The functional anatomy of the MMN: A DCM study of the roving paradigm. NeuroImage, 2008, 42, 936-944.	4.2	392
146	Different activation patterns in the visual cortex of late and congenitally blind subjects. Brain, 1998, 121, 409-419.	7.6	390
147	Causal Modelling and Brain Connectivity in Functional Magnetic Resonance Imaging. PLoS Biology, 2009, 7, e1000033.	5.6	390
148	Resting oscillatory cortico-subthalamic connectivity in patients with Parkinson's disease. Brain, 2011, 134, 359-374.	7.6	387
149	Characterizing Stimulus–Response Functions Using Nonlinear Regressors in Parametric fMRI Experiments. NeuroImage, 1998, 8, 140-148.	4.2	386
150	Opponent appetitive-aversive neural processes underlie predictive learning of pain relief. Nature Neuroscience, 2005, 8, 1234-1240.	14.8	384
151	Dopaminergic modulation of impaired cognitive activation in the anterior cingulate cortex in schizophrenia. Nature, 1995, 378, 180-182.	27.8	382
152	Where Bottom-up Meets Top-down: Neuronal Interactions during Perception and Imagery. Cerebral Cortex, 2004, 14, 1256-1265.	2.9	375
153	Nonlinear dynamic causal models for fMRI. NeuroImage, 2008, 42, 649-662.	4.2	374
154	A critique of functional localisers. NeuroImage, 2006, 30, 1077-1087.	4.2	369
155	MRI analysis of an inherited speech and language disorder: structural brain abnormalities. Brain, 2002, 125, 465-478.	7.6	368
156	Active inference and learning. Neuroscience and Biobehavioral Reviews, 2016, 68, 862-879.	6.1	366
157	Broadband Cortical Desynchronization Underlies the Human Psychedelic State. Journal of Neuroscience, 2013, 33, 15171-15183.	3.6	364
158	Decreases in Regional Cerebral Blood Flow with Normal Aging. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 684-689.	4.3	362
159	Effective connectivity: Influence, causality and biophysical modeling. NeuroImage, 2011, 58, 339-361.	4.2	361
160	Identifying global anatomical differences: Deformation-based morphometry. , 1998, 6, 348-357.		359
161	How the brain learns to see objects and faces in an impoverished context. Nature, 1997, 389, 596-599.	27.8	357
162	Diffeomorphic registration using geodesic shooting and Gauss–Newton optimisation. NeuroImage, 2011, 55, 954-967.	4.2	357

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163	A multimodal language region in the ventral visual pathway. Nature, 1998, 394, 274-277.	27.8	349
164	Active inference, sensory attenuation and illusions. Cognitive Processing, 2013, 14, 411-427.	1.4	346
165	Detecting Latency Differences in Event-Related BOLD Responses: Application to Words versus Nonwords and Initial versus Repeated Face Presentations. NeuroImage, 2002, 15, 83-97.	4.2	338
166	Multivariate autoregressive modeling of fMRI time series. NeuroImage, 2003, 19, 1477-1491.	4.2	336
167	Evaluation of different measures of functional connectivity using a neural mass model. NeuroImage, 2004, 21, 659-673.	4.2	332
168	Topological FDR for neuroimaging. NeuroImage, 2010, 49, 3057-3064.	4.2	329
169	Variability in fMRI: An Examination of Intersession Differences. NeuroImage, 2000, 11, 708-734.	4.2	317
170	Bayesian Estimation of Dynamical Systems: An Application to fMRI. NeuroImage, 2002, 16, 513-530.	4.2	315
171	Ten ironic rules for non-statistical reviewers. NeuroImage, 2012, 61, 1300-1310.	4.2	314
172	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
173	Slice-timing effects and their correction in functional MRI. NeuroImage, 2011, 58, 588-594.	4.2	309
174	Cerebral hierarchies: predictive processing, precision and the pulvinar. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140169.	4.0	306
175	Autism, oxytocin and interoception. Neuroscience and Biobehavioral Reviews, 2014, 47, 410-430.	6.1	302
176	Functional ontologies for cognition: The systematic definition of structure and function. Cognitive Neuropsychology, 2005, 22, 262-275.	1.1	298
177	A Treatment-Resistant Default Mode Subnetwork in Major Depression. Biological Psychiatry, 2013, 74, 48-54.	1.3	295
178	Modelling functional integration: a comparison of structural equation and dynamic causal models. NeuroImage, 2004, 23, S264-S274.	4.2	294
179	Striatal Prediction Error Modulates Cortical Coupling. Journal of Neuroscience, 2010, 30, 3210-3219.	3.6	294
180	Segregating the functions of human hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4034-4039.	7.1	293

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181	Lateralized Cognitive Processes and Lateralized Task Control in the Human Brain. Science, 2003, 301, 384-386.	12.6	293
182	Perceptions as Hypotheses: Saccades as Experiments. Frontiers in Psychology, 2012, 3, 151.	2.1	290
183	Dopamine, Affordance and Active Inference. PLoS Computational Biology, 2012, 8, e1002327.	3.2	288
184	Predictive Processes and the Peculiar Case of Music. Trends in Cognitive Sciences, 2019, 23, 63-77.	7.8	287
185	Uncertainty in perception and the Hierarchical Gaussian Filter. Frontiers in Human Neuroscience, 2014, 8, 825.	2.0	286
186	Value-dependent selection in the brain: Simulation in a synthetic neural model. Neuroscience, 1994, 59, 229-243.	2.3	284
187	Schizophrenia and the disconnection hypothesis. Acta Psychiatrica Scandinavica, 1999, 99, 68-79.	4.5	284
188	Attention to pain localization and unpleasantness discriminates the functions of the medial and lateral pain systems. European Journal of Neuroscience, 2005, 21, 3133-3142.	2.6	284
189	Attention to action in Parkinson's disease. Brain, 2002, 125, 276-289.	7.6	283
190	Regional response differences within the human auditory cortex when listening to words. Neuroscience Letters, 1992, 146, 179-182.	2.1	281
191	Scanning patients with tasks they can perform. , 1999, 8, 102-108.		281
192	Reinforcement Learning or Active Inference?. PLoS ONE, 2009, 4, e6421.	2.5	281
193	What Is Optimal about Motor Control?. Neuron, 2011, 72, 488-498.	8.1	281
194	The mirror-neuron system: a Bayesian perspective. NeuroReport, 2007, 18, 619-623.	1.2	279
195	A systematic framework for functional connectivity measures. Frontiers in Neuroscience, 2014, 8, 405.	2.8	279
196	Cerebral responses to pain in patients with atypical facial pain measured by positron emission tomography.. Journal of Neurology, Neurosurgery and Psychiatry, 1994, 57, 1166-1172.	1.9	275
197	Modelling event-related responses in the brain. NeuroImage, 2005, 25, 756-770.	4.2	275
198	A Dual Role for Prediction Error in Associative Learning. Cerebral Cortex, 2009, 19, 1175-1185.	2.9	273

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200	A Duet for one. Consciousness and Cognition, 2015, 36, 390-405.	1.5	272
201	Does predictive coding have a future?. Nature Neuroscience, 2018, 21, 1019-1021.	14.8	272
202	A guide to group effective connectivity analysis, part 2: Second level analysis with PEB. NeuroImage, 2019, 200, 12-25.	4.2	267
203	DEM: A variational treatment of dynamic systems. NeuroImage, 2008, 41, 849-885.	4.2	266
204	Abnormal Cingulate Modulation of Fronto-Temporal Connectivity in Schizophrenia. NeuroImage, 1999, 9, 337-342.	4.2	264
205	Rapid Assessment of Regional Cerebral Metabolic Abnormalities in Single Subjects with Quantitative and Nonquantitative [18F]FDG PET: A Clinical Validation of Statistical Parametric Mapping. NeuroImage, 1999, 9, 63-80.	4.2	264
206	The functional anatomy of attention to visual motion. A functional MRI study. Brain, 1998, 121, 1281-1294.	7.6	263
207	Functional Topography: Multidimensional Scaling and Functional Connectivity in the Brain. Cerebral Cortex, 1996, 6, 156-164.	2.9	262
208	Acute Remapping within the Motor System Induced by Low-Frequency Repetitive Transcranial Magnetic Stimulation. Journal of Neuroscience, 2003, 23, 5308-5318.	3.6	262
209	The graphical brain: Belief propagation and active inference. Network Neuroscience, 2017, 1, 381-414.	2.6	260
210	Spatial normalization of lesioned brains: Performance evaluation and impact on fMRI analyses. NeuroImage, 2007, 37, 866-875.	4.2	258
211	THE LEFT MEDIAL TEMPORAL REGION AND SCHIZOPHRENIA: A PET STUDY. Brain, 1992, 115, 367-382.	7.6	256
212	Time‐dependent changes in effective connectivity measured with PET. Human Brain Mapping, 1993, 1, 69-79.	3.6	256
213	Frontal, midbrain and striatal dopaminergic function in early and advanced Parkinson's disease A 3D [18F]dopa-PET study. Brain, 1999, 122, 1637-1650.	7.6	255
214	Hemodynamic correlates of epileptiform discharges: An EEG-fMRI study of 63 patients with focal epilepsy. Brain Research, 2006, 1088, 148-166.	2.2	255
215	EEG–fMRI of idiopathic and secondarily generalized epilepsies. NeuroImage, 2006, 31, 1700-1710.	4.2	254
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