

Peter Robinson

List of Publications by Year in descending order

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239
papers

9,335
citations

46984

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docs citations

240
times ranked

4378
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unifying Explanation of Primary Generalized Seizures Through Nonlinear Brain Modeling and Bifurcation Analysis. <i>Cerebral Cortex</i> , 2006, 16, 1296-1313.	1.6	414
2	Propagation and stability of waves of electrical activity in the cerebral cortex. <i>Physical Review E</i> , 1997, 56, 826-840.	0.8	411
3	Dynamics of large-scale brain activity in normal arousal states and epileptic seizures. <i>Physical Review E</i> , 2002, 65, 041924.	0.8	386
4	Nonlinear wave collapse and strong turbulence. <i>Reviews of Modern Physics</i> , 1997, 69, 507-574.	16.4	370
5	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 487-528.	3.7	313
6	Prediction of electroencephalographic spectra from neurophysiology. <i>Physical Review E</i> , 2001, 63, 021903.	0.8	298
7	Biophysical Mechanisms of Multistability in Resting-State Cortical Rhythms. <i>Journal of Neuroscience</i> , 2011, 31, 6353-6361.	1.7	252
8	Estimation of multiscale neurophysiologic parameters by electroencephalographic means. <i>Human Brain Mapping</i> , 2004, 23, 53-72.	1.9	221
9	Unified neurophysical model of EEG spectra and evoked potentials. <i>Biological Cybernetics</i> , 2002, 86, 457-471.	0.6	204
10	Mechanisms of Cortical Electrical Activity and Emergence of Gamma Rhythm. <i>Journal of Theoretical Biology</i> , 2000, 205, 17-35.	0.8	168
11	Bistability and Non-Gaussian Fluctuations in Spontaneous Cortical Activity. <i>Journal of Neuroscience</i> , 2009, 29, 8512-8524.	1.7	161
12	Multiscale brain modelling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 1043-1050.	1.8	137
13	Modal analysis of corticothalamic dynamics, electroencephalographic spectra, and evoked potentials. <i>Physical Review E</i> , 2001, 63, 041909.	0.8	130
14	Mean-field modeling of the basal ganglia-thalamocortical system. I. <i>Journal of Theoretical Biology</i> , 2009, 257, 642-663.	0.8	129
15	Clumpy Langmuir waves in type III radio sources. <i>Solar Physics</i> , 1992, 139, 147-163.	1.0	126
16	Clumpy Langmuir waves in type III radio sources - Comparison of stochastic-growth theory with observations. <i>Astrophysical Journal</i> , 1993, 407, 790.	1.6	123
17	Title is missing!. , 1998, 181, 363-394.		121
18	Neurophysical Modeling of Brain Dynamics. <i>Neuropsychopharmacology</i> , 2003, 28, S74-S79.	2.8	112

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19	Eigenmodes of brain activity: Neural field theory predictions and comparison with experiment. <i>NeuroImage</i> , 2016, 142, 79-98.	2.1	101
20	Mean-field modeling of the basal ganglia-thalamocortical system. II. <i>Journal of Theoretical Biology</i> , 2009, 257, 664-688.	0.8	100
21	Toward an integrated continuum model of cerebral dynamics: the cerebral rhythms, synchronous oscillation and cortical stability. <i>BioSystems</i> , 2001, 63, 71-88.	0.9	99
22	Dynamics and efficiency of type III solar radio emission. <i>Astrophysical Journal</i> , 1994, 422, 870.	1.6	94
23	Steady states and global dynamics of electrical activity in the cerebral cortex. <i>Physical Review E</i> , 1998, 58, 3557-3571.	0.8	92
24	Hemodynamic Traveling Waves in Human Visual Cortex. <i>PLoS Computational Biology</i> , 2012, 8, e1002435.	1.5	81
25	Stochastic wave growth. <i>Physics of Plasmas</i> , 1995, 2, 1466-1479.	0.7	79
26	Geometric Effects on Complex Network Structure in the Cortex. <i>Physical Review Letters</i> , 2011, 107, 018102.	2.9	79
27	Effects of local feedback on dispersion of electrical waves in the cerebral cortex. <i>Physical Review E</i> , 1999, 59, 3320-3329.	0.8	73
28	Second harmonic electromagnetic emission via Langmuir wave coalescence. <i>Physics of Plasmas</i> , 1996, 3, 149-159.	0.7	72
29	Interrelating anatomical, effective, and functional brain connectivity using propagators and neural field theory. <i>Physical Review E</i> , 2012, 85, 011912.	0.8	72
30	Title is missing!. , 1998, 181, 395-428.		70
31	Neurophysiological changes with age probed by inverse modeling of EEG spectra. <i>Clinical Neurophysiology</i> , 2010, 121, 21-38.	0.7	70
32	Neurophysical theory of coherence and correlations of electroencephalographic and electrocorticographic signals. <i>Journal of Theoretical Biology</i> , 2003, 222, 163-175.	0.8	69
33	Relativistic plasma dispersion functions. <i>Journal of Mathematical Physics</i> , 1986, 27, 1206-1214.	0.5	67
34	Quantitative theory of driven nonlinear brain dynamics. <i>NeuroImage</i> , 2012, 62, 1947-1955.	2.1	66
35	Physiologically based arousal state estimation and dynamics. <i>Journal of Neuroscience Methods</i> , 2015, 253, 55-69.	1.3	65
36	Theory for low-frequency modulated Langmuir wave packets. <i>Geophysical Research Letters</i> , 1992, 19, 2187-2190.	1.5	62

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37	Transit time damping and the arrest of wave collapse. <i>Physics of Fluids B</i> , 1991, 3, 545-554.	1.7	59
38	Patchy propagators, brain dynamics, and the generation of spatially structured gamma oscillations. <i>Physical Review E</i> , 2006, 73, 041904.	0.8	59
39	Synchronous oscillations in the cerebral cortex. <i>Physical Review E</i> , 1998, 57, 4578-4588.	0.8	58
40	Propagator theory of brain dynamics. <i>Physical Review E</i> , 2005, 72, 011904.	0.8	57
41	Theoretically predicted properties of type II radio emission from an interplanetary foreshock. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	55
42	Dynamical Reconnection and Stability Constraints on Cortical Network Architecture. <i>Physical Review Letters</i> , 2009, 103, 108104.	2.9	55
43	Nonuniform corticothalamic continuum model of electroencephalographic spectra with application to split-alpha peaks. <i>Physical Review E</i> , 2003, 68, 021922.	0.8	54
44	Effects of geometric and refractive index disorder on wave propagation in two-dimensional photonic crystals. <i>Physical Review E</i> , 2000, 62, 5711-5720.	0.8	53
45	Dynamics of epileptic seizures: Evolution, spreading, and suppression. <i>Journal of Theoretical Biology</i> , 2009, 257, 527-532.	0.8	53
46	First test of stochastic growth theory for Langmuir waves in Earth's foreshock. <i>Geophysical Research Letters</i> , 1997, 24, 369-372.	1.5	51
47	Calculation of electromagnetic properties of regular and random arrays of metallic and dielectric cylinders. <i>Physical Review E</i> , 1999, 60, 7614-7617.	0.8	51
48	Compact dynamical model of brain activity. <i>Physical Review E</i> , 2007, 75, 031907.	0.8	51
49	Title is missing!. , 1998, 181, 429-437.		48
50	BOLD responses to stimuli: Dependence on frequency, stimulus form, amplitude, and repetition rate. <i>NeuroImage</i> , 2006, 31, 585-599.	2.1	48
51	Determination of effective brain connectivity from functional connectivity with application to resting state connectivities. <i>Physical Review E</i> , 2014, 90, 012707.	0.8	48
52	Quasiperiodic behavior in beam-driven strong Langmuir turbulence. <i>Physics of Fluids B</i> , 1989, 1, 2319-2329.	1.7	47
53	Numerical Simulations of Type-III Solar Radio Bursts. <i>Physical Review Letters</i> , 2006, 96, 145005.	2.9	47
54	Spatiotemporal BOLD dynamics from a poroelastic hemodynamic model. <i>Journal of Theoretical Biology</i> , 2010, 265, 524-534.	0.8	47

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55	Dynamics of beam-driven Langmuir and ion-acoustic waves including electrostatic decay. <i>Physics of Plasmas</i> , 2003, 10, 2748-2762.	0.7	46
56	Automated characterization of multiple alpha peaks in multi-site electroencephalograms. <i>Journal of Neuroscience Methods</i> , 2008, 168, 396-411.	1.3	45
57	Cortical information flow in Parkinson's disease: a composite network/field model. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 39.	1.2	43
58	Deconvolution of neural dynamics from fMRI data using a spatiotemporal hemodynamic response function. <i>NeuroImage</i> , 2014, 94, 203-215.	2.1	43
59	The spatiotemporal hemodynamic response function for depth-dependent functional imaging of human cortex. <i>NeuroImage</i> , 2016, 139, 240-248.	2.1	43
60	Spectral Characterization of Hierarchical Modularity in Product Architectures ¹ . <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2014, 136, 0110061-1100612.	1.7	42
61	Biophysical modeling of neural plasticity induced by transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2018, 129, 1230-1241.	0.7	42
62	Multiple electron beam propagation and Langmuir wave generation in plasmas. <i>Physics of Plasmas</i> , 2002, 9, 2976-2987.	0.7	40
63	Interpretation of scaling properties of electroencephalographic fluctuations via spectral analysis and underlying physiology. <i>Physical Review E</i> , 2003, 67, 032902.	0.8	40
64	Theoretical modeling for the stereo mission. <i>Space Science Reviews</i> , 2008, 136, 565-604.	3.7	40
65	Thermal and driven stochastic growth of Langmuir waves in the solar wind and Earth's foreshock. <i>Geophysical Research Letters</i> , 2000, 27, 61-64.	1.5	39
66	Constraints on Nonlinear and Stochastic Growth Theories for Type III Solar Radio Bursts from the Corona to 1 AU. <i>Astrophysical Journal</i> , 1998, 509, 471-481.	1.6	38
67	Simulated Electrocortical Activity at Microscopic, Mesoscopic, and Global Scales. <i>Neuropsychopharmacology</i> , 2003, 28, S80-S93.	2.8	38
68	Second harmonic electromagnetic emission via beam-driven Langmuir waves. <i>Physics of Plasmas</i> , 2005, 12, 012103-012103-15.	0.7	38
69	Spatiotemporal hemodynamic response functions derived from physiology. <i>Journal of Theoretical Biology</i> , 2014, 347, 118-136.	0.8	38
70	Quantitative modelling of sleep dynamics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3840-3854.	1.6	37
71	Physiology-based modeling of cortical auditory evoked potentials. <i>Biological Cybernetics</i> , 2008, 98, 171-184.	0.6	36
72	Prediction and verification of nonlinear sleep spindle harmonic oscillations. <i>Journal of Theoretical Biology</i> , 2014, 344, 70-77.	0.8	36

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73	Relationships between Electroencephalographic Spectral Peaks Across Frequency Bands. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 56.	1.0	35
74	Dynamics of fundamental electromagnetic emission via beam-driven Langmuir waves. <i>Physics of Plasmas</i> , 2005, 12, 052324.	0.7	34
75	Quasilinear calculation of Langmuir wave generation and beam propagation in the presence of density fluctuations. <i>Physics of Plasmas</i> , 2006, 13, 082305.	0.7	34
76	Corticothalamic dynamics: Structure of parameter space, spectra, instabilities, and reduced model. <i>Physical Review E</i> , 2012, 85, 011910.	0.8	34
77	Spatially uniform and nonuniform analyses of electroencephalographic dynamics, with application to the topography of the alpha rhythm. <i>Physical Review E</i> , 2004, 70, 011911.	0.8	33
78	Stimulant drug action in attention deficit hyperactivity disorder (ADHD): inference of neurophysiological mechanisms via quantitative modelling. <i>Clinical Neurophysiology</i> , 2005, 116, 324-335.	0.7	33
79	Neural field theory of synaptic plasticity. <i>Journal of Theoretical Biology</i> , 2011, 285, 156-163.	0.8	33
80	Neural masses and fields: modeling the dynamics of brain activity. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 149.	1.2	33
81	strong Langmuir turbulence at Jupiter?. <i>Geophysical Research Letters</i> , 1992, 19, 1069-1072.	1.5	31
82	Maximum Langmuir fields in planetary foreshocks determined from the electrostatic decay threshold. <i>Geophysical Research Letters</i> , 1995, 22, 2657-2660.	1.5	31
83	The gouy phase shift as a geometrical quantum effect. <i>Journal of Modern Optics</i> , 1996, 43, 219-221.	0.6	30
84	Real-time automated EEG tracking of brain states using neural field theory. <i>Journal of Neuroscience Methods</i> , 2016, 258, 28-45.	1.3	30
85	Modeling distributed axonal delays in mean-field brain dynamics. <i>Physical Review E</i> , 2008, 78, 051901.	0.8	29
86	Neural field theory of calcium dependent plasticity with applications to transcranial magnetic stimulation. <i>Journal of Theoretical Biology</i> , 2013, 324, 72-83.	0.8	29
87	Cortical geometry as a determinant of brain activity eigenmodes: Neural field analysis. <i>Physical Review E</i> , 2017, 96, 032413.	0.8	29
88	Critical dynamics of Hopf bifurcations in the corticothalamic system: Transitions from normal arousal states to epileptic seizures. <i>Physical Review E</i> , 2017, 95, 042410.	0.8	29
89	Wave-number spectrum of electroencephalographic signals. <i>Physical Review E</i> , 2002, 66, 061905.	0.8	28
90	Neural rate equations for bursting dynamics derived from conductance-based equations. <i>Journal of Theoretical Biology</i> , 2008, 250, 663-672.	0.8	28

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91	EFFECTS OF SPATIAL VARIATIONS IN CORONAL TEMPERATURES ON TYPE III BURSTS. I. VARIATIONS IN ELECTRON TEMPERATURE. <i>Astrophysical Journal</i> , 2011, 730, 20.	1.6	28
92	Inconsistency of Ulysses millisecond Langmuir spikes with wave collapse in type III radio sources. <i>Geophysical Research Letters</i> , 1995, 22, 3437-3440.	1.5	27
93	Type II radio emission predictions: Multiple shock ripples and dynamic spectra. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	27
94	Warm electromagnetic lower hybrid wave dispersion relation. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	27
95	Physical brain connectomics. <i>Physical Review E</i> , 2019, 99, 012421.	0.8	27
96	Data-driven solar wind model and prediction of type II bursts. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	25
97	Experimental observation of a theoretically predicted nonlinear sleep spindle harmonic in human EEG. <i>Clinical Neurophysiology</i> , 2014, 125, 2016-2023.	0.7	25
98	Stochastic growth of localized plasma waves. <i>Physics of Plasmas</i> , 2001, 8, 2394-2400.	0.7	24
99	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> , 2007, 112, n/a-n/a.	3.3	24
100	Neural field theory of plasticity in the cerebral cortex. <i>Journal of Theoretical Biology</i> , 2013, 318, 44-57.	0.8	24
101	Neural field theory of synaptic metaplasticity with applications to theta burst stimulation. <i>Journal of Theoretical Biology</i> , 2014, 340, 164-176.	0.8	24
102	Dynamics of cortical activity eigenmodes including standing, traveling, and rotating waves. <i>Physical Review E</i> , 2018, 98, .	0.8	24
103	Transit-time interactions in magnetized plasmas. <i>Physics of Fluids B</i> , 1993, 5, 1045-1056.	1.7	23
104	Model-based analysis and quantification of age trends in auditory evoked potentials. <i>Clinical Neurophysiology</i> , 2011, 122, 134-147.	0.7	23
105	Frequency Fine Structures of Type III Bursts Due to Localized Medium-Scale Density Structures Along Paths of Type III Beams. <i>Solar Physics</i> , 2012, 279, 173-196.	1.0	23
106	Properties of transit-time interactions in magnetized plasmas: Analytic and numerical results. <i>Physics of Fluids B</i> , 1993, 5, 2751-2763.	1.7	22
107	EFFECTS OF SPATIAL VARIATIONS IN CORONAL ELECTRON AND ION TEMPERATURES ON TYPE III BURSTS. II. VARIATIONS IN ION TEMPERATURE. <i>Astrophysical Journal</i> , 2011, 730, 21.	1.6	22
108	Generalized seizures in a neural field model with bursting dynamics. <i>Journal of Computational Neuroscience</i> , 2015, 39, 197-216.	0.6	22

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109	Effects of astrocytic dynamics on spatiotemporal hemodynamics: Modeling and enhanced data analysis. <i>NeuroImage</i> , 2017, 147, 994-1005.	2.1	22
110	Relativistic plasma dispersion functions: Series, integrals, and approximations. <i>Journal of Mathematical Physics</i> , 1987, 28, 1203-1205.	0.5	21
111	Dispersion of electron Bernstein waves including weakly relativistic and electromagnetic effects. Part 2. Extraordinary modes. <i>Journal of Plasma Physics</i> , 1987, 37, 449-465.	0.7	21
112	Progress on Coronal, Interplanetary, Foreshock, and Outer Heliospheric Radio Emissions. <i>Publications of the Astronomical Society of Australia</i> , 2000, 17, 22-34.	1.3	21
113	Wave damping as a critical phenomenon. <i>Physics of Plasmas</i> , 2004, 11, 4649-4661.	0.7	21
114	Electron cyclotron waves: dispersion and accessibility conditions in isotropic and anisotropic plasmas. <i>Journal of Plasma Physics</i> , 1986, 35, 187-207.	0.7	20
115	A quantitative theory for terrestrial foreshock radio emissions. <i>Geophysical Research Letters</i> , 2002, 29, 2-1-2-4.	1.5	20
116	Wave-number spectrum of electrocorticographic signals. <i>Physical Review E</i> , 2003, 67, 051912.	0.8	19
117	Physiologically based calculation of steady-state evoked potentials and cortical wave velocities. <i>Biological Cybernetics</i> , 2008, 98, 1-10.	0.6	19
118	Unified neural field theory of brain dynamics underlying oscillations in Parkinson's disease and generalized epilepsies. <i>Journal of Theoretical Biology</i> , 2017, 428, 132-146.	0.8	19
119	New Regimes of Stochastic Wave Growth. <i>Physical Review Letters</i> , 2004, 93, 235003.	2.9	18
120	Theory for 2-3 kHz radiation from the outer heliosphere. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	18
121	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> , 2017, 283, 42-54.	1.3	18
122	Neural mechanisms of the EEG alpha-BOLD anticorrelation. <i>NeuroImage</i> , 2018, 181, 461-470.	2.1	18
123	Low dimensional model of bursting neurons. <i>Journal of Computational Neuroscience</i> , 2014, 36, 81-95.	0.6	17
124	Calcium dependent plasticity applied to repetitive transcranial magnetic stimulation with a neural field model. <i>Journal of Computational Neuroscience</i> , 2016, 41, 107-125.	0.6	17
125	Electron-cyclotron maser theory for extraordinary Bernstein waves. <i>Journal of Plasma Physics</i> , 1997, 58, 171-191.	0.7	16
126	Spike, rate, field, and hybrid methods for treating neuronal dynamics and interactions. <i>Journal of Neuroscience Methods</i> , 2012, 205, 283-294.	1.3	16

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127	Firing patterns in a conductance-based neuron model: bifurcation, phase diagram, and chaos. <i>Biological Cybernetics</i> , 2013, 107, 15-24.	0.6	16
128	Dispersion of electron Bernstein waves including weakly relativistic and electromagnetic effects. Part 1. Ordinary modes. <i>Journal of Plasma Physics</i> , 1987, 37, 435-447.	0.7	15
129	Local transit-time damping in a magnetic field, and the arrest of lower-hybrid wave collapse. <i>Physics of Plasmas</i> , 1996, 3, 1263-1279.	0.7	15
130	Langmuir field structures favored in wave collapse. <i>Physics of Plasmas</i> , 1996, 3, 122-132.	0.7	15
131	Visual gamma oscillations: waves, correlations, and other phenomena, including comparison with experimental data. <i>Biological Cybernetics</i> , 2007, 97, 317-335.	0.6	15
132	Modeling 1 AU solar wind observations to estimate azimuthal magnetic fields at the solar source surface. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	15
133	Complementarity of Spike- and Rate-Based Dynamics of Neural Systems. <i>PLoS Computational Biology</i> , 2012, 8, e1002560.	1.5	15
134	The balanced and introspective brain. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160994.	1.5	15
135	Stochastic wave growth, power balance, and beam evolution in type III solar radio sources. <i>Solar Physics</i> , 1996, 168, 357-374.	1.0	14
136	Scalings, spectra, and statistics of strong wave turbulence. <i>Physics of Plasmas</i> , 1996, 3, 192-201.	0.7	14
137	Effect of ambient density fluctuations on Langmuir wave collapse and strong turbulence. <i>Physics of Plasmas</i> , 1999, 6, 3057-3065.	0.7	14
138	Neural field theory of nonlinear wave-wave and wave-neuron processes. <i>Physical Review E</i> , 2015, 91, 062719.	0.8	14
139	Theory of corticothalamic brain activity in a spherical geometry: Spectra, coherence, and correlation. <i>Physical Review E</i> , 2017, 96, 052410.	0.8	14
140	Thermal effects on parallel-propagating electron cyclotron waves. <i>Journal of Plasma Physics</i> , 1987, 37, 149-162.	0.7	13
141	Analytic treatment of electromagnetic emission near the plasma frequency via Langmuir wave decay. <i>Physics of Plasmas</i> , 1999, 6, 3799-3807.	0.7	13
142	Analytic treatment of weak-turbulence Langmuir wave electrostatic decay. <i>Physics of Plasmas</i> , 2001, 8, 428-440.	0.7	13
143	New constraints and energy conversion efficiencies for plasma emission. <i>Physics of Plasmas</i> , 2003, 10, 3315-3320.	0.7	13
144	Unifying and interpreting the spectral wavenumber content of EEGs, ECoGs, and ERPs. <i>Journal of Theoretical Biology</i> , 2004, 231, 397-412.	0.8	13

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145	Electromagnetic strong plasma turbulence. <i>Physics of Plasmas</i> , 2007, 14, 020703.	0.7	13
146	NEURAL MECHANISMS OF ERP CHANGE: COMBINING INSIGHTS FROM ELECTROPHYSIOLOGY AND MATHEMATICAL MODELING. <i>Journal of Integrative Neuroscience</i> , 2008, 07, 529-550.	0.8	13
147	Type II solar radio bursts: Modeling and extraction of shock parameters. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
148	Bursty Wave Instabilities in Open Driven Plasmas. <i>Physical Review Letters</i> , 1996, 76, 3558-3561.	2.9	12
149	Unified theory of monochromatic and broadband modulational and decay instabilities of Langmuir waves. <i>Physics of Plasmas</i> , 2002, 9, 4149-4159.	0.7	12
150	Nonzero azimuthal magnetic fields at the solar source surface: Extraction, model, and implications. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	12
151	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> , 2013, 88, 054702.	0.8	12
152	A Multiscale "Working Brain" Model. <i>Springer Series in Computational Neuroscience</i> , 2015, , 107-140.	0.3	12
153	Mean field theory of the coherent to random-phase state transition in three-wave interactions. <i>Physics of Plasmas</i> , 2002, 9, 4896-4904.	0.7	11
154	New regimes of stochastic wave growth: Theory, simulation, and comparison with data. <i>Physics of Plasmas</i> , 2006, 13, 112103.	0.7	11
155	Prediction of background levels for the Wind WAVES instrument and implications for the galactic background radiation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
156	Evidence for reformation of the Uranian bow shock: Hybrid simulations and comparisons with Voyager data. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	11
157	Slow-wave oscillations in a corticothalamic model of sleep and wake. <i>Journal of Theoretical Biology</i> , 2015, 370, 93-102.	0.8	11
158	Neural field theory of perceptual echo and implications for estimating brain connectivity. <i>Physical Review E</i> , 2018, 97, 042418.	0.8	11
159	Electric field distributions for Langmuir waves in planetary foreshocks. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	10
160	Analysis of the electroencephalographic activity associated with thalamic tumors. <i>Journal of Theoretical Biology</i> , 2005, 233, 271-286.	0.8	10
161	Langmuir "sneak" and electrostatic decay in the solar wind. <i>Geophysical Research Letters</i> , 2013, 40, 1934-1939.	1.5	10
162	Response-mode decomposition of spatio-temporal haemodynamics. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160253.	1.5	10

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163	Wake-sleep transition as a noisy bifurcation. <i>Physical Review E</i> , 2016, 94, 022412.	0.8	10
164	Neural field theory of evoked response potentials in a spherical brain geometry. <i>Physical Review E</i> , 2019, 99, 062304.	0.8	10
165	Evoked response activity eigenmode analysis in a convoluted cortex via neural field theory. <i>Physical Review E</i> , 2020, 102, 062303.	0.8	10
166	Reversal of the Sense of Polarisation in Solar and Stellar Radio Flares. <i>Publications of the Astronomical Society of Australia</i> , 1994, 11, 16-20.	1.3	9
167	Exact evaluation of the quadratic response tensor for three-wave interactions in Maxwellian plasmas. <i>Physics of Plasmas</i> , 1998, 5, 1279-1287.	0.7	9
168	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> , 2007, 14, 012903.	0.7	9
169	Three-dimensional electromagnetic strong turbulence. I. Scalings, spectra, and field statistics. <i>Physics of Plasmas</i> , 2011, 18, 062301.	0.7	9
170	Type II solar radio bursts: 2. Detailed comparison of theory with observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
171	Shock-like haemodynamic responses induced in the primary visual cortex by moving visual stimuli. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160576.	1.5	9
172	K-complexes, spindles, and ERPs as impulse responses: unification via neural field theory. <i>Biological Cybernetics</i> , 2017, 111, 149-164.	0.6	9
173	Unified analysis of global and focal aspects of absence epilepsy via neural field theory of the corticothalamic system. <i>Physical Review E</i> , 2019, 100, 032405.	0.8	9
174	Quasilinear dynamics of a cloud of hot electrons propagating through a plasma with decreasing density and temperature. <i>Physics of Plasmas</i> , 2008, 15, 122904.	0.7	8
175	Fast numerical treatment of nonlinear wave equations by spectral methods. <i>Physics of Plasmas</i> , 2011, 18, 022103.	0.7	8
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