

Olivier David

List of Publications by Year in Descending Order

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

146
papers

5,735
citations

38
h-index

72
g-index

156
ext. papers

6,891
ext. citations

5.3
avg, IF

5.7
L-index

#	Paper	IF	Citations
146	Brain tissue classification from stereoelectroencephalographic recordings. <i>Journal of Neuroscience Methods</i> , 2022 , 365, 109375	3	0
145	Tinnitus Perception in Light of a Parietal Operculo-Insular Involvement: A Review.. <i>Brain Sciences</i> , 2022 , 12,	3.4	1
144	BIDS Manager-Pipeline: A framework for multi-subject analysis in electrophysiology. <i>Neuroscience Informatics</i> , 2022 , 100072		
143	Machine Learning and Stereoelectroencephalographic Feature Extraction for Brain Tissue Classification. <i>IFAC-PapersOnLine</i> , 2021 , 54, 340-345	0.7	0
142	The Insula: A Stimulating Island of the Brain. <i>Brain Sciences</i> , 2021 , 11,	3.4	1
141	Focal polymicrogyria in children: Contribution of invasive explorations and epileptogenicity mapping in the surgical decision. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021 , 86, 19-28	3.2	0
140	Single-pulse electrical stimulation methodology in freely moving rat. <i>Journal of Neuroscience Methods</i> , 2021 , 353, 109092	3	0
139	Anatomical dissociation of intracerebral signals for reward and punishment prediction errors in humans. <i>Nature Communications</i> , 2021 , 12, 3344	17.4	3
138	Frequency-domain identification of stereoelectroencephalographic transfer functions for brain tissue classification. <i>IFAC-PapersOnLine</i> , 2021 , 54, 565-570	0.7	2
137	Cortical hemodynamic mechanisms of reversal learning using high-resolution functional near-infrared spectroscopy: A pilot study. <i>Neurophysiologie Clinique</i> , 2021 , 51, 409-424	2.7	
136	A brain atlas of axonal and synaptic delays based on modelling of cortico-cortical evoked potentials.. <i>Brain</i> , 2021 ,	11.2	1
135	Epileptogenicity Mapping: A Quantitative Approach to Identify the Seizure Onset. <i>Neurosurgery Clinics of North America</i> , 2020 , 31, 449-457	4	2
134	Modulation of visual hallucinations originating from deafferented occipital cortex by robotized transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2020 , 131, 1728-1730	4.3	1
133	Probing regional cortical excitability via input-output properties using transcranial magnetic stimulation and electroencephalography coupling. <i>Human Brain Mapping</i> , 2020 , 41, 2741-2761	5.9	6
132	Mapping the Insula with Stereo-Electroencephalography: The Emergence of Semiology in Insula Lobe Seizures. <i>Annals of Neurology</i> , 2020 , 88, 477-488	9.4	6
131	A 12-month pilot study outcomes of vagus nerve stimulation in Crohn's disease. <i>Neurogastroenterology and Motility</i> , 2020 , 32, e13911	4	27
130	The Impact of Repetitive Transcranial Magnetic Stimulation on Functional Connectivity in Major Depressive Disorder and Bipolar Disorder Evaluated by Directed Transfer Function and Indices Based on Graph Theory. <i>International Journal of Neural Systems</i> , 2020 , 30, 2050015	6.2	13

129	New modeling results for an EEG measurement system with exciting and reading electrodes. <i>IFAC-PapersOnLine</i> , 2020 , 53, 15922-15927	0.7	0
128	Hubs disruption in mesial temporal lobe epilepsy. A resting-state fMRI study on a language-and-memory network. <i>Human Brain Mapping</i> , 2020 , 41, 779-796	5.9	13
127	Coherence between the hippocampus and anterior thalamic nucleus as a tool to improve the effect of neurostimulation in temporal lobe epilepsy: An experimental study. <i>Brain Stimulation</i> , 2020 , 13, 1678-1686	5.1	4
126	Probabilistic mapping of language networks from high frequency activity induced by direct electrical stimulation. <i>Human Brain Mapping</i> , 2020 , 41, 4113-4126	5.9	8
125	Deep brain stimulation of the subthalamic nucleus in obsessive-compulsives disorders: long-term follow-up of an open, prospective, observational cohort. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 1349-1356	5.5	9
124	Implication of Anterior Nucleus of the Thalamus in Mesial Temporal Lobe Seizures. <i>Neuroscience</i> , 2019 , 418, 279-290	3.9	12
123	Reproducibility in TMS-EEG studies: A call for data sharing, standard procedures and effective experimental control. <i>Brain Stimulation</i> , 2019 , 12, 787-790	5.1	58
122	Affective modulation of the associative-limbic subthalamic nucleus: deep brain stimulation in obsessive-compulsive disorder. <i>Translational Psychiatry</i> , 2019 , 9, 73	8.6	18
121	Deep Brain Stimulation of the Pedunclopontine Nucleus Area in Parkinson Disease: MRI-Based Anatomoclinical Correlations and Optimal Target. <i>Neurosurgery</i> , 2019 , 84, 506-518	3.2	32
120	Spike discharge characteristic of the caudal mesencephalic reticular formation and pedunclopontine nucleus in MPTP-induced primate model of Parkinson disease. <i>Neurobiology of Disease</i> , 2019 , 128, 40-48	7.5	1
119	iEEG-BIDS, extending the Brain Imaging Data Structure specification to human intracranial electrophysiology. <i>Scientific Data</i> , 2019 , 6, 102	8.2	47
118	Epileptogenicity Maps of Intracerebral Fast Activities (60-100 Hz) at Seizure Onset in Epilepsy Surgery Candidates. <i>Frontiers in Neurology</i> , 2019 , 10, 1263	4.1	8
117	Sensory coding is impaired in rat absence epilepsy. <i>Journal of Physiology</i> , 2019 , 597, 951-966	3.9	11
116	Distinctive epileptogenic networks for parietal operculum seizures. <i>Epilepsy and Behavior</i> , 2019 , 91, 59-67	3.2	4
115	Fabrication and characterization of polyimide-based 'smooth' titanium nitride microelectrode arrays for neural stimulation and recording. <i>Journal of Neural Engineering</i> , 2019 , 17, 016010	5	8
114	EEG Phase Synchronization in Persons With Depression Subjected to Transcranial Magnetic Stimulation. <i>Frontiers in Neuroscience</i> , 2018 , 12, 1037	5.1	15
113	Comparison of two integration methods for dynamic causal modeling of electrophysiological data. <i>NeuroImage</i> , 2018 , 173, 623-631	7.9	9
112	Automatic bad channel detection in intracranial electroencephalographic recordings using ensemble machine learning. <i>Clinical Neurophysiology</i> , 2018 , 129, 548-554	4.3	12

111	Electroencephalographic correlates of low-frequency vagus nerve stimulation therapy for Crohn's disease. <i>Clinical Neurophysiology</i> , 2018 , 129, 1041-1046	4.3	14
110	Dissociable Effects of Subthalamic Stimulation in Obsessive Compulsive Disorder on Risky Reward and Loss Prospects. <i>Neuroscience</i> , 2018 , 382, 105-114	3.9	7
109	An on demand macaque model of mesial temporal lobe seizures induced by unilateral intra hippocampal injection of penicillin. <i>Epilepsy Research</i> , 2018 , 142, 20-28	3	4
108	Probabilistic functional tractography of the human cortex revisited. <i>NeuroImage</i> , 2018 , 181, 414-429	7.9	46
107	Electroencephalographic read-outs of the modulation of cortical network activity by deep brain stimulation. <i>Bioelectronic Medicine</i> , 2018 , 4, 2	5.4	6
106	IntrAnat Electrodes: A Free Database and Visualization Software for Intracranial Electroencephalographic Data Processed for Case and Group Studies. <i>Frontiers in Neuroinformatics</i> , 2018 , 12, 40	3.9	18
105	A high-density polysomnographic picture of disorders of arousal. <i>Sleep</i> , 2018 , 41,	1.1	2
104	Revealing a novel nociceptive network that links the subthalamic nucleus to pain processing. <i>ELife</i> , 2018 , 7,	8.9	16
103	Design and Performance Assessment of a Solid-State Microcooler for Thermal Neuromodulation. <i>Micromachines</i> , 2018 , 9,	3.3	3
102	Development of propagated discharge and behavioral arrest in hippocampal and amygdala-kindled animals. <i>Epilepsy Research</i> , 2018 , 148, 78-89	3	3
101	Different effects of levodopa and subthalamic stimulation on emotional conflict in Parkinson's disease. <i>Human Brain Mapping</i> , 2018 , 39, 5014-5027	5.9	11
100	Complexity Analysis of EEG Data in Persons With Depression Subjected to Transcranial Magnetic Stimulation. <i>Frontiers in Physiology</i> , 2018 , 9, 1385	4.6	13
99	Can Patel's accurately estimate directionality of connections in brain networks from fMRI?. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 2003-2010	4.4	8
98	Decisional impulsivity and the associative-limbic subthalamic nucleus in obsessive-compulsive disorder: stimulation and connectivity. <i>Brain</i> , 2017 , 140, 442-456	11.2	37
97	Organization of the Anterior Limb of the Internal Capsule in the Rat. <i>Journal of Neuroscience</i> , 2017 , 37, 2539-2554	6.6	18
96	Automatized set-up procedure for transcranial magnetic stimulation protocols. <i>NeuroImage</i> , 2017 , 153, 307-318	7.9	9
95	Direct Recordings from Human Anterior Insula Reveal its Leading Role within the Error-Monitoring Network. <i>Cerebral Cortex</i> , 2017 , 27, 1545-1557	5.1	37
94	Building Up Absence Seizures in the Somatosensory Cortex: From Network to Cellular Epileptogenic Processes. <i>Cerebral Cortex</i> , 2017 , 27, 4607-4623	5.1	22

93	Stimulation of subgenual cingulate area decreases limbic top-down effect on ventral visual stream: A DBS-EEG pilot study. <i>NeuroImage</i> , 2017 , 146, 544-553	7.9	16
92	Interaction of language, auditory and memory brain networks in auditory verbal hallucinations. <i>Progress in Neurobiology</i> , 2017 , 148, 1-20	10.9	116
91	Algorithmic design of a noise-resistant and efficient closed-loop deep brain stimulation system: A computational approach. <i>PLoS ONE</i> , 2017 , 12, e0171458	3.7	6
90	The genetic absence epilepsy rat from Strasbourg as a model to decipher the neuronal and network mechanisms of generalized idiopathic epilepsies. <i>Journal of Neuroscience Methods</i> , 2016 , 260, 159-74	3	70
89	Correlation of FDG-PET hypometabolism and SEEG epileptogenicity mapping in patients with drug-resistant focal epilepsy. <i>Epilepsia</i> , 2016 , 57, 2045-2055	6.4	27
88	Modulation of motor inhibition by subthalamic stimulation in obsessive-compulsive disorder. <i>Translational Psychiatry</i> , 2016 , 6, e922	8.6	9
87	Functional monitoring of peripheral nerves from electrical impedance measurements. <i>Journal of Physiology (Paris)</i> , 2016 , 110, 361-371		10
86	Synchrotron X-ray microtransections: a non invasive approach for epileptic seizures arising from eloquent cortical areas. <i>Scientific Reports</i> , 2016 , 6, 27250	4.9	13
85	Endoventricular Deep Brain Stimulation of the Third Ventricle: Proof of Concept and Application to Cluster Headache. <i>Neurosurgery</i> , 2016 , 79, 806-815	3.2	26
84	Stimulation artifact correction method for estimation of early cortico-cortical evoked potentials. <i>Journal of Neuroscience Methods</i> , 2016 , 264, 94-102	3	24
83	The primate pedunculopontine nucleus region: towards a dual role in locomotion and waking state. <i>Journal of Neural Transmission</i> , 2016 , 123, 667-678	4.3	32
82	What can rodent models tell us about apathy and associated neuropsychiatric symptoms in Parkinson's disease?. <i>Translational Psychiatry</i> , 2016 , 6, e753	8.6	35
81	Dominant efficiency of nonregular patterns of subthalamic nucleus deep brain stimulation for Parkinson's disease and obsessive-compulsive disorder in a data-driven computational model. <i>Journal of Neural Engineering</i> , 2016 , 13, 016013	5	11
80	Multispectral Electrical Impedance Tomography using Optimization over Manifolds. <i>Journal of Physics: Conference Series</i> , 2016 , 756, 012005	0.3	1
79	A Differential Evolution-Based Approach for Fitting a Nonlinear Biophysical Model to fMRI BOLD Data. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2016 , 10, 416-427	7.5	3
78	Mapping dynamical properties of cortical microcircuits using robotized TMS and EEG: Towards functional cytoarchitectonics. <i>NeuroImage</i> , 2016 , 135, 115-24	7.9	26
77	On the Role of the Pedunculopontine Nucleus and Mesencephalic Reticular Formation in Locomotion in Nonhuman Primates. <i>Journal of Neuroscience</i> , 2016 , 36, 4917-29	6.6	30
76	Response inhibition rapidly increases single-neuron responses in the subthalamic nucleus of patients with Parkinson's disease. <i>Cortex</i> , 2016 , 84, 111-123	3.8	21

75	Design of a novel closed-loop deep brain stimulation system for Parkinson's disease and obsessive-compulsive disorder 2015 ,		2
74	Resting electroencephalographic correlates of the clinical response to repetitive transcranial magnetic stimulation: A preliminary comparison between unipolar and bipolar depression. <i>Journal of Affective Disorders</i> , 2015 , 183, 15-21	6.6	21
73	Influence de la stimulation cérébrale profonde du noyau sous-thalamique dans le trouble obsessionnel compulsif sur deux formes d'impulsivité <i>European Psychiatry</i> , 2015 , 30, S119-S120	6	
72	Effect of subthalamic nucleus stimulation on penicillin induced focal motor seizures in primate. <i>Brain Stimulation</i> , 2015 , 8, 177-84	5.1	19
71	Localization of Epileptogenic Zone on Pre-surgical Intracranial EEG Recordings: Toward a Validation of Quantitative Signal Analysis Approaches. <i>Brain Topography</i> , 2015 , 28, 832-7	4.3	41
70	Distinctive features of NREM parasomnia behaviors in parkinson's disease and multiple system atrophy. <i>PLoS ONE</i> , 2015 , 10, e0120973	3.7	5
69	Estimating Biophysical Parameters from BOLD Signals through Evolutionary-Based Optimization. <i>Lecture Notes in Computer Science</i> , 2015 , 528-535	0.9	1
68	Changes of oscillatory brain activity induced by repetitive transcranial magnetic stimulation of the left dorsolateral prefrontal cortex in healthy subjects. <i>NeuroImage</i> , 2014 , 88, 91-9	7.9	31
67	Subthalamic nucleus activity dissociates proactive and reactive inhibition in patients with Parkinson's disease. <i>NeuroImage</i> , 2014 , 91, 273-81	7.9	57
66	Long-term modifications of epileptogenesis and hippocampal rhythms after prolonged hyperthermic seizures in the mouse. <i>Neurobiology of Disease</i> , 2014 , 69, 156-68	7.5	8
65	Inversion without Explicit Jacobian Calculations in Electrical Impedance Tomography. <i>Journal of Physics: Conference Series</i> , 2014 , 542, 012002	0.3	1
64	Modular architecture of a multi-frequency electrical impedance tomography system: design and implementation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6071-8	0.9	
63	Inhibitory control and error monitoring by human subthalamic neurons. <i>Translational Psychiatry</i> , 2014 , 4, e439	8.6	46
62	The pivotal role of the supplementary motor area in startle epilepsy as demonstrated by SEEG epileptogenicity maps. <i>Epilepsia</i> , 2014 , 55, e85-8	6.4	20
61	Long term effects of low frequency (10 hz) vagus nerve stimulation on EEG and heart rate variability in Crohn's disease: a case report. <i>Brain Stimulation</i> , 2014 , 7, 914-6	5.1	32
60	Changes of oscillatory activity in the subthalamic nucleus during obsessive-compulsive disorder symptoms: two case reports. <i>Cortex</i> , 2014 , 60, 145-50	3.8	22
59	Neural adaptation to responsive stimulation: a comparison of auditory and deep brain stimulation in a rat model of absence epilepsy. <i>Brain Stimulation</i> , 2013 , 6, 241-7	5.1	22
58	Design, fabrication and modeling of a cuff electrode for peripheral nerve stimulation 2013 ,		3

57	Synchrotron X-ray interlaced microbeams suppress paroxysmal oscillations in neuronal networks initiating generalized epilepsy. <i>Neurobiology of Disease</i> , 2013 , 51, 152-60	7.5	22
56	Deep brain stimulation for obsessive-compulsive disorder: subthalamic nucleus target. <i>World Neurosurgery</i> , 2013 , 80, S31.e1-8	2.1	78
55	Probabilistic functional tractography of the human cortex. <i>NeuroImage</i> , 2013 , 80, 307-17	7.9	59
54	Temporal components in the parahippocampal place area revealed by human intracerebral recordings. <i>Journal of Neuroscience</i> , 2013 , 33, 10123-31	6.6	31
53	Prognostic value of insular lobe involvement in temporal lobe epilepsy: a stereoelectroencephalographic study. <i>Epilepsia</i> , 2013 , 54, 1658-67	6.4	38
52	Pedunculopontine nucleus area oscillations during stance, stepping and freezing in Parkinson's disease. <i>PLoS ONE</i> , 2013 , 8, e83919	3.7	63
51	A non-human primate model of bipedal locomotion under restrained condition allowing gait studies and single unit brain recordings. <i>Journal of Neuroscience Methods</i> , 2012 , 204, 306-17	3	14
50	The danger of systematic bias in group-level fMRI-lag-based causality estimation. <i>NeuroImage</i> , 2012 , 59, 1228-9	7.9	44
49	Modeling of the neurovascular coupling in epileptic discharges. <i>Brain Topography</i> , 2012 , 25, 136-56	4.3	22
48	Head models and dynamic causal modeling of subcortical activity using magnetoencephalographic/electroencephalographic data. <i>Reviews in the Neurosciences</i> , 2012 , 23, 85-95	4.7	43
47	Dynamic causal modeling of spatiotemporal integration of phonological and semantic processes: an electroencephalographic study. <i>Journal of Neuroscience</i> , 2012 , 32, 4297-306	6.6	39
46	The subcortical hidden side of focal motor seizures: evidence from micro-recordings and local field potentials. <i>Brain</i> , 2012 , 135, 2263-76	11.2	29
45	fMRI connectivity, meaning and empiricism Comments on: Roebroeck et al. The identification of interacting networks in the brain using fMRI: model selection, causality and deconvolution. <i>NeuroImage</i> , 2011 , 58, 306-9; author reply 310-1	7.9	39
44	Dynamic causal modelling: a critical review of the biophysical and statistical foundations. <i>NeuroImage</i> , 2011 , 58, 312-22	7.9	217
43	Cortical stimulation of the epileptogenic zone for the treatment of focal motor seizures: an experimental study in the nonhuman primate. <i>Neurosurgery</i> , 2011 , 68, 482-90; discussion 490	3.2	12
42	Directed differential connectivity graph of interictal epileptiform discharges. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 884-93	5	19
41	Relationship between flow and metabolism in BOLD signals: insights from biophysical models. <i>Brain Topography</i> , 2011 , 24, 40-53	4.3	10
40	Subthalamic neuronal firing in obsessive-compulsive disorder and Parkinson disease. <i>Annals of Neurology</i> , 2011 , 69, 793-802	9.4	46

39	Dynamic causal modeling of subcortical connectivity of language. <i>Journal of Neuroscience</i> , 2011 , 31, 2717-27	47
38	Imaging the seizure onset zone with stereo-electroencephalography. <i>Brain</i> , 2011 , 134, 2898-911	11.2 119
37	Multimodal imaging reveals the role of β activity in eating-reflex seizures. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011 , 82, 1171-3	5.5 28
36	Studying network mechanisms using intracranial stimulation in epileptic patients. <i>Frontiers in Systems Neuroscience</i> , 2010 , 4, 148	3.5 58
35	Comparison of five directed graph measures for identification of leading interictal epileptic regions. <i>Physiological Measurement</i> , 2010 , 31, 1529-46	2.9 11
34	Involvement of the thalamic parafascicular nucleus in mesial temporal lobe epilepsy. <i>Journal of Neuroscience</i> , 2010 , 30, 16523-35	6.6 43
33	Impaired fMRI activation in patients with primary brain tumors. <i>NeuroImage</i> , 2010 , 52, 538-48	7.9 67
32	Dynamic Causal Modelling and physiological confounds: a functional MRI study of vagus nerve stimulation. <i>NeuroImage</i> , 2010 , 52, 1456-64	7.9 43
31	Characterization of the hemodynamic modes associated with interictal epileptic activity using a deformable model-based analysis of combined EEG and functional MRI recordings. <i>Human Brain Mapping</i> , 2010 , 31, 1157-73	5.9 37
30	Manipulating the epileptic brain using stimulation: a review of experimental and clinical studies. <i>Epileptic Disorders</i> , 2009 , 11, 100-12	1.9 40
29	A Multi-channel platform for recording and stimulation of large neuronal structures. <i>Irbm</i> , 2009 , 30, 226-233	6
28	Directed epileptic network from scalp and intracranial EEG of epileptic patients 2009 ,	4
27	Closed-loop control of seizures in a rat model of absence epilepsy using the BioMEASystem 2009 ,	2
26	Preictal short-term plasticity induced by intracerebral 1 Hz stimulation. <i>NeuroImage</i> , 2008 , 39, 1633-46	7.9 37
25	Rapid interactions between the ventral visual stream and emotion-related structures rely on a two-pathway architecture. <i>Journal of Neuroscience</i> , 2008 , 28, 2793-803	6.6 112
24	Identifying neural drivers with functional MRI: an electrophysiological validation. <i>PLoS Biology</i> , 2008 , 6, 2683-97	9.7 392
23	Neuronal models of EEG and MEG 2007 , 414-440	2
22	Controlling seizures is not controlling epilepsy: a parametric study of deep brain stimulation for epilepsy. <i>Neurobiology of Disease</i> , 2007 , 27, 292-300	7.5 57

21	Dynamic causal models of neural system dynamics:current state and future extensions. <i>Journal of Biosciences</i> , 2007 , 32, 129-44	2.3	169
20	A comparative study of different artefact removal algorithms for EEG signals acquired during functional MRI. <i>NeuroImage</i> , 2007 , 38, 124-37	7.9	92
19	Dynamic causal models and autopoietic systems. <i>Biological Research</i> , 2007 , 40, 487-502	7.6	6
18	Dynamic Causal Models and Autopoietic Systems. <i>Biological Research</i> , 2007 , 40,	7.6	9
17	Neuronal models of energetics 2007 , 406-413		
16	Neuronal models of ensemble dynamics 2007 , 391-405		1
15	Dynamic causal models for EEG 2007 , 561-576		2
14	Models of functional neuroimaging data. <i>Current Medical Imaging</i> , 2006 , 2, 15-34	1.2	13
13	Dynamic causal modeling of evoked responses in EEG and MEG. <i>NeuroImage</i> , 2006 , 30, 1255-72	7.9	456
12	Dynamic causal modelling of evoked responses in EEG/MEG with lead field parameterization. <i>NeuroImage</i> , 2006 , 30, 1273-84	7.9	175
11	Mechanisms of evoked and induced responses in MEG/EEG. <i>NeuroImage</i> , 2006 , 31, 1580-91	7.9	199
10	Modelling event-related responses in the brain. <i>NeuroImage</i> , 2005 , 25, 756-70	7.9	225
9	Stochastic models of neuronal dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 1075-91	5.8	55
8	Modeling brain responses. <i>International Review of Neurobiology</i> , 2005 , 66, 89-124	4.4	18
7	Evaluation of different measures of functional connectivity using a neural mass model. <i>NeuroImage</i> , 2004 , 21, 659-73	7.9	275
6	Waves of consciousness: ongoing cortical patterns during binocular rivalry. <i>NeuroImage</i> , 2004 , 23, 128-40	7.9	88
5	Voxel-Based Mapping of Cortical Ischemic Damage Using Tc 99M L,L-Ethyl Cysteinate Dimer Spect in Acute Stroke 2004 , 14, 23-32		2
4	A multitrail analysis for revealing significant corticocortical networks in magnetoencephalography and electroencephalography. <i>NeuroImage</i> , 2003 , 20, 186-201	7.9	36

3	A neural mass model for MEG/EEG: coupling and neuronal dynamics. <i>NeuroImage</i> , 2003 , 20, 1743-55	7.9	478
2	Estimation of neural dynamics from MEG/EEG cortical current density maps: application to the reconstruction of large-scale cortical synchrony. <i>IEEE Transactions on Biomedical Engineering</i> , 2002 , 49, 975-87	5	69
1	Time-coherent expansion of MEG/EEG cortical sources. <i>NeuroImage</i> , 2002 , 17, 1277-89	7.9	18