

Olivier David

List of Publications by Year in descending order

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Version: 2024-02-01

149
papers

7,668
citations

61857

43
h-index

62479

80
g-index

156
all docs

156
docs citations

156
times ranked

7905
citing authors

#	ARTICLE	IF	CITATIONS
1	A brain atlas of axonal and synaptic delays based on modelling of cortico-cortical evoked potentials. <i>Brain</i> , 2022, 145, 1653-1667.	3.7	34
2	Brain tissue classification from stereoelectroencephalographic recordings. <i>Journal of Neuroscience Methods</i> , 2022, 365, 109375.	1.3	3
3	Tinnitus Perception in Light of a Parietal Operculoâ€™s Insular Involvement: A Review. <i>Brain Sciences</i> , 2022, 12, 334.	1.1	3
4	BIDS Manager-Pipeline: A framework for multi-subject analysis in electrophysiology. <i>Neuroscience Informatics</i> , 2022, , 100072.	2.8	0
5	Exploring the spatial resolution of TMS-EEG coupling on the sensorimotor region. <i>NeuroImage</i> , 2022, 259, 119419.	2.1	9
6	Frequency-domain identification of stereoelectroencephalographic transfer functions for brain tissue classification. <i>IFAC-PapersOnLine</i> , 2021, 54, 565-570.	0.5	2
7	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.	0.9	1
8	Single-pulse electrical stimulation methodology in freely moving rat. <i>Journal of Neuroscience Methods</i> , 2021, 353, 109092.	1.3	4
9	Anatomical dissociation of intracerebral signals for reward and punishment prediction errors in humans. <i>Nature Communications</i> , 2021, 12, 3344.	5.8	27
10	Cortical hemodynamic mechanisms of reversal learning using high-resolution functional near-infrared spectroscopy: A pilot study. <i>Neurophysiologie Clinique</i> , 2021, 51, 409-424.	1.0	0
11	Machine Learning and Stereoelectroencephalographic Feature Extraction for Brain Tissue Classification. <i>IFAC-PapersOnLine</i> , 2021, 54, 340-345.	0.5	2
12	The Insula: A Stimulating Island of the Brain. <i>Brain Sciences</i> , 2021, 11, 1533.	1.1	7
13	Fabrication and characterization of polyimide-based â€™smoothâ€™ titanium nitride microelectrode arrays for neural stimulation and recording. <i>Journal of Neural Engineering</i> , 2020, 17, 016010.	1.8	15
14	Hubs disruption in mesial temporal lobe epilepsy. A restingâ€™state fMRI study on a languageâ€™andâ€™memory network. <i>Human Brain Mapping</i> , 2020, 41, 779-796.	1.9	38
15	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.	0.7	7
16	Probabilistic mapping of language networks from high frequency activity induced by direct electrical stimulation. <i>Human Brain Mapping</i> , 2020, 41, 4113-4126.	1.9	21
17	Deep brain stimulation of the subthalamic nucleus in obsessiveâ€™compulsive disorders: long-term follow-up of an open, prospective, observational cohort. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 1349-1356.	0.9	26
18	Epileptogenicity Mapping. <i>Neurosurgery Clinics of North America</i> , 2020, 31, 449-457.	0.8	3

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19	Modulation of visual hallucinations originating from deafferented occipital cortex by robotized transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2020, 131, 1728-1730.	0.7	1
20	Probing regional cortical excitability via inputâ€“output properties using transcranial magnetic stimulation and electroencephalography coupling. <i>Human Brain Mapping</i> , 2020, 41, 2741-2761.	1.9	29
21	Mapping the Insula with Stereoâ€“Electroencephalography: The Emergence of Semiology in Insula Lobe Seizures. <i>Annals of Neurology</i> , 2020, 88, 477-488.	2.8	20
22	A 12â€“month pilot study outcomes of vagus nerve stimulation in Crohn's disease. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13911.	1.6	76
23	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.	3.2	21
24	New modeling results for an EEG measurement system with exciting and reading electrodes. <i>IFAC-PapersOnLine</i> , 2020, 53, 15922-15927.	0.5	1
25	Deep Brain Stimulation of the Pedunculopontine Nucleus Area in Parkinson Disease: MRI-Based Anatomoclinical Correlations and Optimal Target. <i>Neurosurgery</i> , 2019, 84, 506-518.	0.6	47
26	Spike discharge characteristic of the caudal mesencephalic reticular formation and pedunculopontine nucleus in MPTP-induced primate model of Parkinson disease. <i>Neurobiology of Disease</i> , 2019, 128, 40-48.	2.1	3
27	iEEG-BIDS, extending the Brain Imaging Data Structure specification to human intracranial electrophysiology. <i>Scientific Data</i> , 2019, 6, 102.	2.4	96
28	Implication of Anterior Nucleus of the Thalamus in Mesial Temporal Lobe Seizures. <i>Neuroscience</i> , 2019, 418, 279-290.	1.1	20
29	Reproducibility in TMSâ€“EEG studies: A call for data sharing, standard procedures and effective experimental control. <i>Brain Stimulation</i> , 2019, 12, 787-790.	0.7	106
30	Affective modulation of the associative-limbic subthalamic nucleus: deep brain stimulation in obsessiveâ€“compulsive disorder. <i>Translational Psychiatry</i> , 2019, 9, 73.	2.4	24
31	Epileptogenicity Maps of Intracerebral Fast Activities (60â€“100 Hz) at Seizure Onset in Epilepsy Surgery Candidates. <i>Frontiers in Neurology</i> , 2019, 10, 1263.	1.1	15
32	Sensory coding is impaired in rat absence epilepsy. <i>Journal of Physiology</i> , 2019, 597, 951-966.	1.3	25
33	Distinctive epileptogenic networks for parietal operculum seizures. <i>Epilepsy and Behavior</i> , 2019, 91, 59-67.	0.9	7
34	Comparison of two integration methods for dynamic causal modeling of electrophysiological data. <i>NeuroImage</i> , 2018, 173, 623-631.	2.1	12
35	Automatic bad channel detection in intracranial electroencephalographic recordings using ensemble machine learning. <i>Clinical Neurophysiology</i> , 2018, 129, 548-554.	0.7	31
36	Electroencephalographic correlates of low-frequency vagus nerve stimulation therapy for Crohnâ€“TM's disease. <i>Clinical Neurophysiology</i> , 2018, 129, 1041-1046.	0.7	29

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37	Dissociable Effects of Subthalamic Stimulation in Obsessive Compulsive Disorder on Risky Reward and Loss Prospects. <i>Neuroscience</i> , 2018, 382, 105-114.	1.1	10
38	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.	0.8	6
39	Revealing a novel nociceptive network that links the subthalamic nucleus to pain processing. <i>ELife</i> , 2018, 7, .	2.8	27
40	Design and Performance Assessment of a Solid-State Microcooler for Thermal Neuromodulation. <i>Micromachines</i> , 2018, 9, 47.	1.4	11
41	Development of propagated discharge and behavioral arrest in hippocampal and amygdala-kindled animals. <i>Epilepsy Research</i> , 2018, 148, 78-89.	0.8	4
42	Different effects of levodopa and subthalamic stimulation on emotional conflict in Parkinson's disease. <i>Human Brain Mapping</i> , 2018, 39, 5014-5027.	1.9	13
43	Complexity Analysis of EEG Data in Persons With Depression Subjected to Transcranial Magnetic Stimulation. <i>Frontiers in Physiology</i> , 2018, 9, 1385.	1.3	25
44	Probabilistic functional tractography of the human cortex revisited. <i>NeuroImage</i> , 2018, 181, 414-429.	2.1	94
45	Electroencephalographic read-outs of the modulation of cortical network activity by deep brain stimulation. <i>Bioelectronic Medicine</i> , 2018, 4, 2.	1.0	9
46	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.	1.3	38
47	A high-density polysomnographic picture of disorders of arousal. <i>Sleep</i> , 2018, 41, .	0.6	7
48	EEG Phase Synchronization in Persons With Depression Subjected to Transcranial Magnetic Stimulation. <i>Frontiers in Neuroscience</i> , 2018, 12, 1037.	1.4	27
49	Direct Recordings from Human Anterior Insula Reveal its Leading Role within the Error-Monitoring Network. <i>Cerebral Cortex</i> , 2017, 27, bhv352.	1.6	66
50	Can Patel's \tilde{I}_n accurately estimate directionality of connections in brain networks from fMRI?. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2003-2010.	1.9	16
51	Decisional impulsivity and the associative-limbic subthalamic nucleus in obsessive-compulsive disorder: stimulation and connectivity. <i>Brain</i> , 2017, 140, 442-456.	3.7	60
52	Organization of the Anterior Limb of the Internal Capsule in the Rat. <i>Journal of Neuroscience</i> , 2017, 37, 2539-2554.	1.7	34
53	48. Decisional Impulsivity and the Anterior Limbic-Associative Subthalamic Nucleus in OCD: Stimulation and Functional Connectivity. <i>Biological Psychiatry</i> , 2017, 81, S20-S21.	0.7	0
54	Automatized set-up procedure for transcranial magnetic stimulation protocols. <i>NeuroImage</i> , 2017, 153, 307-318.	2.1	17

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55	Building Up Absence Seizures in the Somatosensory Cortex: From Network to Cellular Epileptogenic Processes. <i>Cerebral Cortex</i> , 2017, 27, 4607-4623.	1.6	42
56	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.	2.1	23
57	Interaction of language, auditory and memory brain networks in auditory verbal hallucinations. <i>Progress in Neurobiology</i> , 2017, 148, 1-20.	2.8	169
58	Algorithmic design of a noise-resistant and efficient closed-loop deep brain stimulation system: A computational approach. <i>PLoS ONE</i> , 2017, 12, e0171458.	1.1	6
59	Multispectral Electrical Impedance Tomography using Optimization over Manifolds. <i>Journal of Physics: Conference Series</i> , 2016, 756, 012005.	0.3	1
60	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.	7.3	4
61	Mapping dynamical properties of cortical microcircuits using robotized TMS and EEG: Towards functional cytoarchitectonics. <i>NeuroImage</i> , 2016, 135, 115-124.	2.1	40
62	On the Role of the Pedunculopontine Nucleus and Mesencephalic Reticular Formation in Locomotion in Nonhuman Primates. <i>Journal of Neuroscience</i> , 2016, 36, 4917-4929.	1.7	36
63	Response inhibition rapidly increases single-neuron responses in the subthalamic nucleus of patients with Parkinson's disease. <i>Cortex</i> , 2016, 84, 111-123.	1.1	28
64	Correlation of <scp>FDG</scp>â€<scp>PET</scp> hypometabolism and <scp>SEEG</scp> epileptogenicity mapping in patients with drugâ€resistant focal epilepsy. <i>Epilepsia</i> , 2016, 57, 2045-2055.	2.6	40
65	Modulation of motor inhibition by subthalamic stimulation in obsessive-compulsive disorder. <i>Translational Psychiatry</i> , 2016, 6, e922-e922.	2.4	9
66	Functional monitoring of peripheral nerves from electrical impedance measurements. <i>Journal of Physiology (Paris)</i> , 2016, 110, 361-371.	2.1	12
67	Synchrotron X-ray microtransections: a non invasive approach for epileptic seizures arising from eloquent cortical areas. <i>Scientific Reports</i> , 2016, 6, 27250.	1.6	18
68	Endoventricular Deep Brain Stimulation of the Third Ventricle. <i>Neurosurgery</i> , 2016, 79, 806-815.	0.6	32
69	Stimulation artifact correction method for estimation of early cortico-cortical evoked potentials. <i>Journal of Neuroscience Methods</i> , 2016, 264, 94-102.	1.3	38
70	The primate pedunculopontine nucleus region: towards a dual role in locomotion and waking state. <i>Journal of Neural Transmission</i> , 2016, 123, 667-678.	1.4	37
71	What can rodent models tell us about apathy and associated neuropsychiatric symptoms in Parkinsonâ€™s disease?. <i>Translational Psychiatry</i> , 2016, 6, e753-e753.	2.4	60
72	Dominant efficiency of nonregular patterns of subthalamic nucleus deep brain stimulation for Parkinsonâ€™s disease and obsessive-compulsive disorder in a data-driven computational model. <i>Journal of Neural Engineering</i> , 2016, 13, 016013.	1.8	19

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73	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, 159-174.	1.3	100
74	Distinctive Features of NREM Parasomnia Behaviors in Parkinson's Disease and Multiple System Atrophy. <i>PLoS ONE</i> , 2015, 10, e0120973.	1.1	7
75	Design of a novel closed-loop deep brain stimulation system for Parkinson's disease and obsessive-compulsive disorder. , 2015, , .		2
76	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.	2.0	30
77	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.	0.1	0
78	Effect of Subthalamic Nucleus Stimulation on Penicillin Induced Focal Motor Seizures in Primate. <i>Brain Stimulation</i> , 2015, 8, 177-184.	0.7	23
79	Localization of Epileptogenic Zone on Pre-surgical Intracranial EEG Recordings: Toward a Validation of Quantitative Signal Analysis Approaches. <i>Brain Topography</i> , 2015, 28, 832-837.	0.8	58
80	Estimating Biophysical Parameters from BOLD Signals through Evolutionary-Based Optimization. <i>Lecture Notes in Computer Science</i> , 2015, , 528-535.	1.0	3
81	Modular architecture of a multi-frequency electrical impedance tomography system: Design and implementation. , 2014, 2014, 6076-9.		0
82	Inhibitory control and error monitoring by human subthalamic neurons. <i>Translational Psychiatry</i> , 2014, 4, e439-e439.	2.4	62
83	The pivotal role of the supplementary motor area in startle epilepsy as demonstrated by sEEG epileptogenicity maps. <i>Epilepsia</i> , 2014, 55, e85-8.	2.6	32
84	Long Term Effects of Low Frequency (10Hz) Vagus Nerve Stimulation on EEG and Heart Rate Variability in Crohn's Disease: A Case Report. <i>Brain Stimulation</i> , 2014, 7, 914-916.	0.7	35
85	P299 Vagus nerve stimulation in Crohn's disease. <i>Journal of Crohn's and Colitis</i> , 2014, 8, S188-S189.	0.6	1
86	Changes of oscillatory activity in the subthalamic nucleus during obsessive-compulsive disorder symptoms: Two case reports. <i>Cortex</i> , 2014, 60, 145-150.	1.1	28
87	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, 91-99.	2.1	43
88	Subthalamic nucleus activity dissociates proactive and reactive inhibition in patients with Parkinson's disease. <i>NeuroImage</i> , 2014, 91, 273-281.	2.1	77
89	Long-term modifications of epileptogenesis and hippocampal rhythms after prolonged hyperthermic seizures in the mouse. <i>Neurobiology of Disease</i> , 2014, 69, 156-168.	2.1	11
90	Inversion without Explicit Jacobian Calculations in Electrical Impedance Tomography. <i>Journal of Physics: Conference Series</i> , 2014, 542, 012002.	0.3	1

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91	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, 241-247.	0.7	25
92	Design, fabrication and modeling of a cuff electrode for peripheral nerve stimulation. , 2013, , .		3
93	Synchrotron X-ray interlaced microbeams suppress paroxysmal oscillations in neuronal networks initiating generalized epilepsy. <i>Neurobiology of Disease</i> , 2013, 51, 152-160.	2.1	24
94	Deep Brain Stimulation for Obsessive-Compulsive Disorder: Subthalamic Nucleus Target. <i>World Neurosurgery</i> , 2013, 80, S31.e1-S31.e8.	0.7	92
95	Probabilistic functional tractography of the human cortex. <i>NeuroImage</i> , 2013, 80, 307-317.	2.1	86
96	Temporal Components in the Parahippocampal Place Area Revealed by Human Intracerebral Recordings. <i>Journal of Neuroscience</i> , 2013, 33, 10123-10131.	1.7	44
97	Prognostic value of insular lobe involvement in temporal lobe epilepsy: A stereoelectroencephalographic study. <i>Epilepsia</i> , 2013, 54, 1658-1667.	2.6	51
98	Pedunculopontine Nucleus Area Oscillations during Stance, Stepping and Freezing in Parkinsonâ€™s Disease. <i>PLoS ONE</i> , 2013, 8, e83919.	1.1	70
99	Head models and dynamic causal modeling of subcortical activity using magnetoencephalographic/electroencephalographic data. <i>Reviews in the Neurosciences</i> , 2012, 23, 85-95.	1.4	60
100	Dynamic Causal Modeling of Spatiotemporal Integration of Phonological and Semantic Processes: An Electroencephalographic Study. <i>Journal of Neuroscience</i> , 2012, 32, 4297-4306.	1.7	47
101	The subcortical hidden side of focal motor seizures: evidence from micro-recordings and local field potentials. <i>Brain</i> , 2012, 135, 2263-2276.	3.7	42
102	The danger of systematic bias in group-level fMRI-lag-based causality estimation. <i>NeuroImage</i> , 2012, 59, 1228-1229.	2.1	54
103	Modeling of the Neurovascular Coupling in Epileptic Discharges. <i>Brain Topography</i> , 2012, 25, 136-156.	0.8	23
104	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, 306-317.	1.3	21
105	fMRI connectivity, meaning and empiricism. <i>NeuroImage</i> , 2011, 58, 306-309.	2.1	44
106	Dynamic causal modelling: A critical review of the biophysical and statistical foundations. <i>NeuroImage</i> , 2011, 58, 312-322.	2.1	266
107	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, 482-490.	0.6	14
108	Directed Differential Connectivity Graph of Interictal Epileptiform Discharges. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 884-893.	2.5	22

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109	Relationship Between Flow and Metabolism in BOLD Signals: Insights from Biophysical Models. <i>Brain Topography</i> , 2011, 24, 40-53.	0.8	11
110	Subthalamic neuronal firing in obsessive-compulsive disorder and Parkinson disease. <i>Annals of Neurology</i> , 2011, 69, 793-802.	2.8	52
111	Dynamic Causal Modeling of Subcortical Connectivity of Language. <i>Journal of Neuroscience</i> , 2011, 31, 2712-2717.	1.7	57
112	Imaging the seizure onset zone with stereo-electroencephalography. <i>Brain</i> , 2011, 134, 2898-2911.	3.7	162
113	Multimodal imaging reveals the role of Δ activity in eating-reflex seizures. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 1171-1173.	0.9	35
114	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, 1157-1173.	1.9	42
115	Studying Network Mechanisms Using Intracranial Stimulation in Epileptic Patients. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 148.	1.2	71
116	Comparison of five directed graph measures for identification of leading interictal epileptic regions. <i>Physiological Measurement</i> , 2010, 31, 1529-1546.	1.2	11
117	Involvement of the Thalamic Parafascicular Nucleus in Mesial Temporal Lobe Epilepsy. <i>Journal of Neuroscience</i> , 2010, 30, 16523-16535.	1.7	54
118	Impaired fMRI activation in patients with primary brain tumors. <i>NeuroImage</i> , 2010, 52, 538-548.	2.1	76
119	Dynamic Causal Modelling and physiological confounds: A functional MRI study of vagus nerve stimulation. <i>NeuroImage</i> , 2010, 52, 1456-1464.	2.1	53
120	Manipulating the epileptic brain using stimulation: a review of experimental and clinical studies. <i>Epileptic Disorders</i> , 2009, 11, 100-112.	0.7	54
121	A Multi-channel platform for recording and stimulation of large neuronal structures. <i>Irbm</i> , 2009, 30, 226-233.	3.7	6
122	Directed epileptic network from scalp and intracranial EEG of epileptic patients. , 2009, , .		4
123	Closed-loop control of seizures in a rat model of absence epilepsy using the BioMEA™ system. , 2009, , .		5
124	Preictal short-term plasticity induced by intracerebral 1ÂHz stimulation. <i>NeuroImage</i> , 2008, 39, 1633-1646.	2.1	50
125	Rapid Interactions between the Ventral Visual Stream and Emotion-Related Structures Rely on a Two-Pathway Architecture. <i>Journal of Neuroscience</i> , 2008, 28, 2793-2803.	1.7	129
126	Identifying Neural Drivers with Functional MRI: An Electrophysiological Validation. <i>PLoS Biology</i> , 2008, 6, e315.	2.6	462

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127	A comparative study of different artefact removal algorithms for EEG signals acquired during functional MRI. <i>NeuroImage</i> , 2007, 38, 124-137.	2.1	104
128	Neuronal models of EEG and MEG. , 2007, , 414-440.		2
129	Controlling seizures is not controlling epilepsy: A parametric study of deep brain stimulation for epilepsy. <i>Neurobiology of Disease</i> , 2007, 27, 292-300.	2.1	66
130	Dynamic causal models of neural system dynamics: current state and future extensions. <i>Journal of Biosciences</i> , 2007, 32, 129-144.	0.5	201
131	Neuronal models of ensemble dynamics. , 2007, , 391-405.		1
132	Dynamic causal models for EEG. , 2007, , 561-576.		3
133	Dynamic Causal Models and Autopoietic Systems. <i>Biological Research</i> , 2007, 40, .	1.5	10
134	Neuronal models of energetics. , 2007, , 406-413.		0
135	Dynamic causal models and autopoietic systems. <i>Biological Research</i> , 2007, 40, 487-502.	1.5	6
136	Dynamic causal modeling of evoked responses in EEG and MEG. <i>NeuroImage</i> , 2006, 30, 1255-1272.	2.1	563
137	Dynamic causal modelling of evoked responses in EEG/MEG with lead field parameterization. <i>NeuroImage</i> , 2006, 30, 1273-1284.	2.1	209
138	Mechanisms of evoked and induced responses in MEG/EEG. <i>NeuroImage</i> , 2006, 31, 1580-1591.	2.1	246
139	Models of Functional Neuroimaging Data. <i>Current Medical Imaging</i> , 2006, 2, 15-34.	0.4	15
140	Stochastic models of neuronal dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 1075-1091.	1.8	64
141	Modeling Brain Responses. <i>International Review of Neurobiology</i> , 2005, 66, 89-124.	0.9	21
142	Modelling event-related responses in the brain. <i>NeuroImage</i> , 2005, 25, 756-770.	2.1	275
143	Evaluation of different measures of functional connectivity using a neural mass model. <i>NeuroImage</i> , 2004, 21, 659-673.	2.1	332
144	Waves of consciousness: ongoing cortical patterns during binocular rivalry. <i>NeuroImage</i> , 2004, 23, 128-140.	2.1	104

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145	Voxel-Based Mapping of Cortical Ischemic Damage Using Tc 99M L,L-Ethyl Cysteinate Dimer Spect in Acute Stroke. , 2004, 14, 23-32.		2
146	A multitrial analysis for revealing significant corticocortical networks in magnetoencephalography and electroencephalography. NeuroImage, 2003, 20, 186-201.	2.1	40
147	A neural mass model for MEG/EEG:. NeuroImage, 2003, 20, 1743-1755.	2.1	613
148	Time-Coherent Expansion of MEG/EEG Cortical Sources. NeuroImage, 2002, 17, 1277-1289.	2.1	21
149	Estimation of neural dynamics from MEG/EEG cortical current density maps: application to the reconstruction of large-scale cortical synchrony. IEEE Transactions on Biomedical Engineering, 2002, 49, 975-987.	2.5	76