

# Klaas Enno Stephan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6508521/publications.pdf>

Version: 2024-02-01

216  
papers

34,862  
citations

5430

85  
h-index

5102

172  
g-index

258  
all docs

258  
docs citations

258  
times ranked

27896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Individual treatment expectations predict clinical outcome after lumbar injections against low back pain. <i>Pain</i> , 2023, 164, 132-141.	2.0	2
2	An introduction to thermodynamic integration and application to dynamic causal models. <i>Cognitive Neurodynamics</i> , 2022, 16, 1-15.	2.3	4
3	Advances in spiral fMRI: A high-resolution study with single-shot acquisition. <i>NeuroImage</i> , 2022, 246, 118738.	2.1	18
4	Test-retest reliability of regression dynamic causal modeling. <i>Network Neuroscience</i> , 2022, 6, 135-160.	1.4	7
5	Advances in spiral fMRI: A high-resolution dataset. <i>Data in Brief</i> , 2022, 42, 108050.	0.5	0
6	Auditory mismatch responses are differentially sensitive to changes in muscarinic acetylcholine versus dopamine receptor function. <i>ELife</i> , 2022, 11, .	2.8	6
7	Cholinergic and dopaminergic effects on prediction error and uncertainty responses during sensory associative learning. <i>NeuroImage</i> , 2021, 226, 117590.	2.1	31
8	Whole-brain estimates of directed connectivity for human connectomics. <i>NeuroImage</i> , 2021, 225, 117491.	2.1	20
9	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.	1.2	0
10	Regression dynamic causal modeling for resting-state fMRI. <i>Human Brain Mapping</i> , 2021, 42, 2159-2180.	1.9	52
11	Markov chain Monte Carlo methods for hierarchical clustering of dynamic causal models. <i>Human Brain Mapping</i> , 2021, 42, 2973-2989.	1.9	9
12	A Hilbert-based method for processing respiratory timeseries. <i>NeuroImage</i> , 2021, 230, 117787.	2.1	11
13	TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. <i>Frontiers in Psychiatry</i> , 2021, 12, 680811.	1.3	69
14	Model-based prediction of muscarinic receptor function from auditory mismatch negativity responses. <i>NeuroImage</i> , 2021, 237, 118096.	2.1	13
15	The Filter Detection Task for measurement of breathing-related interoception and metacognition. <i>Biological Psychology</i> , 2021, 165, 108185.	1.1	23
16	Inference on homeostatic belief precision. <i>Biological Psychology</i> , 2021, 165, 108190.	1.1	4
17	Technical note: A fast and robust integrator of delay differential equations in DCM for electrophysiological data. <i>NeuroImage</i> , 2021, 244, 118567.	2.1	4
18	Interoception of breathing and its relationship with anxiety. <i>Neuron</i> , 2021, 109, 4080-4093.e8.	3.8	48

#	ARTICLE	IF	CITATIONS
19	Conductance-based dynamic causal modeling: A mathematical review of its application to cross-power spectral densities. <i>NeuroImage</i> , 2021, 245, 118662.	2.1	10
20	Optogenetic activation of striatal D1R and D2R cells differentially engages downstream connected areas beyond the basal ganglia. <i>Cell Reports</i> , 2021, 37, 110161.	2.9	15
21	Timing of repetition suppression of event-related potentials to unattended objects. <i>European Journal of Neuroscience</i> , 2020, 52, 4432-4441.	1.2	17
22	Inflexible social inference in individuals with subclinical persecutory delusional tendencies. <i>Schizophrenia Research</i> , 2020, 215, 344-351.	1.1	21
23	Volatility Estimates Increase Choice Switching and Relate to Prefrontal Activity in Schizophrenia. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 173-183.	1.1	32
24	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.	1.1	3
25	Effects of hunger, satiety and oral glucose on effective connectivity between hypothalamus and insular cortex. <i>NeuroImage</i> , 2020, 217, 116931.	2.1	8
26	The structural connectivity of subthalamic deep brain stimulation correlates with impulsivity in Parkinson's disease. <i>Brain</i> , 2020, 143, 2235-2254.	3.7	52
27	Remote, Automated, and MRI-Compatible Administration of Interoceptive Inspiratory Resistive Loading. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 161.	1.0	7
28	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.	1.7	44
29	Atypical processing of uncertainty in individuals at risk for psychosis. <i>NeuroImage: Clinical</i> , 2020, 26, 102239.	1.4	37
30	Predicting individual clinical trajectories of depression with generative embedding. <i>NeuroImage: Clinical</i> , 2020, 26, 102213.	1.4	33
31	Realizing the Clinical Potential of Computational Psychiatry: Report From the Banbury Center Meeting, February 2019. <i>Biological Psychiatry</i> , 2020, 88, e5-e10.	0.7	36
32	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.	6.0	53
33	Hierarchical Bayesian models of social inference for probing persecutory delusional ideation.. <i>Journal of Abnormal Psychology</i> , 2020, 129, 556-569.	2.0	24
34	Subjective estimates of uncertainty during gambling and impulsivity after subthalamic deep brain stimulation for Parkinson's disease. <i>Scientific Reports</i> , 2019, 9, 14795.	1.6	15
35	The structural connectivity of discrete networks underlies impulsivity and gambling in Parkinson's disease. <i>Brain</i> , 2019, 142, 3917-3935.	3.7	33
36	Pathophysiological and cognitive mechanisms of fatigue in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 642-651.	0.9	186

#	ARTICLE	IF	CITATIONS
37	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.	1.2	5
38	Modulation of midbrain neurocircuitry by intranasal insulin. <i>NeuroImage</i> , 2019, 194, 120-127.	2.1	31
39	Feature-specific prediction errors for visual mismatch. <i>NeuroImage</i> , 2019, 196, 142-151.	2.1	14
40	Bayesian inference and hallucinations in schizophrenia. <i>Brain</i> , 2019, 142, 2178-2181.	3.7	8
41	Focus of attention modulates the heartbeat evoked potential. <i>NeuroImage</i> , 2019, 186, 595-606.	2.1	130
42	Generative models for clinical applications in computational psychiatry. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2018, 9, e1460.	1.4	34
43	Dynamic Causal Modeling and Its Application to Psychiatric Disorders. , 2018, , 117-144.		4
44	Interoception and Mental Health: A Roadmap. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 501-513.	1.1	524
45	Ion channels in EEG: isolating channel dysfunction in NMDA receptor antibody encephalitis. <i>Brain</i> , 2018, 141, 1691-1702.	3.7	58
46	Visual Mismatch and Predictive Coding: A Computational Single-Trial ERP Study. <i>Journal of Neuroscience</i> , 2018, 38, 4020-4030.	1.7	91
47	Rapid anatomical brain imaging using spiral acquisition and an expanded signal model. <i>NeuroImage</i> , 2018, 168, 88-100.	2.1	32
48	Inhibition failures and late errors in the antisaccade task: influence of cue delay. <i>Journal of Neurophysiology</i> , 2018, 120, 3001-3016.	0.9	6
49	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.	3.3	53
50	A generative model of whole-brain effective connectivity. <i>NeuroImage</i> , 2018, 179, 505-529.	2.1	83
51	Variational Bayesian inversion for hierarchical unsupervised generative embedding (HUGE). <i>NeuroImage</i> , 2018, 179, 604-619.	2.1	12
52	Computational neuroimaging strategies for single patient predictions. <i>NeuroImage</i> , 2017, 145, 180-199.	2.1	144
53	Regression DCM for fMRI. <i>NeuroImage</i> , 2017, 155, 406-421.	2.1	124
54	Analysis and correction of field fluctuations in fMRI data using field monitoring. <i>NeuroImage</i> , 2017, 154, 92-105.	2.1	38

#	ARTICLE	IF	CITATIONS
55	Prediction of Individual Differences from Neuroimaging Data. <i>NeuroImage</i> , 2017, 145, 135-136.	2.1	23
56	Computational Psychosomatics and Computational Psychiatry: Toward a Joint Framework for Differential Diagnosis. <i>Biological Psychiatry</i> , 2017, 82, 421-430.	0.7	131
57	The PhysIO Toolbox for Modeling Physiological Noise in fMRI Data. <i>Journal of Neuroscience Methods</i> , 2017, 276, 56-72.	1.3	289
58	Models of neuromodulation for computational psychiatry. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2017, 8, e1420.	1.4	18
59	The Stochastic Early Reaction, Inhibition, and late Action (SERIA) model for antisaccades. <i>PLoS Computational Biology</i> , 2017, 13, e1005692.	1.5	21
60	Hierarchical prediction errors in midbrain and septum during social learning. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 618-634.	1.5	103
61	Episodic Tags Enhance Striatal Valuation Signals during Temporal Discounting in pathological Gamblers. <i>ENeuro</i> , 2017, 4, ENEURO.0159-17.2017.	0.9	15
62	Learning What to See in a Changing World. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 263.	1.0	17
63	Allostatic Self-efficacy: A Metacognitive Theory of Dyshomeostasis-Induced Fatigue and Depression. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 550.	1.0	256
64	Can Bayesian Theories of Autism Spectrum Disorder Help Improve Clinical Practice?. <i>Frontiers in Psychiatry</i> , 2016, 7, 107.	1.3	101
65	Computational models of eye movements and their application to schizophrenia. <i>Current Opinion in Behavioral Sciences</i> , 2016, 11, 21-29.	2.0	21
66	A hierarchical model for integrating unsupervised generative embedding and empirical Bayes. <i>Journal of Neuroscience Methods</i> , 2016, 269, 6-20.	1.3	23
67	The dysconnection hypothesis (2016). <i>Schizophrenia Research</i> , 2016, 176, 83-94.	1.1	426
68	Bayesian inference, dysconnectivity and neuromodulation in schizophrenia. <i>Brain</i> , 2016, 139, 1874-1876.	3.7	10
69	Embodied neurology: an integrative framework for neurological disorders. <i>Brain</i> , 2016, 139, 1855-1861.	3.7	39
70	Mechanisms of hemispheric lateralization: Asymmetric interhemispheric recruitment in the face perception network. <i>NeuroImage</i> , 2016, 124, 977-988.	2.1	70
71	Charting the landscape of priority problems in psychiatry, part 2: pathogenesis and aetiology. <i>Lancet Psychiatry</i> , 2016, 3, 84-90.	3.7	46
72	Charting the landscape of priority problems in psychiatry, part 1: classification and diagnosis. <i>Lancet Psychiatry</i> , 2016, 3, 77-83.	3.7	143

#	ARTICLE	IF	CITATIONS
73	Bayesian model reduction and empirical Bayes for group (DCM) studies. <i>NeuroImage</i> , 2016, 128, 413-431.	2.1	475
74	A hemodynamic model for layered BOLD signals. <i>NeuroImage</i> , 2016, 125, 556-570.	2.1	128
75	mpdcm: A toolbox for massively parallel dynamic causal modeling. <i>Journal of Neuroscience Methods</i> , 2016, 257, 7-16.	1.3	35
76	Pharmacological Fingerprints of Contextual Uncertainty. <i>PLoS Biology</i> , 2016, 14, e1002575.	2.6	91
77	Neuroticism and conscientiousness respectively constrain and facilitate short-term plasticity within the working memory neural network. <i>Human Brain Mapping</i> , 2015, 36, 4158-4163.	1.9	36
78	Inversion of hierarchical Bayesian models using Gaussian processes. <i>NeuroImage</i> , 2015, 118, 133-145.	2.1	12
79	Test-retest reliability of dynamic causal modeling for fMRI. <i>NeuroImage</i> , 2015, 117, 56-66.	2.1	46
80	Cortical Coupling Reflects Bayesian Belief Updating in the Deployment of Spatial Attention. <i>Journal of Neuroscience</i> , 2015, 35, 11532-11542.	1.7	92
81	A Bayesian perspective on magnitude estimation. <i>Trends in Cognitive Sciences</i> , 2015, 19, 285-293.	4.0	229
82	Inferring Effective Connectivity from fMRI Data. <i>Biological Magnetic Resonance</i> , 2015, , 365-386.	0.4	0
83	Translational Perspectives for Computational Neuroimaging. <i>Neuron</i> , 2015, 87, 716-732.	3.8	154
84	An Obesity-Predisposing Variant of the FTO Gene Regulates D2R-Dependent Reward Learning. <i>Journal of Neuroscience</i> , 2015, 35, 12584-12592.	1.7	75
85	Losing Control Under Ketamine: Suppressed Cortico-Hippocampal Drive Following Acute Ketamine in Rats. <i>Neuropsychopharmacology</i> , 2015, 40, 268-277.	2.8	73
86	Amphetamine Sensitization Alters Reward Processing in the Human Striatum and Amygdala. <i>PLoS ONE</i> , 2014, 9, e93955.	1.1	76
87	A model-based analysis of impulsivity using a slot-machine gambling paradigm. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 428.	1.0	18
88	Uncertainty in perception and the Hierarchical Gaussian Filter. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 825.	1.0	286
89	Spatial Attention, Precision, and Bayesian Inference: A Study of Saccadic Response Speed. <i>Cerebral Cortex</i> , 2014, 24, 1436-1450.	1.6	151
90	Inferring on the Intentions of Others by Hierarchical Bayesian Learning. <i>PLoS Computational Biology</i> , 2014, 10, e1003810.	1.5	134

#	ARTICLE	IF	CITATIONS
91	Laminar activity in the hippocampus and entorhinal cortex related to novelty and episodic encoding. <i>Nature Communications</i> , 2014, 5, 5547.	5.8	90
92	Bayesian model selection for group studies “ Revisited. <i>NeuroImage</i> , 2014, 84, 971-985.	2.1	490
93	Amphetamine sensitisation and memory in healthy human volunteers: A functional magnetic resonance imaging study. <i>Journal of Psychopharmacology</i> , 2014, 28, 857-865.	2.0	8
94	Surprise beyond prediction error. <i>Human Brain Mapping</i> , 2014, 35, 4805-4814.	1.9	19
95	Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014, 24, 5-50.	0.3	152
96	Computational approaches to psychiatry. <i>Current Opinion in Neurobiology</i> , 2014, 25, 85-92.	2.0	203
97	Cholinergic Stimulation Enhances Bayesian Belief Updating in the Deployment of Spatial Attention. <i>Journal of Neuroscience</i> , 2014, 34, 15735-15742.	1.7	57
98	Computational psychiatry: the brain as a phantastic organ. <i>Lancet Psychiatry</i> , the, 2014, 1, 148-158.	3.7	398
99	Dissecting psychiatric spectrum disorders by generative embedding. <i>NeuroImage: Clinical</i> , 2014, 4, 98-111.	1.4	150
100	On nodes and modes in resting state fMRI. <i>NeuroImage</i> , 2014, 99, 533-547.	2.1	72
101	Matched-filter acquisition for BOLD fMRI. <i>NeuroImage</i> , 2014, 100, 145-160.	2.1	31
102	Model selection and gobbledygook: Response to Lohmann et al.. <i>NeuroImage</i> , 2013, 75, 275-278.	2.1	25
103	Neurofeedback-mediated self-regulation of the dopaminergic midbrain. <i>NeuroImage</i> , 2013, 83, 817-825.	2.1	90
104	Hierarchical Prediction Errors in Midbrain and Basal Forebrain during Sensory Learning. <i>Neuron</i> , 2013, 80, 519-530.	3.8	285
105	Variational Bayesian mixed-effects inference for classification studies. <i>NeuroImage</i> , 2013, 76, 345-361.	2.1	30
106	Biophysical network models and the human connectome. <i>NeuroImage</i> , 2013, 80, 330-338.	2.1	78
107	The history of CoCoMac. <i>NeuroImage</i> , 2013, 80, 46-52.	2.1	33
108	Free Energy, Precision and Learning: The Role of Cholinergic Neuromodulation. <i>Journal of Neuroscience</i> , 2013, 33, 8227-8236.	1.7	252

#	ARTICLE	IF	CITATIONS
109	Modelling Trial-by-Trial Changes in the Mismatch Negativity. <i>PLoS Computational Biology</i> , 2013, 9, e1002911.	1.5	137
110	A Neurocomputational Model of the Mismatch Negativity. <i>PLoS Computational Biology</i> , 2013, 9, e1003288.	1.5	96
111	Modeling Ketamine Effects on Synaptic Plasticity During the Mismatch Negativity. <i>Cerebral Cortex</i> , 2013, 23, 2394-2406.	1.6	93
112	Brain Connectivity Abnormalities Predating the Onset of Psychosis. <i>JAMA Psychiatry</i> , 2013, 70, 903.	6.0	94
113	The Computational Anatomy of Psychosis. <i>Frontiers in Psychiatry</i> , 2013, 4, 47.	1.3	608
114	Mismatch Responses in the Awake Rat: Evidence from Epidural Recordings of Auditory Cortical Fields. <i>PLoS ONE</i> , 2013, 8, e63203.	1.1	35
115	Mismatch Negativity Encoding of Prediction Errors Predicts S-ketamine-Induced Cognitive Impairments. <i>Neuropsychopharmacology</i> , 2012, 37, 865-875.	2.8	96
116	Changes in Auditory Feedback Connections Determine the Severity of Speech Processing Deficits after Stroke. <i>Journal of Neuroscience</i> , 2012, 32, 4260-4270.	1.7	35
117	Decoding the perception of pain from fMRI using multivariate pattern analysis. <i>NeuroImage</i> , 2012, 63, 1162-1170.	2.1	177
118	Stochastic dynamic causal modelling of fMRI data: Should we care about neural noise?. <i>NeuroImage</i> , 2012, 62, 464-481.	2.1	98
119	DCM for complex-valued data: Cross-spectra, coherence and phase-delays. <i>NeuroImage</i> , 2012, 59, 439-455.	2.1	120
120	A dynamic causal model for evoked and induced responses. <i>NeuroImage</i> , 2012, 59, 340-348.	2.1	56
121	A short history of causal modeling of fMRI data. <i>NeuroImage</i> , 2012, 62, 856-863.	2.1	96
122	Dopamine, Affordance and Active Inference. <i>PLoS Computational Biology</i> , 2012, 8, e1002327.	1.5	288
123	Consistent spectral predictors for dynamic causal models of steady-state responses. <i>NeuroImage</i> , 2011, 55, 1694-1708.	2.1	66
124	Generalised filtering and stochastic DCM for fMRI. <i>NeuroImage</i> , 2011, 58, 442-457.	2.1	177
125	Model-based feature construction for multivariate decoding. <i>NeuroImage</i> , 2011, 56, 601-615.	2.1	29
126	Network discovery with DCM. <i>NeuroImage</i> , 2011, 56, 1202-1221.	2.1	248



#	ARTICLE	IF	CITATIONS
127	A Bayesian foundation for individual learning under uncertainty. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 39.	1.0	460
128	An InVivo Assay of Synaptic Function Mediating Human Cognition. <i>Current Biology</i> , 2011, 21, 1320-1325.	1.8	124
129	Effective Connectivity during Processing of Facial Affect: Evidence for Multiple Parallel Pathways. <i>Journal of Neuroscience</i> , 2011, 31, 14378-14385.	1.7	84
130	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.	13.8	26
131	Optimizing Experimental Design for Comparing Models of Brain Function. <i>PLoS Computational Biology</i> , 2011, 7, e1002280.	1.5	40
132	Generative Embedding for Model-Based Classification of fMRI Data. <i>PLoS Computational Biology</i> , 2011, 7, e1002079.	1.5	145
133	Dynamic Causal Models and Physiological Inference: A Validation Study Using Isoflurane Anaesthesia in Rodents. <i>PLoS ONE</i> , 2011, 6, e22790.	1.1	83
134	Analyzing effective connectivity with functional magnetic resonance imaging. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010, 1, 446-459.	1.4	154
135	Observing the Observer (I): Meta-Bayesian Models of Learning and Decision-Making. <i>PLoS ONE</i> , 2010, 5, e15554.	1.1	130
136	Striatal Prediction Error Modulates Cortical Coupling. <i>Journal of Neuroscience</i> , 2010, 30, 3210-3219.	1.7	294
137	Contextual Novelty Changes Reward Representations in the Striatum. <i>Journal of Neuroscience</i> , 2010, 30, 1721-1726.	1.7	91
138	Comparing Families of Dynamic Causal Models. <i>PLoS Computational Biology</i> , 2010, 6, e1000709.	1.5	606
139	The Binormal Assumption on Precision-Recall Curves. , 2010, , .		40
140	The Balanced Accuracy and Its Posterior Distribution. , 2010, , .		784
141	Cingulate activity and fronto-temporal connectivity in people with prodromal signs of psychosis. <i>NeuroImage</i> , 2010, 49, 947-955.	2.1	77
142	Ten simple rules for dynamic causal modeling. <i>NeuroImage</i> , 2010, 49, 3099-3109.	2.1	712
143	Multi-subject analyses with dynamic causal modeling. <i>NeuroImage</i> , 2010, 49, 3065-3074.	2.1	61
144	Adaptive and aberrant reward prediction signals in the human brain. <i>NeuroImage</i> , 2010, 50, 657-664.	2.1	40

#	ARTICLE	IF	CITATIONS
145	3.9 Analyzing Functional and Effective Connectivity with fMRI. , 2010, , 251-268.		2
146	Observing the Observer (II): Deciding When to Decide. PLoS ONE, 2010, 5, e15555.	1.1	43
147	A Dual Role for Prediction Error in Associative Learning. Cerebral Cortex, 2009, 19, 1175-1185.	1.6	273
148	Changing meaning causes coupling changes within higher levels of the cortical hierarchy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11765-11770.	3.3	19
149	Dysconnection in Schizophrenia: From Abnormal Synaptic Plasticity to Failures of Self-monitoring. Schizophrenia Bulletin, 2009, 35, 509-527.	2.3	1,021
150	Do patients with schizophrenia exhibit aberrant salience?. Psychological Medicine, 2009, 39, 199-209.	2.7	237
151	Computational disease modeling – fact or fiction?. BMC Systems Biology, 2009, 3, 56.	3.0	41
152	Effective connectivity of the left BA 44, BA 45, and inferior temporal gyrus during lexical and phonological decisions identified with DCM. Human Brain Mapping, 2009, 30, 392-402.	1.9	113
153	The mismatch negativity: A review of underlying mechanisms. Clinical Neurophysiology, 2009, 120, 453-463.	0.7	1,109
154	Dynamic causal models of steady-state responses. NeuroImage, 2009, 44, 796-811.	2.1	177
155	Forward and backward connections in the brain: A DCM study of functional asymmetries. NeuroImage, 2009, 45, 453-462.	2.1	96
156	Bayesian model selection for group studies. NeuroImage, 2009, 46, 1004-1017.	2.1	1,253
157	Tractography-based priors for dynamic causal models. NeuroImage, 2009, 47, 1628-1638.	2.1	137
158	Repetition suppression and plasticity in the human brain. NeuroImage, 2009, 48, 269-279.	2.1	192
159	Integrated Bayesian models of learning and decision making for saccadic eye movements. Neural Networks, 2008, 21, 1247-1260.	3.3	31
160	Temporal activation patterns of lateralized cognitive and task control processes in the human brain. Brain Research, 2008, 1205, 81-90.	1.1	11
161	Bayesian estimation of synaptic physiology from the spectral responses of neural masses. NeuroImage, 2008, 42, 272-284.	2.1	122
162	Nonlinear dynamic causal models for fMRI. NeuroImage, 2008, 42, 649-662.	2.1	374

#	ARTICLE	IF	CITATIONS
163	The functional anatomy of the MMN: A DCM study of the roving paradigm. <i>NeuroImage</i> , 2008, 42, 936-944.	2.1	392
164	Fronto-temporal Interactions during Overt Verbal Initiation and Suppression. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1656-1669.	1.1	48
165	The Cortical Dynamics of Intelligible Speech. <i>Journal of Neuroscience</i> , 2008, 28, 13209-13215.	1.7	116
166	Interhemispheric Integration of Visual Processing during Task-Driven Lateralization. <i>Journal of Neuroscience</i> , 2007, 27, 3512-3522.	1.7	143
167	Parieto-Frontal Connectivity during Visually Guided Grasping. <i>Journal of Neuroscience</i> , 2007, 27, 11877-11887.	1.7	182
168	Hierarchical Processing of Auditory Objects in Humans. <i>PLoS Computational Biology</i> , 2007, 3, e100.	1.5	107
169	Approaches to the cortical analysis of auditory objects. <i>Hearing Research</i> , 2007, 229, 46-53.	0.9	30
170	Extra-classical receptive field effects measured in striate cortex with fMRI. <i>NeuroImage</i> , 2007, 34, 1199-1208.	2.1	83
171	Neurophysiological correlates of relatively enhanced local visual search in autistic adolescents. <i>NeuroImage</i> , 2007, 35, 283-291.	2.1	145
172	Dynamic causal modelling of evoked potentials: A reproducibility study. <i>NeuroImage</i> , 2007, 36, 571-580.	2.1	205
173	A neural mass model of spectral responses in electrophysiology. <i>NeuroImage</i> , 2007, 37, 706-720.	2.1	185
174	Comparing hemodynamic models with DCM. <i>NeuroImage</i> , 2007, 38, 387-401.	2.1	449
175	Mechanisms of hemispheric specialization: Insights from analyses of connectivity. <i>Neuropsychologia</i> , 2007, 45, 209-228.	0.7	82
176	Free-energy and the brain. <i>Synthese</i> , 2007, 159, 417-458.	0.6	517
177	Dynamic causal models of neural system dynamics: current state and future extensions. <i>Journal of Biosciences</i> , 2007, 32, 129-144.	0.5	201
178	Models of Effective Connectivity in Neural Systems. <i>Understanding Complex Systems</i> , 2007, , 303-327.	0.3	12
179	Synaptic Plasticity and Dysconnection in Schizophrenia. <i>Biological Psychiatry</i> , 2006, 59, 929-939.	0.7	755
180	Nicotinic modulation of human auditory sensory memory: Evidence from mismatch negativity potentials. <i>International Journal of Psychophysiology</i> , 2006, 59, 49-58.	0.5	100

#	ARTICLE	IF	CITATIONS
181	Task and Content Modulate Amygdala-Hippocampal Connectivity in Emotional Retrieval. <i>Neuron</i> , 2006, 49, 631-638.	3.8	220
182	Empathic neural responses are modulated by the perceived fairness of others. <i>Nature</i> , 2006, 439, 466-469.	13.7	1,470
183	Models of Functional Neuroimaging Data. <i>Current Medical Imaging</i> , 2006, 2, 15-34.	0.4	15
184	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.	1.7	63
185	Context-Dependent Human Extinction Memory Is Mediated by a Ventromedial Prefrontal and Hippocampal Network. <i>Journal of Neuroscience</i> , 2006, 26, 9503-9511.	1.7	464
186	Neural Coding of Tactile Decisions in the Human Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2006, 26, 12596-12601.	1.7	105
187	Repetitive Transcranial Magnetic Stimulation-Induced Changes in Sensorimotor Coupling Parallel Improvements of Somatosensation in Humans. <i>Journal of Neuroscience</i> , 2006, 26, 1945-1952.	1.7	85
188	Anterolateral Prefrontal Cortex Mediates the Analgesic Effect of Expected and Perceived Control over Pain. <i>Journal of Neuroscience</i> , 2006, 26, 11501-11509.	1.7	276
189	A Role for Broca's Area Beyond Language Processing: Evidence from Neuropsychology and fMRI. , 2006, , 254-268.		16
190	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.	1.8	50
191	Mixed-effects and fMRI studies. <i>NeuroImage</i> , 2005, 24, 244-252.	2.1	200
192	Yearning to yawn: the neural basis of contagious yawning. <i>NeuroImage</i> , 2005, 24, 1260-1264.	2.1	104
193	A new SPM toolbox for combining probabilistic cytoarchitectonic maps and functional imaging data. <i>NeuroImage</i> , 2005, 25, 1325-1335.	2.1	3,746
194	Modulation of pain processing in hyperalgesia by cognitive demand. <i>NeuroImage</i> , 2005, 27, 59-69.	2.1	147
195	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.	0.4	17
196	On the role of general system theory for functional neuroimaging. <i>Journal of Anatomy</i> , 2004, 205, 443-470.	0.9	136
197	Biophysical models of fMRI responses. <i>Current Opinion in Neurobiology</i> , 2004, 14, 629-635.	2.0	99
198	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> , 2004, 15, 85-95.	1.6	114

#	ARTICLE	IF	CITATIONS
199	Comparing dynamic causal models. <i>NeuroImage</i> , 2004, 22, 1157-1172.	2.1	809
200	Visuospatial attention: how to measure effects of infrequent, unattended events in a blocked stimulus design. <i>NeuroImage</i> , 2004, 23, 1370-1381.	2.1	25
201	Network participation indices: characterizing component roles for information processing in neural networks. <i>Neural Networks</i> , 2003, 16, 1261-1275.	3.3	89
202	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, 674-683.	2.1	40
203	Lateralized Cognitive Processes and Lateralized Task Control in the Human Brain. <i>Science</i> , 2003, 301, 384-386.	6.0	293
204	An Introduction to CoCoMac-Online. , 2003, , 155-169.		2
205	Attention to action in Parkinson's disease. <i>Brain</i> , 2002, 125, 276-289.	3.7	283
206	Changes of Cortico-striatal Effective Connectivity during Visuomotor Learning. <i>Cerebral Cortex</i> , 2002, 12, 1040-1047.	1.6	141
207	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.	2.1	171
208	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.	3.5	3
209	Modelling the influence of thalamo-cortical projections on prefrontal activity. <i>Neurocomputing</i> , 2002, 44-46, 869-873.	3.5	0
210	The anatomical basis of functional localization in the cortex. <i>Nature Reviews Neuroscience</i> , 2002, 3, 606-616.	4.9	956
211	Connectional characteristics of areas in Walker's map of primate prefrontal cortex. <i>Neurocomputing</i> , 2001, 38-40, 741-746.	3.5	23
212	Organization of primate amygdalo-prefrontal projections. <i>Neurocomputing</i> , 2001, 38-40, 1135-1140.	3.5	8
213	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.	1.8	87
214	Computational analysis of functional connectivity between areas of primate cerebral cortex. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 111-126.	1.8	234
215	One cortex "many maps: An introduction to coordinate-independent mapping by Objective Relational Transformation (ORT). <i>Neurocomputing</i> , 1999, 26-27, 1049-1054.	3.5	12
216	Optogenetic Activation of Striatal D1/D2 Medium Spiny Neurons Differentially Engages Downstream Connected Areas Beyond the Basal Ganglia. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0