

Klaas Enno Stephan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6508521/klaas-enzo-stephan-publications-by-year.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225
papers

26,497
citations

81
h-index

161
g-index

258
ext. papers

31,615
ext. citations

6.9
avg, IF

7.15
L-index

#	Paper	IF	Citations
225	Test-retest reliability of regression dynamic causal modeling.. <i>Network Neuroscience</i> , 2022 , 6, 135-160	5.6	0
224	An introduction to thermodynamic integration and application to dynamic causal models.. <i>Cognitive Neurodynamics</i> , 2022 , 16, 1-15	4.2	
223	Advances in spiral fMRI: A high-resolution dataset.. <i>Data in Brief</i> , 2022 , 42, 108050	1.2	
222	Advances in spiral fMRI: A high-resolution study with single-shot acquisition. <i>NeuroImage</i> , 2021 , 246, 118738	7.9	3
221	Interoception of breathing and its relationship with anxiety. <i>Neuron</i> , 2021 ,	13.9	11
220	Conductance-based dynamic causal modeling: A mathematical review of its application to cross-power spectral densities. <i>NeuroImage</i> , 2021 , 245, 118662	7.9	0
219	Markov chain Monte Carlo methods for hierarchical clustering of dynamic causal models. <i>Human Brain Mapping</i> , 2021 , 42, 2973-2989	5.9	4
218	A Hilbert-based method for processing respiratory timeseries. <i>NeuroImage</i> , 2021 , 230, 117787	7.9	3
217	TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. <i>Frontiers in Psychiatry</i> , 2021 , 12, 680811	5	13
216	Cholinergic and dopaminergic effects on prediction error and uncertainty responses during sensory associative learning. <i>NeuroImage</i> , 2021 , 226, 117590	7.9	3
215	Whole-brain estimates of directed connectivity for human connectomics. <i>NeuroImage</i> , 2021 , 225, 117491	7.9	4
214	Hemodynamic modeling of long-term aspirin effects on blood oxygenated level dependent responses at 7 Tesla in patients at cardiovascular risk. <i>European Journal of Neuroscience</i> , 2021 , 53, 1262-1278	3.5	
213	Regression dynamic causal modeling for resting-state fMRI. <i>Human Brain Mapping</i> , 2021 , 42, 2159-2180	5.9	12
212	Model-based prediction of muscarinic receptor function from auditory mismatch negativity responses. <i>NeuroImage</i> , 2021 , 237, 118096	7.9	2
211	The Filter Detection Task for measurement of breathing-related interoception and metacognition. <i>Biological Psychology</i> , 2021 , 165, 108185	3.2	7
210	Inference on homeostatic belief precision. <i>Biological Psychology</i> , 2021 , 165, 108190	3.2	4
209	Technical note: A fast and robust integrator of delay differential equations in DCM for electrophysiological data. <i>NeuroImage</i> , 2021 , 244, 118567	7.9	0

208	Optogenetic activation of striatal D1R and D2R cells differentially engages downstream connected areas beyond the basal ganglia.. <i>Cell Reports</i> , 2021 , 37, 110161	10.6	2
207	Effects of hunger, satiety and oral glucose on effective connectivity between hypothalamus and insular cortex. <i>NeuroImage</i> , 2020 , 217, 116931	7.9	5
206	The structural connectivity of subthalamic deep brain stimulation correlates with impulsivity in Parkinson's disease. <i>Brain</i> , 2020 , 143, 2235-2254	11.2	28
205	Remote, Automated, and MRI-Compatible Administration of Interoceptive Inspiratory Resistive Loading. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 161	3.3	5
204	Ketamine Affects Prediction Errors about Statistical Regularities: A Computational Single-Trial Analysis of the Mismatch Negativity. <i>Journal of Neuroscience</i> , 2020 , 40, 5658-5668	6.6	15
203	Atypical processing of uncertainty in individuals at risk for psychosis. <i>NeuroImage: Clinical</i> , 2020 , 26, 102239	3.9	14
202	Predicting individual clinical trajectories of depression with generative embedding. <i>NeuroImage: Clinical</i> , 2020 , 26, 102213	5.3	18
201	Realizing the Clinical Potential of Computational Psychiatry: Report From the Banbury Center Meeting, February 2019. <i>Biological Psychiatry</i> , 2020 , 88, e5-e10	7.9	19
200	Computational Mechanisms of Effort and Reward Decisions in Patients With Depression and Their Association With Relapse After Antidepressant Discontinuation. <i>JAMA Psychiatry</i> , 2020 , 77, 513-522	14.5	21
199	Hierarchical Bayesian models of social inference for probing persecutory delusional ideation. <i>Journal of Abnormal Psychology</i> , 2020 , 129, 556-569	7	8
198	Volatility Estimates Increase Choice Switching and Relate to Prefrontal Activity in Schizophrenia. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 , 5, 173-183	3.4	15
197	Computational Dissociation of Dopaminergic and Cholinergic Effects on Action Selection and Inhibitory Control. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 , 5, 364-372	3.4	3
196	Timing of repetition suppression of event-related potentials to unattended objects. <i>European Journal of Neuroscience</i> , 2020 , 52, 4432-4441	3.5	7
195	Inflexible social inference in individuals with subclinical persecutory delusional tendencies. <i>Schizophrenia Research</i> , 2020 , 215, 344-351	3.6	12
194	Pathophysiological and cognitive mechanisms of fatigue in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 642-651	5.5	89
193	Switch costs in inhibitory control and voluntary behaviour: A computational study of the antisaccade task. <i>European Journal of Neuroscience</i> , 2019 , 50, 3205-3220	3.5	4
192	Modulation of midbrain neurocircuitry by intranasal insulin. <i>NeuroImage</i> , 2019 , 194, 120-127	7.9	16
191	Feature-specific prediction errors for visual mismatch. <i>NeuroImage</i> , 2019 , 196, 142-151	7.9	8

190	Subjective estimates of uncertainty during gambling and impulsivity after subthalamic deep brain stimulation for Parkinson's disease. <i>Scientific Reports</i> , 2019 , 9, 14795	4.9	12
189	The structural connectivity of discrete networks underlies impulsivity and gambling in Parkinson's disease. <i>Brain</i> , 2019 , 142, 3917-3935	11.2	22
188	Bayesian inference and hallucinations in schizophrenia. <i>Brain</i> , 2019 , 142, 2178-2181	11.2	3
187	Focus of attention modulates the heartbeat evoked potential. <i>NeuroImage</i> , 2019 , 186, 595-606	7.9	65
186	Generative models for clinical applications in computational psychiatry. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2018 , 9, e1460	4.5	17
185	Dynamic Causal Modeling and Its Application to Psychiatric Disorders 2018 , 117-144		3
184	Interoception and Mental Health: A Roadmap. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018 , 3, 501-513	3.4	283
183	Ion channels in EEG: isolating channel dysfunction in NMDA receptor antibody encephalitis. <i>Brain</i> , 2018 , 141, 1691-1702	11.2	34
182	Visual Mismatch and Predictive Coding: A Computational Single-Trial ERP Study. <i>Journal of Neuroscience</i> , 2018 , 38, 4020-4030	6.6	44
181	Rapid anatomical brain imaging using spiral acquisition and an expanded signal model. <i>NeuroImage</i> , 2018 , 168, 88-100	7.9	21
180	Inhibition failures and late errors in the antisaccade task: influence of cue delay. <i>Journal of Neurophysiology</i> , 2018 , 120, 3001-3016	3.2	5
179	The brain's hemodynamic response function rapidly changes under acute psychosocial stress in association with genetic and endocrine stress response markers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10206-E10215	11.5	24
178	A generative model of whole-brain effective connectivity. <i>NeuroImage</i> , 2018 , 179, 505-529	7.9	45
177	Variational Bayesian inversion for hierarchical unsupervised generative embedding (HUGE). <i>NeuroImage</i> , 2018 , 179, 604-619	7.9	7
176	Computational neuroimaging strategies for single patient predictions. <i>NeuroImage</i> , 2017 , 145, 180-199	7.9	95
175	Regression DCM for fMRI. <i>NeuroImage</i> , 2017 , 155, 406-421	7.9	66
174	Analysis and correction of field fluctuations in fMRI data using field monitoring. <i>NeuroImage</i> , 2017 , 154, 92-105	7.9	26
173	The Stochastic Early Reaction, Inhibition, and late Action (SERIA) model for antisaccades. <i>PLoS Computational Biology</i> , 2017 , 13, e1005692	5	15

172	Hierarchical prediction errors in midbrain and septum during social learning. <i>Social Cognitive and Affective Neuroscience</i> , 2017 , 12, 618-634	4	58
171	Computational Psychosomatics and Computational Psychiatry: Toward a Joint Framework for Differential Diagnosis. <i>Biological Psychiatry</i> , 2017 , 82, 421-430	7.9	92
170	The PhysIO Toolbox for Modeling Physiological Noise in fMRI Data. <i>Journal of Neuroscience Methods</i> , 2017 , 276, 56-72	3	135
169	Models of neuromodulation for computational psychiatry. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2017 , 8, e1420	4.5	13
168	Episodic Tags Enhance Striatal Valuation Signals during Temporal Discounting in pathological Gamblers. <i>ENeuro</i> , 2017 , 4,	3.9	10
167	Hat Computational Psychiatry Relevanz ffür die klinische Praxis der Psychiatrie?. <i>Zeitschrift Fur Psychiatrie, Psychologie Und Psychotherapie</i> , 2017 , 65, 9-19	0.3	4
166	Bayesian inference, dysconnectivity and neuromodulation in schizophrenia. <i>Brain</i> , 2016 , 139, 1874-6	11.2	8
165	Embodied neurology: an integrative framework for neurological disorders. <i>Brain</i> , 2016 , 139, 1855-61	11.2	32
164	Mechanisms of hemispheric lateralization: Asymmetric interhemispheric recruitment in the face perception network. <i>NeuroImage</i> , 2016 , 124, 977-988	7.9	45
163	Charting the landscape of priority problems in psychiatry, part 2: pathogenesis and aetiology. <i>Lancet Psychiatry</i> , 2016 , 3, 84-90	23.3	37
162	Charting the landscape of priority problems in psychiatry, part 1: classification and diagnosis. <i>Lancet Psychiatry</i> , 2016 , 3, 77-83	23.3	107
161	Bayesian model reduction and empirical Bayes for group (DCM) studies. <i>NeuroImage</i> , 2016 , 128, 413-431	7.9	253
160	A hemodynamic model for layered BOLD signals. <i>NeuroImage</i> , 2016 , 125, 556-570	7.9	88
159	mpdcm: A toolbox for massively parallel dynamic causal modeling. <i>Journal of Neuroscience Methods</i> , 2016 , 257, 7-16	3	25
158	Pharmacological Fingerprints of Contextual Uncertainty. <i>PLoS Biology</i> , 2016 , 14, e1002575	9.7	55
157	Learning What to See in a Changing World. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 263	3.3	12
156	Allostatic Self-efficacy: A Metacognitive Theory of Dyshomeostasis-Induced Fatigue and Depression. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 550	3.3	169
155	Can Bayesian Theories of Autism Spectrum Disorder Help Improve Clinical Practice?. <i>Frontiers in Psychiatry</i> , 2016 , 7, 107	5	47

154	Computational models of eye movements and their application to schizophrenia. <i>Current Opinion in Behavioral Sciences</i> , 2016 , 11, 21-29	4	14
153	A hierarchical model for integrating unsupervised generative embedding and empirical Bayes. <i>Journal of Neuroscience Methods</i> , 2016 , 269, 6-20	3	17
152	The dysconnection hypothesis (2016). <i>Schizophrenia Research</i> , 2016 , 176, 83-94	3.6	264
151	A Bayesian perspective on magnitude estimation. <i>Trends in Cognitive Sciences</i> , 2015 , 19, 285-93	14	150
150	Inferring Effective Connectivity from fMRI Data. <i>Biological Magnetic Resonance</i> , 2015 , 365-386	0.5	
149	Translational Perspectives for Computational Neuroimaging. <i>Neuron</i> , 2015 , 87, 716-32	13.9	117
148	An Obesity-Predisposing Variant of the FTO Gene Regulates D2R-Dependent Reward Learning. <i>Journal of Neuroscience</i> , 2015 , 35, 12584-92	6.6	58
147	Losing control under ketamine: suppressed cortico-hippocampal drive following acute ketamine in rats. <i>Neuropsychopharmacology</i> , 2015 , 40, 268-77	8.7	61
146	Neuroticism and conscientiousness respectively constrain and facilitate short-term plasticity within the working memory neural network. <i>Human Brain Mapping</i> , 2015 , 36, 4158-63	5.9	27
145	Inversion of hierarchical Bayesian models using Gaussian processes. <i>NeuroImage</i> , 2015 , 118, 133-45	7.9	11
144	Test-retest reliability of dynamic causal modeling for fMRI. <i>NeuroImage</i> , 2015 , 117, 56-66	7.9	34
143	Cortical Coupling Reflects Bayesian Belief Updating in the Deployment of Spatial Attention. <i>Journal of Neuroscience</i> , 2015 , 35, 11532-42	6.6	68
142	Surprise beyond prediction error. <i>Human Brain Mapping</i> , 2014 , 35, 4805-14	5.9	14
141	Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014 , 24, 5-50	1.2	121
140	Computational approaches to psychiatry. <i>Current Opinion in Neurobiology</i> , 2014 , 25, 85-92	7.6	159
139	Cholinergic stimulation enhances Bayesian belief updating in the deployment of spatial attention. <i>Journal of Neuroscience</i> , 2014 , 34, 15735-42	6.6	36
138	Computational psychiatry: the brain as a phantastic organ. <i>Lancet Psychiatry</i> , 2014 , 1, 148-58	23.3	269
137	Dissecting psychiatric spectrum disorders by generative embedding. <i>NeuroImage: Clinical</i> , 2014 , 4, 98-111	3	123

136	On nodes and modes in resting state fMRI. <i>NeuroImage</i> , 2014 , 99, 533-47	7.9	50
135	Matched-filter acquisition for BOLD fMRI. <i>NeuroImage</i> , 2014 , 100, 145-60	7.9	29
134	Amphetamine sensitization alters reward processing in the human striatum and amygdala. <i>PLoS ONE</i> , 2014 , 9, e93955	3.7	65
133	A model-based analysis of impulsivity using a slot-machine gambling paradigm. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 428	3.3	15
132	Uncertainty in perception and the Hierarchical Gaussian Filter. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 825	3.3	165
131	Spatial attention, precision, and Bayesian inference: a study of saccadic response speed. <i>Cerebral Cortex</i> , 2014 , 24, 1436-50	5.1	127
130	Inferring on the intentions of others by hierarchical Bayesian learning. <i>PLoS Computational Biology</i> , 2014 , 10, e1003810	5	97
129	Laminar activity in the hippocampus and entorhinal cortex related to novelty and episodic encoding. <i>Nature Communications</i> , 2014 , 5, 5547	17.4	64
128	Bayesian model selection for group studies - revisited. <i>NeuroImage</i> , 2014 , 84, 971-85	7.9	321
127	Amphetamine sensitisation and memory in healthy human volunteers: a functional magnetic resonance imaging study. <i>Journal of Psychopharmacology</i> , 2014 , 28, 857-65	4.6	8
126	Model selection and gobbledygook: response to Lohmann et al. <i>NeuroImage</i> , 2013 , 75, 275-278	7.9	23
125	Neurofeedback-mediated self-regulation of the dopaminergic midbrain. <i>NeuroImage</i> , 2013 , 83, 817-25	7.9	59
124	Hierarchical prediction errors in midbrain and basal forebrain during sensory learning. <i>Neuron</i> , 2013 , 80, 519-30	13.9	200
123	Variational Bayesian mixed-effects inference for classification studies. <i>NeuroImage</i> , 2013 , 76, 345-61	7.9	28
122	Biophysical network models and the human connectome. <i>NeuroImage</i> , 2013 , 80, 330-8	7.9	62
121	The history of CoCoMac. <i>NeuroImage</i> , 2013 , 80, 46-52	7.9	24
120	Free energy, precision and learning: the role of cholinergic neuromodulation. <i>Journal of Neuroscience</i> , 2013 , 33, 8227-36	6.6	183
119	Modelling trial-by-trial changes in the mismatch negativity. <i>PLoS Computational Biology</i> , 2013 , 9, e1002931	7.9	90

118	A neurocomputational model of the mismatch negativity. <i>PLoS Computational Biology</i> , 2013 , 9, e1003288		68
117	Modeling ketamine effects on synaptic plasticity during the mismatch negativity. <i>Cerebral Cortex</i> , 2013 , 23, 2394-406	5.1	80
116	Brain connectivity abnormalities predating the onset of psychosis: correlation with the effect of medication. <i>JAMA Psychiatry</i> , 2013 , 70, 903-12	14.5	72
115	The computational anatomy of psychosis. <i>Frontiers in Psychiatry</i> , 2013 , 4, 47	5	423
114	Mismatch responses in the awake rat: evidence from epidural recordings of auditory cortical fields. <i>PLoS ONE</i> , 2013 , 8, e63203	3.7	31
113	Decoding the perception of pain from fMRI using multivariate pattern analysis. <i>NeuroImage</i> , 2012 , 63, 1162-70	7.9	146
112	Stochastic dynamic causal modelling of fMRI data: should we care about neural noise?. <i>NeuroImage</i> , 2012 , 62, 464-81	7.9	78
111	DCM for complex-valued data: cross-spectra, coherence and phase-delays. <i>NeuroImage</i> , 2012 , 59, 439-557.9		81
110	A dynamic causal model for evoked and induced responses. <i>NeuroImage</i> , 2012 , 59, 340-8	7.9	37
109	A short history of causal modeling of fMRI data. <i>NeuroImage</i> , 2012 , 62, 856-63	7.9	80
108	Dopamine, affordance and active inference. <i>PLoS Computational Biology</i> , 2012 , 8, e1002327	5	208
107	Mismatch negativity encoding of prediction errors predicts S-ketamine-induced cognitive impairments. <i>Neuropsychopharmacology</i> , 2012 , 37, 865-75	8.7	74
106	Changes in auditory feedback connections determine the severity of speech processing deficits after stroke. <i>Journal of Neuroscience</i> , 2012 , 32, 4260-70	6.6	31
105	Consistent spectral predictors for dynamic causal models of steady-state responses. <i>NeuroImage</i> , 2011 , 55, 1694-708	7.9	52
104	Generalised filtering and stochastic DCM for fMRI. <i>NeuroImage</i> , 2011 , 58, 442-57	7.9	140
103	Model-based feature construction for multivariate decoding. <i>NeuroImage</i> , 2011 , 56, 601-15	7.9	22
102	Network discovery with DCM. <i>NeuroImage</i> , 2011 , 56, 1202-21	7.9	211
101	A bayesian foundation for individual learning under uncertainty. <i>Frontiers in Human Neuroscience</i> , 2011 , 5, 39	3.3	311

100	An in vivo assay of synaptic function mediating human cognition. <i>Current Biology</i> , 2011 , 21, 1320-5	6.3	105
99	Effective connectivity during processing of facial affect: evidence for multiple parallel pathways. <i>Journal of Neuroscience</i> , 2011 , 31, 14378-85	6.6	79
98	Functional magnetic resonance imaging investigation of the amphetamine sensitization model of schizophrenia in healthy male volunteers. <i>Archives of General Psychiatry</i> , 2011 , 68, 545-54		22
97	Optimizing experimental design for comparing models of brain function. <i>PLoS Computational Biology</i> , 2011 , 7, e1002280	5	34
96	Generative embedding for model-based classification of fMRI data. <i>PLoS Computational Biology</i> , 2011 , 7, e1002079	5	112
95	Dynamic causal models and physiological inference: a validation study using isoflurane anaesthesia in rodents. <i>PLoS ONE</i> , 2011 , 6, e22790	3.7	68
94	Observing the observer (I): meta-bayesian models of learning and decision-making. <i>PLoS ONE</i> , 2010 , 5, e15554	3.7	104
93	Striatal prediction error modulates cortical coupling. <i>Journal of Neuroscience</i> , 2010 , 30, 3210-9	6.6	242
92	Contextual novelty changes reward representations in the striatum. <i>Journal of Neuroscience</i> , 2010 , 30, 1721-6	6.6	77
91	Comparing families of dynamic causal models. <i>PLoS Computational Biology</i> , 2010 , 6, e1000709	5	503
90	The Binormal Assumption on Precision-Recall Curves 2010 ,		27
89	The Balanced Accuracy and Its Posterior Distribution 2010 ,		422
88	Cingulate activity and fronto-temporal connectivity in people with prodromal signs of psychosis. <i>NeuroImage</i> , 2010 , 49, 947-55	7.9	70
87	Ten simple rules for dynamic causal modeling. <i>NeuroImage</i> , 2010 , 49, 3099-109	7.9	571
86	Multi-subject analyses with dynamic causal modeling. <i>NeuroImage</i> , 2010 , 49, 3065-74	7.9	47
85	Adaptive and aberrant reward prediction signals in the human brain. <i>NeuroImage</i> , 2010 , 50, 657-64	7.9	34
84	Analyzing effective connectivity with functional magnetic resonance imaging. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010 , 1, 446-459	4.5	112
83	Observing the observer (II): deciding when to decide. <i>PLoS ONE</i> , 2010 , 5, e15555	3.7	34

82	Analyzing Functional and Effective Connectivity with fMRI 2010 , 251-267		2
81	A dual role for prediction error in associative learning. <i>Cerebral Cortex</i> , 2009 , 19, 1175-85	5.1	224
80	Changing meaning causes coupling changes within higher levels of the cortical hierarchy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11765-70	11.5	19
79	Dysconnection in schizophrenia: from abnormal synaptic plasticity to failures of self-monitoring. <i>Schizophrenia Bulletin</i> , 2009 , 35, 509-27	1.3	869
78	Do patients with schizophrenia exhibit aberrant salience?. <i>Psychological Medicine</i> , 2009 , 39, 199-209	6.9	195
77	Effective connectivity of the left BA 44, BA 45, and inferior temporal gyrus during lexical and phonological decisions identified with DCM. <i>Human Brain Mapping</i> , 2009 , 30, 392-402	5.9	102
76	The mismatch negativity: a review of underlying mechanisms. <i>Clinical Neurophysiology</i> , 2009 , 120, 453-63	4.3	802
75	Dynamic causal models of steady-state responses. <i>NeuroImage</i> , 2009 , 44, 796-811	7.9	136
74	Forward and backward connections in the brain: a DCM study of functional asymmetries. <i>NeuroImage</i> , 2009 , 45, 453-62	7.9	78
73	Bayesian model selection for group studies. <i>NeuroImage</i> , 2009 , 46, 1004-17	7.9	972
72	Tractography-based priors for dynamic causal models. <i>NeuroImage</i> , 2009 , 47, 1628-38	7.9	115
71	Repetition suppression and plasticity in the human brain. <i>NeuroImage</i> , 2009 , 48, 269-79	7.9	135
70	Temporal activation patterns of lateralized cognitive and task control processes in the human brain. <i>Brain Research</i> , 2008 , 1205, 81-90	3.7	8
69	Bayesian estimation of synaptic physiology from the spectral responses of neural masses. <i>NeuroImage</i> , 2008 , 42, 272-84	7.9	108
68	Nonlinear dynamic causal models for fMRI. <i>NeuroImage</i> , 2008 , 42, 649-62	7.9	311
67	The functional anatomy of the MMN: a DCM study of the roving paradigm. <i>NeuroImage</i> , 2008 , 42, 936-44	7.9	277
66	Fronto-temporal interactions during overt verbal initiation and suppression. <i>Journal of Cognitive Neuroscience</i> , 2008 , 20, 1656-69	3.1	40
65	The cortical dynamics of intelligible speech. <i>Journal of Neuroscience</i> , 2008 , 28, 13209-15	6.6	106

64	Integrated Bayesian models of learning and decision making for saccadic eye movements. <i>Neural Networks</i> , 2008 , 21, 1247-60	9.1	27
63	Mechanisms of hemispheric specialization: insights from analyses of connectivity. <i>Neuropsychologia</i> , 2007 , 45, 209-28	3.2	71
62	Free-energy and the brain. <i>Synthese</i> , 2007 , 159, 417-458	0.8	370
61	Dynamic causal models of neural system dynamics: current state and future extensions. <i>Journal of Biosciences</i> , 2007 , 32, 129-44	2.3	169
60	Interhemispheric integration of visual processing during task-driven lateralization. <i>Journal of Neuroscience</i> , 2007 , 27, 3512-22	6.6	125
59	Parieto-frontal connectivity during visually guided grasping. <i>Journal of Neuroscience</i> , 2007 , 27, 11877-876.6	6.6	167
58	Hierarchical processing of auditory objects in humans. <i>PLoS Computational Biology</i> , 2007 , 3, e100	5	86
57	Approaches to the cortical analysis of auditory objects. <i>Hearing Research</i> , 2007 , 229, 46-53	3.9	26
56	Extra-classical receptive field effects measured in striate cortex with fMRI. <i>NeuroImage</i> , 2007 , 34, 1199-208	7.9	70
55	Neurophysiological correlates of relatively enhanced local visual search in autistic adolescents. <i>NeuroImage</i> , 2007 , 35, 283-91	7.9	125
54	Dynamic causal modelling of evoked potentials: a reproducibility study. <i>NeuroImage</i> , 2007 , 36, 571-80	7.9	162
53	A neural mass model of spectral responses in electrophysiology. <i>NeuroImage</i> , 2007 , 37, 706-20	7.9	147
52	Comparing hemodynamic models with DCM. <i>NeuroImage</i> , 2007 , 38, 387-401	7.9	346
51	Models of Effective Connectivity in Neural Systems. <i>Understanding Complex Systems</i> , 2007 , 303-327	0.4	7
50	Models of functional neuroimaging data. <i>Current Medical Imaging</i> , 2006 , 2, 15-34	1.2	13
49	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, 9629-38	6.6	58
48	Context-dependent human extinction memory is mediated by a ventromedial prefrontal and hippocampal network. <i>Journal of Neuroscience</i> , 2006 , 26, 9503-11	6.6	402
47	Neural coding of tactile decisions in the human prefrontal cortex. <i>Journal of Neuroscience</i> , 2006 , 26, 12586-60185	6.6	185

46	Repetitive transcranial magnetic stimulation-induced changes in sensorimotor coupling parallel improvements of somatosensation in humans. <i>Journal of Neuroscience</i> , 2006 , 26, 1945-52	6.6	81
45	Anterolateral prefrontal cortex mediates the analgesic effect of expected and perceived control over pain. <i>Journal of Neuroscience</i> , 2006 , 26, 11501-9	6.6	225
44	Synaptic plasticity and dysconnection in schizophrenia. <i>Biological Psychiatry</i> , 2006 , 59, 929-39	7.9	647
43	Nicotinic modulation of human auditory sensory memory: Evidence from mismatch negativity potentials. <i>International Journal of Psychophysiology</i> , 2006 , 59, 49-58	2.9	86
42	Task and content modulate amygdala-hippocampal connectivity in emotional retrieval. <i>Neuron</i> , 2006 , 49, 631-8	13.9	197
41	Empathic neural responses are modulated by the perceived fairness of others. <i>Nature</i> , 2006 , 439, 466-9	50.4	1233
40	A Role for Broca's Area Beyond Language Processing: Evidence from Neuropsychology and fMRI		15
39	Mixed-effects and fMRI studies. <i>NeuroImage</i> , 2005 , 24, 244-52	7.9	164
38	Yearning to yawn: the neural basis of contagious yawning. <i>NeuroImage</i> , 2005 , 24, 1260-4	7.9	96
37	A new SPM toolbox for combining probabilistic cytoarchitectonic maps and functional imaging data. <i>NeuroImage</i> , 2005 , 25, 1325-35	7.9	3115
36	Modulation of pain processing in hyperalgesia by cognitive demand. <i>NeuroImage</i> , 2005 , 27, 59-69	7.9	127
35	Context-dependent interactions of left posterior inferior frontal gyrus in a local visual search task unrelated to language. <i>Cognitive Neuropsychology</i> , 2005 , 22, 292-305	2.3	17
34	The prefrontal cortex shows context-specific changes in effective connectivity to motor or visual cortex during the selection of action or colour. <i>Cerebral Cortex</i> , 2005 , 15, 85-95	5.1	98
33	Investigating the functional role of callosal connections with dynamic causal models. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1064, 16-36	6.5	43
32	On the role of general system theory for functional neuroimaging. <i>Journal of Anatomy</i> , 2004 , 205, 443-70.9		125
31	Biophysical models of fMRI responses. <i>Current Opinion in Neurobiology</i> , 2004 , 14, 629-35	7.6	80
30	Comparing dynamic causal models. <i>NeuroImage</i> , 2004 , 22, 1157-72	7.9	709
29	Visuospatial attention: how to measure effects of infrequent, unattended events in a blocked stimulus design. <i>NeuroImage</i> , 2004 , 23, 1370-81	7.9	25

28	Network participation indices: characterizing component roles for information processing in neural networks. <i>Neural Networks</i> , 2003 , 16, 1261-75	9.1	77
27	In search of the hidden: an fMRI study with implications for the study of patients with autism and with acquired brain injury. <i>NeuroImage</i> , 2003 , 19, 674-83	7.9	39
26	Lateralized cognitive processes and lateralized task control in the human brain. <i>Science</i> , 2003 , 301, 384-633	6.3	265
25	An Introduction to CoCoMac-Online 2003 , 155-169		2
24	The structural basis of information transfer from medial temporal lobe to prefrontal cortex in the macaque monkey. <i>Neurocomputing</i> , 2002 , 44-46, 753-758	5.4	3
23	Modelling the influence of thalamo-cortical projections on prefrontal activity. <i>Neurocomputing</i> , 2002 , 44-46, 869-873	5.4	
22	The anatomical basis of functional localization in the cortex. <i>Nature Reviews Neuroscience</i> , 2002 , 3, 606-16.5	6.5	787
21	Attention to action in Parkinson's disease: impaired effective connectivity among frontal cortical regions. <i>Brain</i> , 2002 , 125, 276-89	11.2	242
20	Changes of cortico-striatal effective connectivity during visuomotor learning. <i>Cerebral Cortex</i> , 2002 , 12, 1040-7	5.1	125
19	Initial demonstration of in vivo tracing of axonal projections in the macaque brain and comparison with the human brain using diffusion tensor imaging and fast marching tractography. <i>NeuroImage</i> , 2002 , 15, 797-809	7.9	154
18	Connectional characteristics of areas in Walker's map of primate prefrontal cortex. <i>Neurocomputing</i> , 2001 , 38-40, 741-746	5.4	18
17	Organization of primate amygdalo-prefrontal projections. <i>Neurocomputing</i> , 2001 , 38-40, 1135-1140	5.4	7
16	Coordinate-independent mapping of structural and functional data by objective relational transformation (ORT). <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000 , 355, 37-54	5.8	72
15	Computational analysis of functional connectivity between areas of primate cerebral cortex. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000 , 355, 111-26	5.8	196
14	One cortex many maps: An introduction to coordinate-independent mapping by Objective Relational Transformation (ORT). <i>Neurocomputing</i> , 1999 , 26-27, 1049-1054	5.4	6
13	Hemodynamic modeling of aspirin effects on BOLD responses at 7T		1
12	Whole-brain estimates of directed connectivity for human connectomics		2
11	Model-based prediction of muscarinic receptor function from auditory mismatch negativity responses		1

10	The Filter Detection Task for measurement of breathing-related interoception and metacognition	5
9	Regression dynamic causal modeling for resting-state fMRI	4
8	A Hilbert-based method for processing respiratory timeseries	1
7	An introduction to thermodynamic integration and application to dynamic causal models	1
6	Volatility estimates increase choice switching and relate to prefrontal activity in schizophrenia	1
5	Switch costs in inhibitory control and voluntary behavior: A computational study of the antisaccade task	1
4	Focus of attention modulates the heartbeat evoked potential	1
3	Ketamine Affects Prediction Errors about Statistical Regularities: A Computational Single-Trial Analysis of the Mismatch Negativity	5
2	Advances in Spiral fMRI: A High-resolution Study with Single-shot Acquisition	3
1	Interoception of breathing and its relationship with anxiety	3