

Eckehard SchÄgll

List of Publications by Year in descending order

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291
papers

12,452
citations

26630

56
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40979

93
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300
all docs

300
docs citations

300
times ranked

3203
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental observation of chimeras in coupled-map lattices. <i>Nature Physics</i> , 2012, 8, 658-661.	16.7	515
2	Loss of Coherence in Dynamical Networks: Spatial Chaos and Chimera States. <i>Physical Review Letters</i> , 2011, 106, 234102.	7.8	366
3	When Nonlocal Coupling between Oscillators Becomes Stronger: Patched Synchrony or Multichimera States. <i>Physical Review Letters</i> , 2013, 110, 224101.	7.8	344
4	Nonequilibrium Phase Transitions in Semiconductors. <i>Springer Series in Synergetics</i> , 1987, , .	0.4	318
5	Chimera Death: Symmetry Breaking in Dynamical Networks. <i>Physical Review Letters</i> , 2014, 112, 154101.	7.8	309
6	Synchronization patterns and chimera states in complex networks: Interplay of topology and dynamics. <i>European Physical Journal: Special Topics</i> , 2016, 225, 891-919.	2.6	201
7	Robustness of chimera states for coupled FitzHugh-Nagumo oscillators. <i>Physical Review E</i> , 2015, 91, 022917.	2.1	187
8	Delayed Feedback as a Means of Control of Noise-Induced Motion. <i>Physical Review Letters</i> , 2004, 93, 010601.	7.8	185
9	Transition from spatial coherence to incoherence in coupled chaotic systems. <i>Physical Review E</i> , 2012, 85, 026212.	2.1	171
10	Control of unstable steady states by time-delayed feedback methods. <i>Physical Review E</i> , 2005, 72, 046203.	2.1	170
11	Cluster and group synchronization in delay-coupled networks. <i>Physical Review E</i> , 2012, 86, 016202.	2.1	164
12	Coherence-Resonance Chimeras in a Network of Excitable Elements. <i>Physical Review Letters</i> , 2016, 117, 014102.	7.8	163
13	Refuting the Odd-Number Limitation of Time-Delayed Feedback Control. <i>Physical Review Letters</i> , 2007, 98, 114101.	7.8	158
14	Broadband Chaos Generated by an Optoelectronic Oscillator. <i>Physical Review Letters</i> , 2010, 104, 113901.	7.8	150
15	Time-delayed feedback in neurosystems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 1079-1096.	3.4	141
16	Synchronizing Distant Nodes: A Universal Classification of Networks. <i>Physical Review Letters</i> , 2010, 105, 254101.	7.8	138
17	Simple model for multistability and domain formation in semiconductor superlattices. <i>Physical Review B</i> , 1994, 50, 1705-1712.	3.2	130
18	Controlling synchrony by delay coupling in networks: From in-phase to splay and cluster states. <i>Physical Review E</i> , 2010, 81, 025205.	2.1	128

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19	Transient scaling and resurgence of chimera states in networks of Boolean phase oscillators. <i>Physical Review E</i> , 2014, 90, 030902.	2.1	114
20	Strong and Weak Chaos in Nonlinear Networks with Time-Delayed Couplings. <i>Physical Review Letters</i> , 2011, 107, 234102.	7.8	111
21	Chimera states in brain networks: Empirical neural vs. modular fractal connectivity. <i>Chaos</i> , 2018, 28, 045112.	2.5	109
22	Quantum-Dot Lasers – Desynchronized Nonlinear Dynamics of Electrons and Holes. <i>IEEE Journal of Quantum Electronics</i> , 2009, 45, 1396-1403.	1.9	107
23	Delayed feedback control of chaos: Bifurcation analysis. <i>Physical Review E</i> , 2005, 71, 016222.	2.1	105
24	Amplitude-phase coupling drives chimera states in globally coupled laser networks. <i>Physical Review E</i> , 2015, 91, 040901.	2.1	104
25	Adaptive synchronization in delay-coupled networks of Stuart-Landau oscillators. <i>Physical Review E</i> , 2012, 85, 016201.	2.1	98
26	Chimera states in networks of Van der Pol oscillators with hierarchical connectivities. <i>Chaos</i> , 2016, 26, 094825.	2.5	98
27	All-Optical Noninvasive Control of Unstable Steady States in a Semiconductor Laser. <i>Physical Review Letters</i> , 2006, 97, 213902.	7.8	96
28	Giant Improvement of Time-Delayed Feedback Control by Spatio-Temporal Filtering. <i>Physical Review Letters</i> , 2002, 89, 074101.	7.8	95
29	Chimera states in population dynamics: Networks with fragmented and hierarchical connectivities. <i>Physical Review E</i> , 2015, 92, 012915.	2.1	93
30	Mechanisms of appearance of amplitude and phase chimera states in ensembles of nonlocally coupled chaotic systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 43, 25-36.	3.3	93
31	Generic spatiotemporal dynamics near codimension-two Turing-Hopf bifurcations. <i>Physical Review E</i> , 1997, 55, 6690-6697.	2.1	91
32	Experimental Observations of Group Synchrony in a System of Chaotic Optoelectronic Oscillators. <i>Physical Review Letters</i> , 2013, 110, 064104.	7.8	91
33	Control of unstable steady states by long delay feedback. <i>Physical Review E</i> , 2006, 74, 026201.	2.1	85
34	Quantum signatures of chimera states. <i>Physical Review E</i> , 2015, 92, 062924.	2.1	85
35	Control of noise-induced oscillations by delayed feedback. <i>Physica D: Nonlinear Phenomena</i> , 2004, 199, 1-12.	2.8	83
36	Nonlinearity of local dynamics promotes multi-chimeras. <i>Chaos</i> , 2015, 25, 083104.	2.5	81

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37	Chimera patterns induced by distance-dependent power-law coupling in ecological networks. <i>Physical Review E</i> , 2016, 94, 032206.	2.1	79
38	Control of Synchronization Patterns in Neural-like Boolean Networks. <i>Physical Review Letters</i> , 2013, 110, 104102.	7.8	78
39	Tweezers for Chimeras in Small Networks. <i>Physical Review Letters</i> , 2016, 116, 114101.	7.8	76
40	Beyond the odd number limitation: A bifurcation analysis of time-delayed feedback control. <i>Physical Review E</i> , 2007, 76, 026210.	2.1	75
41	Comparison of time-delayed feedback schemes for spatiotemporal control of chaos in a reaction-diffusion system with global coupling. <i>Physical Review E</i> , 2002, 66, 016213.	2.1	74
42	Chimera patterns under the impact of noise. <i>Physical Review E</i> , 2016, 93, 012209.	2.1	74
43	FitzHugh-Nagumo oscillators on complex networks mimic epileptic-seizure-related synchronization phenomena. <i>Chaos</i> , 2020, 30, 123130.	2.5	74
44	Noise-Induced Front Motion: Signature of a Global Bifurcation. <i>Physical Review Letters</i> , 2006, 96, 244104.	7.8	73
45	Does hyperbolicity impede emergence of chimera states in networks of nonlocally coupled chaotic oscillators?. <i>Europhysics Letters</i> , 2015, 112, 40002.	2.0	72
46	Bubbling in delay-coupled lasers. <i>Physical Review E</i> , 2009, 79, 065201.	2.1	71
47	Self-organized emergence of multilayer structure and chimera states in dynamical networks with adaptive couplings. <i>Physical Review E</i> , 2017, 96, 062211.	2.1	70
48	Criteria for stability in bistable electrical devices with ϵ - or Z -shaped current voltage characteristic. <i>Journal of Applied Physics</i> , 1995, 78, 7352-7357.	2.5	68
49	Noise-induced cooperative dynamics and its control in coupled neuron models. <i>Physical Review E</i> , 2006, 74, 051906.	2.1	66
50	Some basic remarks on eigenmode expansions of time-delay dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 373, 191-202.	2.6	65
51	Symmetry-breaking transitions in networks of nonlinear circuit elements. <i>New Journal of Physics</i> , 2010, 12, 113030.	2.9	63
52	Delay controls chimera relay synchronization in multiplex networks. <i>Physical Review E</i> , 2018, 98, .	2.1	63
53	Control of chaotic spatiotemporal spiking by time-delay autosynchronization. <i>Physical Review E</i> , 1999, 60, 5426-5434.	2.1	61
54	Two-dimensional wave patterns of spreading depolarization: Retracting, re-entrant, and stationary waves. <i>Physica D: Nonlinear Phenomena</i> , 2010, 239, 889-903.	2.8	59

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55	Bistability and nonequilibrium phase transitions in a semiconductor recombination model with impact ionization of donors. <i>Zeitschrift für Physik B Condensed Matter and Quanta</i> , 1982, 46, 23-30.	1.9	58
56	Modeling quantum dot lasers with optical feedback: sensitivity of bifurcation scenarios. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 829-845.	1.5	58
57	Delayed-feedback chimera states: Forced multicusters and stochastic resonance. <i>Europhysics Letters</i> , 2016, 115, 10005.	2.0	58
58	Chimera states in complex networks: interplay of fractal topology and delay. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1883-1892.	2.6	58
59	Mean-field approximation of time-delayed feedback control of noise-induced oscillations in the Van der Pol system. <i>Europhysics Letters</i> , 2005, 71, 366-372.	2.0	54
60	Failure of feedback as a putative common mechanism of spreading depolarizations in migraine and stroke. <i>Chaos</i> , 2008, 18, 026110.	2.5	54
61	DYNAMICS OF DELAY-COUPLED EXCITABLE NEURAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 745-753.	1.7	54
62	Delayed complex systems: an overview. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 303-304.	3.4	54
63	Time delay control of symmetry-breaking primary and secondary oscillation death. <i>Europhysics Letters</i> , 2013, 104, 50004.	2.0	54
64	Time-delay autosynchronization of the spatiotemporal dynamics in resonant tunneling diodes. <i>Physical Review E</i> , 2003, 68, 026204.	2.1	53
65	Transient Spatio-Temporal Chaos in a Reaction-Diffusion Model. <i>Europhysics Letters</i> , 1995, 31, 257-262.	2.0	52
66	Loss of synchronization in complex neuronal networks with delay. <i>Europhysics Letters</i> , 2011, 96, 60013.	2.0	52
67	Lateral current density fronts in globally coupled bistable semiconductors with S- or Z-shaped current voltage characteristics. <i>European Physical Journal B</i> , 2000, 13, 157-168.	1.5	50
68	Increase of coherence in excitable systems by delayed feedback. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 11045-11055.	2.1	50
69	Control of unstable steady states by extended time-delayed feedback. <i>Physical Review E</i> , 2007, 76, 056201.	2.1	50
70	Dynamics, control and information in delay-coupled systems: an overview. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120465.	3.4	49
71	Amplitude death in oscillator networks with variable-delay coupling. <i>Physical Review E</i> , 2014, 89, 032915.	2.1	49
72	Amplitude and phase dynamics in oscillators with distributed-delay coupling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120466.	3.4	48

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73	Bistable Dynamics Underlying Excitability of Ion Homeostasis in Neuron Models. PLoS Computational Biology, 2014, 10, e1003551.	3.2	48
74	COMPLEX DYNAMICS OF SEMICONDUCTOR QUANTUM DOT LASERS SUBJECT TO DELAYED OPTICAL FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250246.	1.7	47
75	Controlling cluster synchronization by adapting the topology. Physical Review E, 2014, 90, 042914.	2.1	47
76	Stable and transient multicluster oscillation death in nonlocally coupled networks. Physical Review E, 2015, 92, 052915.	2.1	47
77	Multiclusters in Networks of Adaptively Coupled Phase Oscillators. SIAM Journal on Applied Dynamical Systems, 2019, 18, 2227-2266.	1.6	47
78	Dynamic scenarios of multistable switching in semiconductor superlattices. Physical Review E, 2001, 63, 066207.	2.1	46
79	Chaotic front dynamics in semiconductor superlattices. Physical Review B, 2002, 65, .	3.2	46
80	Suppressing noise-induced intensity pulsations in semiconductor lasers by means of time-delayed feedback. Physical Review E, 2007, 76, 066202.	2.1	46
81	Controlling the onset of traveling pulses in excitable media by nonlocal spatial coupling and time-delayed feedback. Chaos, 2009, 19, 015110.	2.5	46
82	Time-delayed feedback control of coherence resonance chimeras. Chaos, 2017, 27, 114320.	2.5	46
83	Enhancing power grid synchronization and stability through time-delayed feedback control. Physical Review E, 2019, 100, 062306.	2.1	46
84	Birth and Stabilization of Phase Clusters by Multiplexing of Adaptive Networks. Physical Review Letters, 2020, 124, 088301.	7.8	46
85	Desynchronization Transitions in Adaptive Networks. Physical Review Letters, 2021, 126, 028301.	7.8	46
86	Control of surface roughness in amorphous thin-film growth. Applied Physics Letters, 2004, 84, 4167-4169.	3.3	45
87	Partial synchronization in empirical brain networks as a model for unihemispheric sleep. Europhysics Letters, 2019, 126, 50007.	2.0	45
88	Improvement of time-delayed feedback control by periodic modulation: Analytical theory of Floquet mode control scheme. Physical Review E, 2003, 67, 026222.	2.1	44
89	Amplitude death in systems of coupled oscillators with distributed-delay coupling. European Physical Journal B, 2011, 84, 307-315.	1.5	44
90	Coherence resonance and stochastic synchronization in a nonlinear circuit near a subcritical Hopf bifurcation. European Physical Journal: Special Topics, 2013, 222, 2481-2495.	2.6	44

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91	Coherence resonance in a network of FitzHugh-Nagumo systems: Interplay of noise, time-delay, and topology. <i>Chaos</i> , 2017, 27, 101102.	2.5	44
92	Impact ionization within the hydrodynamic approach to semiconductor transport. <i>Solid-State Electronics</i> , 1993, 36, 1493-1505.	1.4	43
93	Control of spatiotemporal patterns in the Gray-Scott model. <i>Chaos</i> , 2009, 19, 043126.	2.5	43
94	Stability of current filaments in a bistable semiconductor system with global coupling. <i>Physical Review E</i> , 1998, 57, 2640-2649.	2.1	42
95	Bifurcation analysis of stationary and oscillating domains in semiconductor superlattices with doping fluctuations. <i>Physical Review B</i> , 1998, 57, 1824-1833.	3.2	42
96	Synchronization of networks of oscillators with distributed delay coupling. <i>Chaos</i> , 2014, 24, 043117.	2.5	42
97	Amplitude chimeras and chimera death in dynamical networks. <i>Journal of Physics: Conference Series</i> , 2016, 727, 012018.	0.4	42
98	Chimeras in leaky integrate-and-fire neural networks: effects of reflecting connectivities. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	41
99	Delay stabilization of rotating waves near fold bifurcation and application to all-optical control of a semiconductor laser. <i>Physical Review E</i> , 2008, 77, 066207.	2.1	40
100	Dynamic Hall effect as a mechanism for self-sustained oscillations and chaos in semiconductors. <i>Physical Review Letters</i> , 1991, 66, 2372-2375.	7.8	39
101	Self-stabilization of high-frequency oscillations in semiconductor superlattices by time-delay autosynchronization. <i>Physical Review E</i> , 2003, 68, 066208.	2.1	39
102	Adaptive tuning of feedback gain in time-delayed feedback control. <i>Chaos</i> , 2011, 21, 043111.	2.5	39
103	Time-delayed feedback control of coherence resonance near subcritical Hopf bifurcation: Theory versus experiment. <i>Chaos</i> , 2015, 25, 033111.	2.5	39
104	Hierarchical frequency clusters in adaptive networks of phase oscillators. <i>Chaos</i> , 2019, 29, 103134.	2.5	39
105	CONTROLLING STOCHASTIC OSCILLATIONS CLOSE TO A HOPF BIFURCATION BY TIME-DELAYED FEEDBACK. <i>Stochastics and Dynamics</i> , 2005, 05, 281-295.	1.2	38
106	Delayed feedback control of noise-induced patterns in excitable media. <i>Physical Review E</i> , 2006, 74, 016214.	2.1	38
107	Stabilizing continuous-wave output in semiconductor lasers by time-delayed feedback. <i>Physical Review E</i> , 2008, 78, 056213.	2.1	38
108	Mismatch and synchronization: Influence of asymmetries in systems of two delay-coupled lasers. <i>Physical Review E</i> , 2011, 83, 056211.	2.1	38

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109	Pulse-train solutions and excitability in an optoelectronic oscillator. <i>Europhysics Letters</i> , 2011, 96, 34001.	2.0	37
110	Modulating coherence resonance in non-excitable systems by time-delayed feedback. <i>European Physical Journal B</i> , 2014, 87, 1.	1.5	37
111	Control of amplitude chimeras by time delay in oscillator networks. <i>Physical Review E</i> , 2017, 95, 042218.	2.1	37
112	SYNCHRONIZATION OF COUPLED NEURAL OSCILLATORS WITH HETEROGENEOUS DELAYS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1330039.	1.7	36
113	Partial synchronization and partial amplitude death in mesoscale network motifs. <i>Physical Review E</i> , 2015, 91, 022915.	2.1	36
114	Blinking coupling enhances network synchronization. <i>Physical Review E</i> , 2022, 105, .	2.1	36
115	Delay stabilization of periodic orbits in coupled oscillator systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 319-341.	3.4	35
116	Wave fronts may move upstream in semiconductor superlattices. <i>Physical Review E</i> , 2000, 61, 4866-4876.	2.1	34
117	Interplay of time-delayed feedback control and temporally correlated noise in excitable systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 391-421.	3.4	34
118	Networks of coupled oscillators: From phase to amplitude chimeras. <i>Chaos</i> , 2018, 28, 113124.	2.5	34
119	Breathing current domains in globally coupled electrochemical systems: A comparison with a semiconductor model. <i>Physical Review E</i> , 2001, 64, 056229.	2.1	33
120	Delayed feedback control of stochastic spatiotemporal dynamics in a resonant tunneling diode. <i>Physical Review E</i> , 2006, 73, 016203.	2.1	33
121	Delay control of coherence resonance in type-I excitable dynamics. <i>European Physical Journal: Special Topics</i> , 2010, 187, 77-85.	2.6	33
122	Synchronization patterns: from network motifs to hierarchical networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160216.	3.4	33
123	Formation times of electric-field domains in doped GaAs-AlAs superlattices. <i>Physical Review B</i> , 1996, 53, 1502-1506.	3.2	32
124	Complex dynamics in delay-differential equations with large delay. <i>European Physical Journal: Special Topics</i> , 2010, 191, 91-103.	2.6	32
125	Carrier transport and intersubband population inversion in coupled quantum wells. <i>Applied Physics Letters</i> , 1993, 63, 1089-1091.	3.3	31
126	Hybrid Model for Chaotic Front Dynamics: From Semiconductors to Water Tanks. <i>Physical Review Letters</i> , 2003, 91, 066601.	7.8	31

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127	Stabilization of complex spatio-temporal dynamics near a subcritical Hopf bifurcation by time-delayed feedback. <i>European Physical Journal B</i> , 2009, 68, 557-565.	1.5	30
128	Delay-induced chimeras in neural networks with fractal topology. <i>European Physical Journal B</i> , 2019, 92, 1.	1.5	30
129	Relay and complete synchronization in heterogeneous multiplex networks of chaotic maps. <i>Chaos</i> , 2020, 30, 061104.	2.5	30
130	DELAY-INDUCED MULTISTABILITY NEAR A GLOBAL BIFURCATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 1759-1765.	1.7	29
131	Synchronisation in networks of delay-coupled type-I excitable systems. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	29
132	Heterogeneous delays in neural networks. <i>European Physical Journal B</i> , 2014, 87, 1.	1.5	29
133	What adaptive neuronal networks teach us about power grids. <i>Physical Review E</i> , 2021, 103, 042315.	2.1	29
134	Solitary states in adaptive nonlocal oscillator networks. <i>European Physical Journal: Special Topics</i> , 2020, 229, 2183-2203.	2.6	29
135	Delayed feedback control of unstable steady states with high-frequency modulation of the delay. <i>Physical Review E</i> , 2013, 88, 032912.	2.1	28
136	Stability and control of power grids with diluted network topology. <i>Chaos</i> , 2019, 29, 123105.	2.5	28
137	Competing spatial and temporal instabilities in a globally coupled bistable semiconductor system near a codimension-two bifurcation. <i>Physical Review E</i> , 2000, 62, 1778-1789.	2.1	27
138	Amplitude and phase chimeras in an ensemble of chaotic oscillators. <i>Technical Physics Letters</i> , 2016, 42, 765-768.	0.7	27
139	Relay synchronization in multiplex networks of discrete maps. <i>Europhysics Letters</i> , 2019, 126, 50004.	2.0	27
140	Effect of topology upon relay synchronization in triplex neuronal networks. <i>Chaos</i> , 2020, 30, 051104.	2.5	27
141	Control of Chimera States in Multilayer Networks. <i>Frontiers in Applied Mathematics and Statistics</i> , 2019, 4, .	1.3	27
142	Noise-induced pattern formation in a semiconductor nanostructure. <i>Physical Review E</i> , 2005, 71, 016221.	2.1	26
143	Control of coherence resonance in semiconductor superlattices. <i>Physical Review E</i> , 2008, 78, 066205.	2.1	26
144	Adaptation controls synchrony and cluster states of coupled threshold-model neurons. <i>Physical Review E</i> , 2013, 88, 042713.	2.1	26

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145	Optimal design of tweezer control for chimera states. <i>Physical Review E</i> , 2018, 97, 012216.	2.1	26
146	Time-delayed feedback control of the Dickeâ€“Heppâ€“Lieb superradiant quantum phase transition. <i>New Journal of Physics</i> , 2015, 17, 013040.	2.9	25
147	Synchronization in heterogeneous FitzHugh-Nagumo networks with hierarchical architecture. <i>Physical Review E</i> , 2016, 94, 012203.	2.1	25
148	Complex partial synchronization patterns in networks of delay-coupled neurons. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180128.	3.4	25
149	Controlling chimera states via minimal coupling modification. <i>Chaos</i> , 2019, 29, 051103.	2.5	25
150	Remote pacemaker control of chimera states in multilayer networks of neurons. <i>Physical Review E</i> , 2020, 102, 052216.	2.1	25
151	Hydrodynamic simulation of impact-ionization effects in p-n junctions. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 1991, 10, 1287-1294.	2.7	24
152	Self-organized symmetry-breaking current filamentation and multistability in Corbino disks. <i>Physical Review B</i> , 2000, 61, 10194-10200.	3.2	24
153	CONTROL OF SYNCHRONIZATION IN COUPLED NEURAL SYSTEMS BY TIME-DELAYED FEEDBACK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 813-825.	1.7	24
154	Synchronization-desynchronization transitions in complex networks: An interplay of distributed time delay and inhibitory nodes. <i>Physical Review E</i> , 2014, 90, 032908.	2.1	24
155	Chimera states in networks of logistic maps with hierarchical connectivities. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	24
156	Chaos synchronization in networks of delay-coupled lasers: role of the coupling phases. <i>New Journal of Physics</i> , 2012, 14, 033039.	2.9	23
157	Adaptive Control of Synchronization in Delay-Coupled Heterogeneous Networks of FitzHughâ€“Nagumo Nodes. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650058.	1.7	23
158	Synchronization of spiral wave patterns in two-layer 2D lattices of nonlocally coupled discrete oscillators. <i>Chaos</i> , 2019, 29, 053105.	2.5	23
159	Control of synchronization in two-layer power grids. <i>Physical Review E</i> , 2020, 102, 022311.	2.1	23
160	Roughness evolution in thin-film growth of SiO ₂ and Nb ₂ O ₅ . <i>Journal of Applied Physics</i> , 2005, 98, 103516.	2.5	22
161	Long-term correlations in stochastic systems with extended time-delayed feedback. <i>Physical Review E</i> , 2007, 75, 040101.	2.1	22
162	Nucleation of reaction-diffusion waves on curved surfaces. <i>New Journal of Physics</i> , 2014, 16, 053010.	2.9	22

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163	Optimization of Timing Jitter Reduction by Optical Feedback for a Passively Mode-Locked Laser. IEEE Photonics Journal, 2014, 6, 1-14.	2.0	22
164	Synchronization scenarios of chimeras in multiplex networks. European Physical Journal: Special Topics, 2018, 227, 1161-1171.	2.6	22
165	Resonant control of stochastic spatiotemporal dynamics in a tunnel diode by multiple time-delayed feedback. Physical Review E, 2009, 79, 011109.	2.1	21
166	Optical injection enables coherence resonance in quantum-dot lasers. Europhysics Letters, 2013, 103, 14002.	2.0	21
167	Clustering in delay-coupled smooth and relaxational chemical oscillators. Physical Review E, 2013, 88, 062915.	2.1	21
168	Two-dimensional spatiotemporal complexity in dual-delayed nonlinear feedback systems: Chimeras and dissipative solitons. Chaos, 2018, 28, 103106.	2.5	21
169	Spiking at vertical electrical transport in a heterostructure device. Semiconductor Science and Technology, 1994, 9, 592-594.	2.0	20
170	Effect of disorder and noise in shaping the dynamics of power grids. Europhysics Letters, 2018, 123, 20001.	2.0	20
171	Partial synchronization patterns in brain networks. Europhysics Letters, 2021, 136, 18001.	2.0	20
172	Bifurcations in a System of Interacting Fronts. Journal of Statistical Physics, 2005, 119, 1069-1138.	1.2	19
173	Conversion of stability in systems close to a Hopf bifurcation by time-delayed coupling. Physical Review E, 2007, 75, 046206.	2.1	19
174	Control of unstable steady states in neutral time-delayed systems. European Physical Journal B, 2008, 65, 571-576.	1.5	19
175	Coherent traveling waves in nonlocally coupled chaotic systems. Physical Review E, 2013, 87, .	2.1	19
176	Adaptive time-delayed stabilization of steady states and periodic orbits. Physical Review E, 2015, 91, 012906.	2.1	19
177	Effect of small-world topology on wave propagation on networks of excitable elements. New Journal of Physics, 2015, 17, 023058.	2.9	19
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