

# Peter Robinson

## 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.

239  
papers

7,967  
citations

46  
h-index

80  
g-index

240  
ext. papers

8,682  
ext. citations

3.3  
avg, IF

6.29  
L-index

#	Paper	IF	Citations
239	Generalized neural field theory of cortical plasticity illustrated by an application to the linear phase of ocular dominance column formation in primary visual cortex. <i>Biological Cybernetics</i> , <b>2021</b> , 1	2.8	
238	Integrals and series related to propagators of neural and haemodynamic waves.. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 211562	3.3	
237	Relationships between lognormal distributions of neural properties, activity, criticality, and connectivity. <i>Biological Cybernetics</i> , <b>2021</b> , 115, 121-130	2.8	0
236	Neural field theory of neural avalanche exponents. <i>Biological Cybernetics</i> , <b>2021</b> , 115, 237-243	2.8	1
235	Discrete spectral eigenmode-resonance network of brain dynamics and connectivity. <i>Physical Review E</i> , <b>2021</b> , 104, 034411	2.4	0
234	Importance of self-connections for brain connectivity and spectral connectomics. <i>Biological Cybernetics</i> , <b>2020</b> , 114, 643-651	2.8	2
233	Evoked response activity eigenmode analysis in a convoluted cortex via neural field theory. <i>Physical Review E</i> , <b>2020</b> , 102, 062303	2.4	3
232	Gamma-band correlations in the primary visual cortex. <i>Physical Review E</i> , <b>2020</b> , 101, 042406	2.4	1
231	Effects of parcellation and threshold on brainconnectivity measures. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239717	3.7	1
230	Nonlinear wave-wave interactions in the brain. <i>Journal of Theoretical Biology</i> , <b>2020</b> , 500, 110308	2.3	1
229	Effects of physiological parameter evolution on the dynamics of tonic-clonic seizures. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230510	3.7	2
228	Power spectrum of resting-state blood-oxygen-level-dependent signal. <i>Physical Review E</i> , <b>2019</b> , 100, 022418	2.4	4
227	Physical brain connectomics. <i>Physical Review E</i> , <b>2019</b> , 99, 012421	2.4	17
226	Neural field theory of effects of brain modifications and lesions on functional connectivity: Acute effects, short-term homeostasis, and long-term plasticity. <i>Physical Review E</i> , <b>2019</b> , 99, 042407	2.4	
225	Determination of effective brain connectivity from activity correlations. <i>Physical Review E</i> , <b>2019</b> , 99, 042404	2.4	4
224	Unified dynamics of interictal events and absence seizures. <i>Physical Review E</i> , <b>2019</b> , 100, 022407	2.4	5
223	Neural field theory of evoked response potentials in a spherical brain geometry. <i>Physical Review E</i> , <b>2019</b> , 99, 062304	2.4	7

222	Unified analysis of global and focal aspects of absence epilepsy via neural field theory of the corticothalamic system. <i>Physical Review E</i> , <b>2019</b> , 100, 032405	2.4	3
221	Nonlinear harmonic generation in the corticothalamic system. <i>Journal of Theoretical Biology</i> , <b>2019</b> , 460, 184-194	2.3	5
220	Biophysical modeling of neural plasticity induced by transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 1230-1241	4.3	22
219	Neural field theory of perceptual echo and implications for estimating brain connectivity. <i>Physical Review E</i> , <b>2018</b> , 97, 042418	2.4	11
218	Neural mechanisms of the EEG alpha-BOLD anticorrelation. <i>NeuroImage</i> , <b>2018</b> , 181, 461-470	7.9	9
217	Biophysically based method to deconvolve spatiotemporal neurovascular signals from fMRI data. <i>Journal of Neuroscience Methods</i> , <b>2018</b> , 308, 6-20	3	6
216	Physiology-based ERPs in normal and abnormal states. <i>Biological Cybernetics</i> , <b>2018</b> , 112, 465-482	2.8	3
215	Dependence of absence seizure dynamics on physiological parameter evolution. <i>Journal of Theoretical Biology</i> , <b>2018</b> , 454, 11-21	2.3	5
214	Necessity of the sleep-wake cycle for synaptic homeostasis: system-level analysis of plasticity in the corticothalamic system. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171952	3.3	4
213	Dynamics of cortical activity eigenmodes including standing, traveling, and rotating waves. <i>Physical Review E</i> , <b>2018</b> , 98,	2.4	12
212	Spectrum of connectivity fluctuations including the effect of activity-dependent feedback. <i>Physical Review E</i> , <b>2018</b> , 98, 022319	2.4	1
211	K-complexes, spindles, and ERPs as impulse responses: unification via neural field theory. <i>Biological Cybernetics</i> , <b>2017</b> , 111, 149-164	2.8	9
210	Unified neural field theory of brain dynamics underlying oscillations in Parkinson's disease and generalized epilepsies. <i>Journal of Theoretical Biology</i> , <b>2017</b> , 428, 132-146	2.3	14
209	Inference of direct and multistep effective connectivities from functional connectivity of the brain and of relationships to cortical geometry. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 283, 42-54	3	16
208	Neural field model of seizure-like activity in isolated cortex. <i>Journal of Computational Neuroscience</i> , <b>2017</b> , 42, 307-321	1.4	1
207	The balanced and introspective brain. <i>Journal of the Royal Society Interface</i> , <b>2017</b> , 14,	4.1	12
206	Multistability in the corticothalamic system. <i>Journal of Theoretical Biology</i> , <b>2017</b> , 432, 141-156	2.3	4
205	Cortical geometry as a determinant of brain activity eigenmodes: Neural field analysis. <i>Physical Review E</i> , <b>2017</b> , 96, 032413	2.4	19

204	Critical dynamics of Hopf bifurcations in the corticothalamic system: Transitions from normal arousal states to epileptic seizures. <i>Physical Review E</i> , <b>2017</b> , 95, 042410	2.4	19
203	Theory of corticothalamic brain activity in a spherical geometry: Spectra, coherence, and correlation. <i>Physical Review E</i> , <b>2017</b> , 96, 052410	2.4	9
202	Effects of astrocytic dynamics on spatiotemporal hemodynamics: Modeling and enhanced data analysis. <i>NeuroImage</i> , <b>2017</b> , 147, 994-1005	7.9	16
201	Spectral signatures of activity-dependent neural feedback in the corticothalamic system. <i>Physical Review E</i> , <b>2017</b> , 96, 052310	2.4	3
200	Wake-sleep transition as a noisy bifurcation. <i>Physical Review E</i> , <b>2016</b> , 94, 022412	2.4	7
199	Eigenvector dynamics under perturbation of modular networks. <i>Physical Review E</i> , <b>2016</b> , 93, 062312	2.4	4
198	Calcium dependent plasticity applied to repetitive transcranial magnetic stimulation with a neural field model. <i>Journal of Computational Neuroscience</i> , <b>2016</b> , 41, 107-25	1.4	13
197	The spatiotemporal hemodynamic response function for depth-dependent functional imaging of human cortex. <i>NeuroImage</i> , <b>2016</b> , 139, 240-248	7.9	30
196	Real-time automated EEG tracking of brain states using neural field theory. <i>Journal of Neuroscience Methods</i> , <b>2016</b> , 258, 28-45	3	15
195	Shock-like haemodynamic responses induced in the primary visual cortex by moving visual stimuli. <i>Journal of the Royal Society Interface</i> , <b>2016</b> , 13,	4.1	8
194	Eigenmodes of brain activity: Neural field theory predictions and comparison with experiment. <i>NeuroImage</i> , <b>2016</b> , 142, 79-98	7.9	61
193	Response-mode decomposition of spatio-temporal haemodynamics. <i>Journal of the Royal Society Interface</i> , <b>2016</b> , 13,	4.1	8
192	Physiologically based arousal state estimation and dynamics. <i>Journal of Neuroscience Methods</i> , <b>2015</b> , 253, 55-69	3	49
191	Generalized seizures in a neural field model with bursting dynamics. <i>Journal of Computational Neuroscience</i> , <b>2015</b> , 39, 197-216	1.4	16
190	Neural field theory of nonlinear wave-wave and wave-neuron processes. <i>Physical Review E</i> , <b>2015</b> , 91, 062719	2.4	13
189	A Multiscale Working Brain Model. <i>Springer Series in Computational Neuroscience</i> , <b>2015</b> , 107-140	1.1	10
188	Slow-wave oscillations in a corticothalamic model of sleep and wake. <i>Journal of Theoretical Biology</i> , <b>2015</b> , 370, 93-102	2.3	10
187	Determination of effective brain connectivity from functional connectivity with application to resting state connectivities. <i>Physical Review E</i> , <b>2014</b> , 90, 012707	2.4	39

186	Prediction and verification of nonlinear sleep spindle harmonic oscillations. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 344, 70-7	2.3	32
185	Experimental observation of a theoretically predicted nonlinear sleep spindle harmonic in human EEG. <i>Clinical Neurophysiology</i> , <b>2014</b> , 125, 2016-23	4.3	21
184	Spatiotemporally varying visual hallucinations: I. Corticothalamic theory. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 357, 200-9	2.3	5
183	Spatiotemporally varying visual hallucinations: II. Spectral classification and comparison with theory. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 357, 210-9	2.3	2
182	Neural field theory of synaptic metaplasticity with applications to theta burst stimulation. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 340, 164-76	2.3	17
181	Low dimensional model of bursting neurons. <i>Journal of Computational Neuroscience</i> , <b>2014</b> , 36, 81-95	1.4	9
180	Neural masses and fields: modeling the dynamics of brain activity. <i>Frontiers in Computational Neuroscience</i> , <b>2014</b> , 8, 149	3.5	24
179	Spectral Characterization of Hierarchical Modularity in Product Architectures. <i>Journal of Mechanical Design, Transactions of the ASME</i> , <b>2014</b> , 136, 0110061-1100612	3	34
178	Determination of effective brain connectivity from functional connectivity using propagator-based interferometry and neural field theory with application to the corticothalamic system. <i>Physical Review E</i> , <b>2014</b> , 90, 042712	2.4	7
177	Deconvolution of neural dynamics from fMRI data using a spatiotemporal hemodynamic response function. <i>NeuroImage</i> , <b>2014</b> , 94, 203-215	7.9	31
176	Spatiotemporal hemodynamic response functions derived from physiology. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 347, 118-36	2.3	31
175	Exact evaluation of the rates of electrostatic decay and scattering off thermal ions for an unmagnetized Maxwellian plasma. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 082310	2.1	1
174	Discrete-network versus modal representations of brain activity: why a sparse regions-of-interest approach can work for analysis of continuous dynamics. <i>Physical Review E</i> , <b>2013</b> , 88, 054702	2.4	10
173	Langmuir snakes and electrostatic decay in the solar wind. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1934-1939	4.9	9
172	Firing patterns in a conductance-based neuron model: bifurcation, phase diagram, and chaos. <i>Biological Cybernetics</i> , <b>2013</b> , 107, 15-24	2.8	10
171	Neural field theory of calcium dependent plasticity with applications to transcranial magnetic stimulation. <i>Journal of Theoretical Biology</i> , <b>2013</b> , 324, 72-83	2.3	20
170	Neural field theory of plasticity in the cerebral cortex. <i>Journal of Theoretical Biology</i> , <b>2013</b> , 318, 44-57	2.3	20
169	Neural field theory with variance dynamics. <i>Journal of Mathematical Biology</i> , <b>2013</b> , 66, 1475-97	2	1

168	Cortical information flow in Parkinson's disease: a composite network/field model. <i>Frontiers in Computational Neuroscience</i> , <b>2013</b> , 7, 39	3.5	33
167	Relationships between Electroencephalographic Spectral Peaks Across Frequency Bands. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 56	3.3	22
166	Spike, rate, field, and hybrid methods for treating neuronal dynamics and interactions. <i>Journal of Neuroscience Methods</i> , <b>2012</b> , 205, 283-94	3	16
165	Interrelating anatomical, effective, and functional brain connectivity using propagators and neural field theory. <i>Physical Review E</i> , <b>2012</b> , 85, 011912	2.4	53
164	Nonzero azimuthal magnetic fields at the solar source surface: Extraction, model, and implications. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		11
163	Type II solar radio bursts: Modeling and extraction of shock parameters. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		12
162	Type II solar radio bursts: 2. Detailed comparison of theory with observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		7
161	Quantitative theory of driven nonlinear brain dynamics. <i>NeuroImage</i> , <b>2012</b> , 62, 1947-55	7.9	57
160	Exact evaluation of the quadratic longitudinal response function for an unmagnetized Maxwellian plasma. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 072308	2.1	3
159	Frequency Fine Structures of Type III Bursts Due to Localized Medium-Scale Density Structures Along Paths of Type III Beams. <i>Solar Physics</i> , <b>2012</b> , 279, 173-196	2.6	20
158	Three-dimensional electromagnetic strong turbulence: Dependence of the statistics and dynamics of strong turbulence on the electron to ion temperature ratio. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 022306	2.1	2
157	Beam-driven three-dimensional electromagnetic strong turbulence. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 082301	2.1	3
156	Hemodynamic traveling waves in human visual cortex. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002435	5	67
155	Complementarity of spike- and rate-based dynamics of neural systems. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002560	5	13
154	Corticothalamic dynamics: structure of parameter space, spectra, instabilities, and reduced model. <i>Physical Review E</i> , <b>2012</b> , 85, 011910	2.4	25
153	Propagation of radiation in fluctuating multiscale plasmas. I. Kinetic theory. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 113303	2.1	1
152	Evidence for reformation of the Uranian bow shock: Hybrid simulations and comparisons with Voyager data. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		10
151	Modeling 1 AU solar wind observations to estimate azimuthal magnetic fields at the solar source surface. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	13

150	Changes in mode properties versus mode conversion for waves in Earth's auroral ionosphere. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		6
149	Model-based analysis and quantification of age trends in auditory evoked potentials. <i>Clinical Neurophysiology</i> , <b>2011</b> , 122, 134-47	4.3	20
148	EFFECTS OF SPATIAL VARIATIONS IN CORONAL TEMPERATURES ON TYPE III BURSTS. I. VARIATIONS IN ELECTRON TEMPERATURE. <i>Astrophysical Journal</i> , <b>2011</b> , 730, 20	4.7	26
147	EFFECTS OF SPATIAL VARIATIONS IN CORONAL ELECTRON AND ION TEMPERATURES ON TYPE III BURSTS. II. VARIATIONS IN ION TEMPERATURE. <i>Astrophysical Journal</i> , <b>2011</b> , 730, 21	4.7	18
146	Quantitative modelling of sleep dynamics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2011</b> , 369, 3840-54	3	32
145	A resistive instability of lower hybrid-like waves in regions with parallel currents. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 082103	2.1	
144	Reactive instabilities of lower hybrid-like waves in regions with parallel currents. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 052111	2.1	1
143	Three-dimensional electromagnetic strong turbulence. I. Scalings, spectra, and field statistics. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 062301	2.1	9
142	Neural field theory of synaptic plasticity. <i>Journal of Theoretical Biology</i> , <b>2011</b> , 285, 156-63	2.3	25
141	Geometric effects on complex network structure in the cortex. <i>Physical Review Letters</i> , <b>2011</b> , 107, 018102	2.4	70
140	Biophysical mechanisms of multistability in resting-state cortical rhythms. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 6353-61	6.6	182
139	First-order thermal correction to the quadratic response tensor and rate for second harmonic plasma emission. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 022309	2.1	3
138	Fast numerical treatment of nonlinear wave equations by spectral methods. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 022103	2.1	8
137	Quantitative Modeling of Sleep Dynamics <b>2011</b> , 45-68		2
136	Waveform and envelope field statistics for waves with stochastically driven amplitudes. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 032110	2.1	6
135	Prediction of background levels for the Wind WAVES instrument and implications for the galactic background radiation. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		9
134	Neurophysiological changes with age probed by inverse modeling of EEG spectra. <i>Clinical Neurophysiology</i> , <b>2010</b> , 121, 21-38	4.3	58
133	Spatiotemporal BOLD dynamics from a poroelastic hemodynamic model. <i>Journal of Theoretical Biology</i> , <b>2010</b> , 265, 524-34	2.3	38

132	Dynamics of a beam of hot electrons propagating through a plasma in the presence of nonthermal electrons. <i>Physics of Plasmas</i> , <b>2009</b> , 16, 072901	2.1	6
131	Warm electromagnetic lower hybrid wave dispersion relation. <i>Physics of Plasmas</i> , <b>2009</b> , 16, 052105	2.1	22
130	Bistability and non-Gaussian fluctuations in spontaneous cortical activity. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 8512-24	6.6	135
129	Coupled Langmuir and nonlinear ion acoustic waves in the presence of non-thermal electrons. <i>Journal of Plasma Physics</i> , <b>2009</b> , 75, 193-202	2.7	3
128	Spatiotemporal dynamics of pattern formation in the primary visual cortex and hallucinations. <i>Biological Cybernetics</i> , <b>2009</b> , 101, 3-18	2.8	7
127	Mean-field modeling of the basal ganglia-thalamocortical system. II Dynamics of parkinsonian oscillations. <i>Journal of Theoretical Biology</i> , <b>2009</b> , 257, 664-88	2.3	75
126	Firing pattern of bursting neurons under sinusoidal drive in mean-field modeling. <i>Journal of Theoretical Biology</i> , <b>2009</b> , 259, 101-8	2.3	2
125	Dynamics of epileptic seizures: evolution, spreading, and suppression. <i>Journal of Theoretical Biology</i> , <b>2009</b> , 257, 527-32	2.3	46
124	Mean-field modeling of the basal ganglia-thalamocortical system. I Firing rates in healthy and parkinsonian states. <i>Journal of Theoretical Biology</i> , <b>2009</b> , 257, 642-63	2.3	93
123	Dynamical reconnection and stability constraints on cortical network architecture. <i>Physical Review Letters</i> , <b>2009</b> , 103, 108104	7.4	52
122	Quasilinear dynamics of a cloud of hot electrons propagating through a plasma with decreasing density and temperature. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 122904	2.1	8
121	Neural mechanisms of ERP change: combining insights from electrophysiology and mathematical modeling. <i>Journal of Integrative Neuroscience</i> , <b>2008</b> , 7, 529-50	1.5	10
120	Statistics of beam-driven waves in plasmas with ambient fluctuations: Reduced-parameter approach. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 092110	2.1	3
119	Modeling distributed axonal delays in mean-field brain dynamics. <i>Physical Review E</i> , <b>2008</b> , 78, 051901	2.4	24
118	Properties of lower hybrid waves. <i>Proceedings of the International Astronomical Union</i> , <b>2008</b> , 4, 569-573	0.1	2
117	Mean field model of acetylcholine mediated dynamics in the thalamocortical system. <i>Journal of Theoretical Biology</i> , <b>2008</b> , 255, 287-98	2.3	7
116	Theoretical modeling for the stereo mission. <i>Space Science Reviews</i> , <b>2008</b> , 136, 565-604	7.5	36
115	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , <b>2008</b> , 136, 487-528	7.5	269



114	Physiologically based calculation of steady-state evoked potentials and cortical wave velocities. <i>Biological Cybernetics</i> , <b>2008</b> , 98, 1-10	2.8	16
113	Physiology-based modeling of cortical auditory evoked potentials. <i>Biological Cybernetics</i> , <b>2008</b> , 98, 171-848		32
112	Neural rate equations for bursting dynamics derived from conductance-based equations. <i>Journal of Theoretical Biology</i> , <b>2008</b> , 250, 663-72	2.3	26
111	Automated characterization of multiple alpha peaks in multi-site electroencephalograms. <i>Journal of Neuroscience Methods</i> , <b>2008</b> , 168, 396-411	3	35
110	Compact dynamical model of brain activity. <i>Physical Review E</i> , <b>2007</b> , 75, 031907	2.4	37
109	Effects of overshoots on electron distributions upstream and downstream of quasi-perpendicular collisionless shocks. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		6
108	Field distributions and shapes of Langmuir wave packets observed by Ulysses in an interplanetary type III burst source region. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		24
107	Modeling and investigation of neural activity in the thalamus. <i>Journal of Theoretical Biology</i> , <b>2007</b> , 244, 1-14	2.3	5
106	Data-driven solar wind model and prediction of type II bursts. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	22
105	Visual gamma oscillations: waves, correlations, and other phenomena, including comparison with experimental data. <i>Biological Cybernetics</i> , <b>2007</b> , 97, 317-35	2.8	13
104	Spatiotemporal correlation functions in beam-driven plasmas with fluctuations. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 122111	2.1	3
103	Quasilinear dynamics of a cloud of hot electrons propagating through a plasma in the presence of an externally applied uniform electric field. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 122902	2.1	6
102	Fundamental emission via wave advection from a collapsing wave packet in electromagnetic strong plasma turbulence. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 100702	2.1	7
101	Propagation of a cloud of hot electrons through a plasma in the presence of Langmuir scattering by ambient density fluctuations. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 012903	2.1	8
100	Electromagnetic strong plasma turbulence. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 020703	2.1	13
99	Field statistics and correlation functions for stochastically growing waves. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 042105	2.1	6
98	A unifying explanation of primary generalized seizures through nonlinear brain modeling and bifurcation analysis. <i>Cerebral Cortex</i> , <b>2006</b> , 16, 1296-313	5.1	345
97	Patchy propagators, brain dynamics, and the generation of spatially structured gamma oscillations. <i>Physical Review E</i> , <b>2006</b> , 73, 041904	2.4	53

96	Multielectrode electroencephalogram power spectra: theory and application to approximate correction of volume conduction effects. <i>Physical Review E</i> , <b>2006</b> , 73, 051918	2.4	4
95	Numerical simulations of type-III solar radio bursts. <i>Physical Review Letters</i> , <b>2006</b> , 96, 145005	7.4	43
94	Statistics of polarization and Stokes parameters: Multiple orthonormal wave populations. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 012101	2.1	3
93	New regimes of stochastic wave growth: Theory, simulation, and comparison with data. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 112103	2.1	11
92	BOLD responses to stimuli: dependence on frequency, stimulus form, amplitude, and repetition rate. <i>NeuroImage</i> , <b>2006</b> , 31, 585-99	7.9	45
91	Quasilinear calculation of Langmuir wave generation and beam propagation in the presence of density fluctuations. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 082305	2.1	33
90	Stimulant drug action in attention deficit hyperactivity disorder (ADHD): inference of neurophysiological mechanisms via quantitative modelling. <i>Clinical Neurophysiology</i> , <b>2005</b> , 116, 324-35	4.3	26
89	Second harmonic electromagnetic emission via beam-driven Langmuir waves. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 012103-012103-15	2.1	36
88	Multiscale brain modelling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 360, 1043-50	5.8	115
87	Conditions for plasma emission in the solar wind and very local interstellar medium (VLISM). <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		5
86	Analysis of the electroencephalographic activity associated with thalamic tumors. <i>Journal of Theoretical Biology</i> , <b>2005</b> , 233, 271-86	2.3	10
85	Dynamics of fundamental electromagnetic emission via beam-driven Langmuir waves. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 052324	2.1	34
84	Propagator theory of brain dynamics. <i>Physical Review E</i> , <b>2005</b> , 72, 011904	2.4	53
83	New regimes of stochastic wave growth. <i>Physical Review Letters</i> , <b>2004</b> , 93, 235003	7.4	18
82	Spatially uniform and nonuniform analyses of electroencephalographic dynamics, with application to the topography of the alpha rhythm. <i>Physical Review E</i> , <b>2004</b> , 70, 011911	2.4	29
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