Eckehard SchÃ¶ll

List of Publications by Year
in descending order

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291	12,452	26630	40979
papers	citations	56 h-index	93 g-index

300	300	300	3203
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Introduction to focus issue: In memory of Vadim S. Anishchenko: Statistical physics and nonlinear dynamics of complex systems. Chaos, 2022, 32, 010401.	2.5	1
2	Modeling Tumor Disease and Sepsis by Networks of Adaptively Coupled Phase Oscillators. Frontiers in Network Physiology, 2022, 1, .	1.8	8
3	Exotic states induced by coevolving connection weights and phases in complex networks. Physical Review E, 2022, 105, 034312.	2.1	9
4	Blinking coupling enhances network synchronization. Physical Review E, 2022, 105, .	2.1	36
5	Reservoir Computing Using Autonomous Boolean Networks Realized on Field-Programmable Gate Arrays. Natural Computing Series, 2021, , 239-271.	2.2	2
6	Desynchronization Transitions in Adaptive Networks. Physical Review Letters, 2021, 126, 028301.	7.8	46
7	Multilayer network analysis of C. elegans: Looking into the locomotory circuitry. Neurocomputing, 2021, 427, 238-261.	5.9	9
8	Influence of Sound on Empirical Brain Networks. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	1.3	3
9	What adaptive neuronal networks teach us about power grids. Physical Review E, 2021, 103, 042315.	2.1	29
10	Repulsive inter-layer coupling induces anti-phase synchronization. Chaos, 2021, 31, 063116.	2.5	17
11	Synchronization scenarios in three-layer networks with a hub. Chaos, 2021, 31, 073131.	2.5	8
12	Generalized splay states in phase oscillator networks. Chaos, 2021, 31, 073128.	2.5	12
13	Control of electron and electronâ€“hole pair dynamics on nonlinear lattice bilayers by strong solitons. Chaos, 2021, 31, 083123.	2.5	2
14	The Multiplex Decomposition: An Analytic Framework for Multilayer Dynamical Networks. SIAM Journal on Applied Dynamical Systems, 2021, 20, 1752-1772.	1.6	11
15	Partial synchronization patterns in brain networks. Europhysics Letters, 2021, 136, 18001.	2.0	20
16	Phase response approaches to neural activity models with distributed delay. Biological Cybernetics, 2021, , 1.	1.3	2
17	Control of synchronization in two-layer power grids. Physical Review E, 2020, 102, 022311.	2.1	23
18	Structural anomalies in brain networks induce dynamical pacemaker effects. Chaos, 2020, 30, 113137.	2.5	14

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19	FitzHughâ€“Nagumo oscillators on complex networks mimic epileptic-seizure-related synchronization phenomena. Chaos, 2020, 30, 123130.	2.5	74
20	Effect of topology upon relay synchronization in triplex neuronal networks. Chaos, 2020, 30, 051104.	2.5	27
21	Relay and complete synchronization in heterogeneous multiplex networks of chaotic maps. Chaos, 2020, 30, 061104.	2.5	30
22	Birth and Stabilization of Phase Clusters by Multiplexing of Adaptive Networks. Physical Review Letters, 2020, 124, 088301.	7.8	46
23	Two populations of coupled quadratic maps exhibit a plentitude of symmetric and symmetry broken dynamics. Chaos, 2020, 30, 033125.	2.5	6
24	Remote pacemaker control of chimera states in multilayer networks of neurons. Physical Review E, 2020, 102, 052216.	2.1	25
25	Solitary states in adaptive nonlocal oscillator networks. European Physical Journal: Special Topics, 2020, 229, 2183-2203.	2.6	29
26	Frequency clusters in adaptive networks. , 2020, , .		3
27	Enhancing power grid synchronization through time delayed feedback control of solitary states. , 2020, , .		1
28	Control of relay synchronization in multiplex networks by time delay. , 2020, , .		0
29	Using revealed-bidding in power markets: A paradigmatic model. , 2019, , .		0
30	Complex partial synchronization patterns in networks of delay-coupled neurons. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180128.	3.4	25
31	Relay synchronization in multiplex networks of discrete maps. Europhysics Letters, 2019, 126, 50004.	2.0	27
32	Partial synchronization in empirical brain networks as a model for unihemispheric sleep. Europhysics Letters, 2019, 126, 50007.	2.0	45
33	Nonlinear excitations and bound states of electrons, holes and solitons in bilayers of triangular lattices. European Physical Journal B, 2019, 92, 1.	1.5	3
34	Hierarchical frequency clusters in adaptive networks of phase oscillators. Chaos, 2019, 29, 103134.	2.5	39
35	Filtering Suppresses Amplitude Chimeras. Frontiers in Applied Mathematics and Statistics, 2019, 5, .	1.3	9
36	Synchronization of spiral wave patterns in two-layer 2D lattices of nonlocally coupled discrete oscillators. Chaos, 2019, 29, 053105.	2.5	23

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37	Synchronization patterns in Stuartâ€“Landau networks: a reduced system approach. European Physical Journal B, 2019, 92, 1.	1.5	9
38	Controlling chimera states via minimal coupling modification. Chaos, 2019, 29, 051103.	2.5	25
39	Delay-induced chimeras in neural networks with fractal topology. European Physical Journal B, 2019, 92, 1.	1.5	30
40	Quantum Pyragas control: Selective control of individual photon probabilities. Physical Review A, 2019, 99, .	2.5	17
41	Editorial: Chimera States in Complex Networks. Frontiers in Applied Mathematics and Statistics, 2019, 5, .	1.3	14
42	Multiclusters in Networks of Adaptively Coupled Phase Oscillators. SIAM Journal on Applied Dynamical Systems, 2019, 18, 2227-2266.	1.6	47
43	Stability and control of power grids with diluted network topology. Chaos, 2019, 29, 123105.	2.5	28
44	Enhancing power grid synchronization and stability through time-delayed feedback control. Physical Review E, 2019, 100, 062306.	2.1	46
45	Control of Chimera States in Multilayer Networks. Frontiers in Applied Mathematics and Statistics, 2019, 4, .	1.3	27
46	CENTRE FOR THE STABILIZATION OF PLANETARY EMERGENCIES: CONTROL USING THE SCIENCE OF COMPLEX NETWORKS. , 2019, , .		0
47	Chimera states in brain networks: Empirical neural vs. modular fractal connectivity. Chaos, 2018, 28, 045112.	2.5	109
48	Chimera states in networks of logistic maps with hierarchical connectivities. European Physical Journal B, 2018, 91, 1.	1.5	24
49	Optimal design of tweezer control for chimera states. Physical Review E, 2018, 97, 012216.	2.1	26
50	Synchronization of organ pipes. European Physical Journal B, 2018, 91, 1.	1.5	7
51	Excitation of solitons in hexagonal lattices and ways of controlling electron transport. International Journal of Dynamics and Control, 2018, 6, 1376-1383.	2.5	7
52	Approximating low cost state space areas in economic load dispatch with valve-point loading effects. , 2018, , .		0
53	Analysis of Two-layer Network of FitzHugh-Nagumo Oscillators with Different Layer Topology. IFAC-PapersOnLine, 2018, 51, 235-240.	0.9	0
54	Influence of disorder and noise in controlling the dynamics of power grids. IFAC-PapersOnLine, 2018, 51, 44-49.	0.9	1

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55	Delay controls chimera relay synchronization in multiplex networks. Physical Review E, 2018, 98, .	2.1	63
56	Networks of coupled oscillators: From phase to amplitude chimeras. Chaos, 2018, 28, 113124.	2.5	34
57	Synchronization scenarios of chimeras in multiplex networks. European Physical Journal: Special Topics, 2018, 227, 1161-1171.	2.6	22
58	Two-dimensional spatiotemporal complexity in dual-delayed nonlinear feedback systems: Chimeras and dissipative solitons. Chaos, 2018, 28, 103106.	2.5	21
59	Qualitative stability and synchronicity analysis of power network models in port-Hamiltonian form. Chaos, 2018, 28, 101102.	2.5	13
60	Mean field phase synchronization between chimera states. Chaos, 2018, 28, 091101.	2.5	19
61	Robustness of chimera states in nonlocally coupled networks of nonidentical logistic maps. Physical Review E, 2018, 98, 012217.	2.1	19
62	Why more physics can help achieving better mathematics. International Journal of Dynamics and Control, 2018, 6, 973-981.	2.5	0
63	Effect of disorder and noise in shaping the dynamics of power grids. Europhysics Letters, 2018, 123, 20001.	2.0	20
64	Mechanisms of appearance of amplitude and phase chimera states in ensembles of nonlocally coupled chaotic systems. Communications in Nonlinear Science and Numerical Simulation, 2017, 43, 25-36.	3.3	93
65	Synchronization patterns: from network motifs to hierarchical networks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160216.	3.4	33
66	Stability of amplitude chimeras in oscillator networks. Europhysics Letters, 2017, 117, 20001.	2.0	19
67	Transient dynamics and their control in time-delay autonomous Boolean ring networks. Physical Review E, 2017, 95, 022211.	2.1	13
68	Chimera states and the interplay between initial conditions and non-local coupling. Chaos, 2017, 27, 033110.	2.5	10
69	Chimeras in leaky integrate-and-fire neural networks: effects of reflecting connectivities. European Physical Journal B, 2017, 90, 1.	1.5	41
70	Time-delayed feedback control of coherence resonance chimeras. Chaos, 2017, 27, 114320.	2.5	46
71	Coherence resonance in a network of FitzHugh-Nagumo systems: Interplay of noise, time-delay, and topology. Chaos, 2017, 27, 101102.	2.5	44
72	Control of amplitude chimeras by time delay in oscillator networks. Physical Review E, 2017, 95, 042218.	2.1	37

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73	Chimera states in complex networks: interplay of fractal topology and delay. European Physical Journal: Special Topics, 2017, 226, 1883-1892.	2.6	58
74	Noise-Induced Chimera States in a Neural Network. Springer Proceedings in Mathematics and Statistics, 2017, , 44-63.	0.2	4
75	Self-organized emergence of multilayer structure and chimera states in dynamical networks with adaptive couplings. Physical Review E, 2017, 96, 062211.	2.1	70
76	Optimal and resonant time-delayed feedback control of unstable steady states: self-adaptive tuning of coupling phase. International Journal of Dynamics and Control, 2016, 4, 123-133.	2.5	1
77	Amplitude chimeras and chimera death in dynamical networks. Journal of Physics: Conference Series, 2016, 727, 012018.	0.4	42
78	Chimera states in networks of Van der Pol oscillators with hierarchical connectivities. Chaos, 2016, 26, 094825.	2.5	98
79	Impact of hyperbolicity on chimera states in ensembles of nonlocally coupled chaotic oscillators. AIP Conference Proceedings, 2016, , .	0.4	2
80	Optimization of nonlocal time-delayed feedback controllers. Computational Optimization and Applications, 2016, 64, 265-294.	1.6	10
81	Adaptive Control of Synchronization in Delay-Coupled Heterogeneous Networks of FitzHughâ€“Nagumo Nodes. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650058.	1.7	23
82	Synchronization patterns and chimera states in complex networks: Interplay of topology and dynamics. European Physical Journal: Special Topics, 2016, 225, 891-919.	2.6	201
83	Delayed-feedback chimera states: Forced multiclusters and stochastic resonance. Europhysics Letters, 2016, 115, 10005.	2.0	58
84	Synchronization in heterogeneous FitzHugh-Nagumo networks with hierarchical architecture. Physical Review E, 2016, 94, 012203.	2.1	25
85	Amplitude and phase chimeras in an ensemble of chaotic oscillators. Technical Physics Letters, 2016, 42, 765-768.	0.7	27
86	Chimera patterns induced by distance-dependent power-law coupling in ecological networks. Physical Review E, 2016, 94, 032206.	2.1	79
87	Tweezers for Chimeras in Small Networks. Physical Review Letters, 2016, 116, 114101.	7.8	76
88	Coherence-Resonance Chimeras in a Network of Excitable Elements. Physical Review Letters, 2016, 117, 014102.	7.8	163
89	Chimera states and excitation waves in networks with complex topologies. AIP Conference Proceedings, 2016, , .	0.4	2
90	Controlling Chimera Patterns in Networks: Interplay of Structure, Noise, and Delay. Understanding Complex Systems, 2016, , 3-23.	0.6	10

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91	Adaptively Controlled Synchronization of Delay-Coupled Networks. Understanding Complex Systems, 2016, , 47-63.	0.6	1
92	Chimera States in Quantum Mechanics. Understanding Complex Systems, 2016, , 315-336.	0.6	3
93	Chimera patterns under the impact of noise. Physical Review E, 2016, 93, 012209.	2.1	74
94	Synchronization and control in time-delayed complex networks and spatio-temporal patterns. European Physical Journal: Special Topics, 2016, 225, 1-6.	2.6	9
95	Control of Desynchronization Transitions in Delay-Coupled Networks of Type-I and Type-II Excitable Systems. Understanding Complex Systems, 2016, , 25-42.	0.6	1
96	Noisy Dynamical Systems with Time Delay: Some Basic Analytical Perturbation Schemes with Applications. Understanding Complex Systems, 2016, , 147-168.	0.6	0
97	Chimera states in population dynamics: Networks with fragmented and hierarchical connectivities. Physical Review E, 2015, 92, 012915.	2.1	93
98	Stable and transient multicluster oscillation death in nonlocally coupled networks. Physical Review E, 2015, 92, 052915.	2.1	47
99	Quantum signatures of chimera states. Physical Review E, 2015, 92, 062924.	2.1	85
100	The Dynamics of Coalition Formation on Complex Networks. Scientific Reports, 2015, 5, 13386.	3.3	18
101	Time-delayed feedback control of coherence resonance near subcritical Hopf bifurcation: Theory versus experiment. Chaos, 2015, 25, 033111.	2.5	39
102	Nonlinearity of local dynamics promotes multi-chimeras. Chaos, 2015, 25, 083104.	2.5	81
103	Chimera patterns: influence of time delay and noise**This work was supported by DFG in the framework of SFB 910.. IFAC-PapersOnLine, 2015, 48, 7-12.	0.9	8
104	Does hyperbolicity impede emergence of chimera states in networks of nonlocally coupled chaotic oscillators?. Europhysics Letters, 2015, 112, 40002.	2.0	72
105	Partial synchronization and partial amplitude death in mesoscale network motifs. Physical Review E, 2015, 91, 022915.	2.1	36
106	Adaptive time-delayed stabilization of steady states and periodic orbits. Physical Review E, 2015, 91, 012906.	2.1	19
107	Robustness of chimera states for coupled FitzHugh-Nagumo oscillators. Physical Review E, 2015, 91, 022917.	2.1	187
108	Time-delayed feedback control of the Dickeâ€“Heppâ€“Lieb superradiant quantum phase transition. New Journal of Physics, 2015, 17, 013040.	2.9	25

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109	Amplitude-phase coupling drives chimera states in globally coupled laser networks. Physical Review E, 2015, 91, 040901.	2.1	104
110	Effect of small-world topology on wave propagation on networks of excitable elements. New Journal of Physics, 2015, 17, 023058.	2.9	19
111	Excitation waves on a minimal small-world model. European Physical Journal B, 2015, 88, 1.	1.5	11
112	Delay-induced patterns in a two-dimensional lattice of coupled oscillators. Scientific Reports, 2015, 5, 8522.	3.3	19
113	Front and Turing patterns induced by Mexican-hatâ€“like nonlocal feedback. Europhysics Letters, 2015, 109, 40014.	2.0	13
114	Nonlocal control of pulse propagation in excitable media. European Physical Journal B, 2014, 87, 1.	1.5	18
115	Synchronization of networks of oscillators with distributed delay coupling. Chaos, 2014, 24, 043117.	2.5	42
116	Nucleation of reaction-diffusion waves on curved surfaces. New Journal of Physics, 2014, 16, 053010.	2.9	22
117	Bistable Dynamics Underlying Excitability of Ion Homeostasis in Neuron Models. PLoS Computational Biology, 2014, 10, e1003551.	3.2	48
118	Optimization of Timing Jitter Reduction by Optical Feedback for a Passively Mode-Locked Laser. IEEE Photonics Journal, 2014, 6, 1-14.	2.0	22
119	CONTROL OF CHEMICAL WAVE PROPAGATION. World Scientific Lecture Notes in Complex Systems, 2014, , 185-207.	0.1	7
120	Manipulating coherence resonance in a quantum dot semiconductor laser via electrical pumping. Optics Express, 2014, 22, 13288.	3.4	13
121	Modulating coherence resonance in non-excitable systems by time-delayed feedback. European Physical Journal B, 2014, 87, 1.	1.5	37
122	Dynamics of reaction-diffusion patterns controlled by asymmetric nonlocal coupling as a limiting case of differential advection. Physical Review E, 2014, 89, 052909.	2.1	18
123	Synchronizability of Networks with Strongly Delayed Links: A Universal Classification. Journal of Mathematical Sciences, 2014, 202, 809-824.	0.4	7
124	Delayed-feedback control: arbitrary and distributed delay-time and noninvasive control of synchrony in networks with heterogeneous delays. International Journal of Dynamics and Control, 2014, 2, 2-25.	2.5	15
125	Spectra of delay-coupled heterogeneous noisy nonlinear oscillators. European Physical Journal B, 2014, 87, 1.	1.5	10
126	Amplitude death in oscillator networks with variable-delay coupling. Physical Review E, 2014, 89, 032915.	2.1	49

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127	Chimera Death: Symmetry Breaking in Dynamical Networks. Physical Review Letters, 2014, 112, 154101.	7.8	309
128	Heterogeneous delays in neural networks. European Physical Journal B, 2014, 87, 1.	1.5	29
129	Controlling cluster synchronization by adapting the topology. Physical Review E, 2014, 90, 042914.	2.1	47
130	Synchronization-desynchronization transitions in complex networks: An interplay of distributed time delay and inhibitory nodes. Physical Review E, 2014, 90, 032908.	2.1	24
131	Transient scaling and resurgence of chimera states in networks of Boolean phase oscillators. Physical Review E, 2014, 90, 030902.	2.1	114
132	Optical injection enables coherence resonance in quantum-dot lasers. Europhysics Letters, 2013, 103, 14002.	2.0	21
133	Adaptation controls synchrony and cluster states of coupled threshold-model neurons. Physical Review E, 2013, 88, 042713.	2.1	26
134	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
135	Delayed feedback control of unstable steady states with high-frequency modulation of the delay. Physical Review E, 2013, 88, 032912.	2.1	28
136	Feedback control of flow alignment in sheared liquid crystals. Physical Review E, 2013, 88, 062509.	2.1	7
137	Coherent traveling waves in nonlocally coupled chaotic systems. Physical Review E, 2013, 87, .	2.1	19
138	Discontinuous attractor dimension at the synchronization transition of time-delayed chaotic systems. Physical Review E, 2013, 87, 042910.	2.1	7
139	When Nonlocal Coupling between Oscillators Becomes Stronger: Patched Synchrony or Multichimera States. Physical Review Letters, 2013, 110, 224101.	7.8	344
140	Amplitude and phase dynamics in oscillators with distributed-delay coupling. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120466.	3.4	48
141	Synchronization in Delay-coupled Complex Networks. , 2013, , 57-84.		12
142	Time delay control of symmetry-breaking primary and secondary oscillation death. Europhysics Letters, 2013, 104, 50004.	2.0	54
143	Dynamics, control and information in delay-coupled systems: an overview. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120465.	3.4	49
144	Experimental Observations of Group Synchrony in a System of Chaotic Optoelectronic Oscillators. Physical Review Letters, 2013, 110, 064104.	7.8	91

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145	Clustering in delay-coupled smooth and relaxational chemical oscillators. Physical Review E, 2013, 88, 062915.	2.1	21
146	Control of Synchronization Patterns in Neural-like Boolean Networks. Physical Review Letters, 2013, 110, 104102.	7.8	78
147	Stabilization of periodic orbits near a subcritical Hopf bifurcation in delay-coupled networks. Dynamical Systems, 2013, 28, 15-33.	0.4	10
148	SYNCHRONIZATION OF COUPLED NEURAL OSCILLATORS WITH HETEROGENEOUS DELAYS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330039.	1.7	36
149	Excitability in autonomous Boolean networks. Europhysics Letters, 2012, 100, 30003.	2.0	8
150	Adaptive synchronization in delay-coupled networks of Stuart-Landau oscillators. Physical Review E, 2012, 85, 016201.	2.1	98
151	CONTROL OF SYNCHRONIZATION IN DELAY-COUPLED NETWORKS. International Journal of Modern Physics B, 2012, 26, 1246007.	2.0	14
152	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
153	Chaos synchronization in networks of delay-coupled lasers: role of the coupling phases. New Journal of Physics, 2012, 14, 033039.	2.9	23
154	Transition from spatial coherence to incoherence in coupled chaotic systems. Physical Review E, 2012, 85, 026212.	2.1	171
155	Synchronization and Complex Dynamics of Oscillators with Delayed Pulse Coupling. Angewandte Chemie - International Edition, 2012, 51, 9489-9490.	13.8	13
156	Synchronisation in networks of delay-coupled type-I excitable systems. European Physical Journal B, 2012, 85, 1.	1.5	29
157	Experimental observation of chimeras in coupled-map lattices. Nature Physics, 2012, 8, 658-661.	16.7	515
158	Cluster and group synchronization in delay-coupled networks. Physical Review E, 2012, 86, 016202.	2.1	164
159	Adaptive tuning of feedback gain in time-delayed feedback control. Chaos, 2011, 21, 043111.	2.5	39
160	Strong and Weak Chaos in Nonlinear Networks with Time-Delayed Couplings. Physical Review Letters, 2011, 107, 234102.	7.8	111
161	Mismatch and synchronization: Influence of asymmetries in systems of two delay-coupled lasers. Physical Review E, 2011, 83, 056211.	2.1	38
162	Pulse-train solutions and excitability in an optoelectronic oscillator. Europhysics Letters, 2011, 96, 34001.	2.0	37

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163	Towards easier realization of time-delayed feedback control of odd-number orbits. Physical Review E, 2011, 84, 016214.	2.1	16
164	Loss of synchronization in complex neuronal networks with delay. Europhysics Letters, 2011, 96, 60013.	2.0	52
165	Amplitude death in systems of coupled oscillators with distributed-delay coupling. European Physical Journal B, 2011, 84, 307-315.	1.5	44
166	Loss of Coherence in Dynamical Networks: Spatial Chaos and Chimera States. Physical Review Letters, 2011, 106, 234102.	7.8	366
167	Transient behavior in systems with time-delayed feedback. Chaos, 2011, 21, 023114.	2.5	9
168	Delay control of coherence resonance in type-I excitable dynamics. European Physical Journal: Special Topics, 2010, 187, 77-85.	2.6	33
169	Control of coherence in excitable systems by the interplay of noise and time-delay. European Physical Journal: Special Topics, 2010, 191, 29-51.	2.6	8
170	Beyond the odd number limitation of time-delayed feedback control of periodic orbits. European Physical Journal: Special Topics, 2010, 191, 53-70.	2.6	9
171	Noninvasive optical control of complex semiconductor laser dynamics. European Physical Journal: Special Topics, 2010, 191, 71-89.	2.6	9
172	Complex dynamics in delay-differential equations with large delay. European Physical Journal: Special Topics, 2010, 191, 91-103.	2.6	32
173	Delay stabilization of periodic orbits in coupled oscillator systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 319-341.	3.4	35
174	Two-dimensional wave patterns of spreading depolarization: Retracting, re-entrant, and stationary waves. Physica D: Nonlinear Phenomena, 2010, 239, 889-903.	2.8	59
175	Modeling quantum dot lasers with optical feedback: sensitivity of bifurcation scenarios. Physica Status Solidi (B): Basic Research, 2010, 247, 829-845.	1.5	58
176	Chaos control sets the pace. Nature Physics, 2010, 6, 161-162.	16.7	14
177	Symmetry-breaking transitions in networks of nonlinear circuit elements. New Journal of Physics, 2010, 12, 113030.	2.9	63
178	Broadband Chaos Generated by an Optoelectronic Oscillator. Physical Review Letters, 2010, 104, 113901.	7.8	150
179	CONTROL OF SYNCHRONIZATION IN COUPLED NEURAL SYSTEMS BY TIME-DELAYED FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 813-825.	1.7	24
180	Interplay of time-delayed feedback control and temporally correlated noise in excitable systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 391-421.	3.4	34

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181	Controlling synchrony by delay coupling in networks: From in-phase to splay and cluster states. Physical Review E, 2010, 81, 025205.	2.1	128
182	Delayed complex systems: an overview. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 303-304.	3.4	54
183	Synchronizing Distant Nodes: A Universal Classification of Networks. Physical Review Letters, 2010, 105, 254101.	7.8	138
184	Control of spatiotemporal patterns in the Grayâ€“Scott model. Chaos, 2009, 19, 043126.	2.5	43
185	Dynamics of electronic transport in a semiconductor superlattice with a shunting side layer. Physical Review B, 2009, 79, .	3.2	5
186	Controlling the onset of traveling pulses in excitable media by nonlocal spatial coupling and time-delayed feedback. Chaos, 2009, 19, 015110.	2.5	46
187	Resonant control of stochastic spatiotemporal dynamics in a tunnel diode by multiple time-delayed feedback. Physical Review E, 2009, 79, 011109.	2.1	21
188	Time-delayed feedback in neurosystems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 1079-1096.	3.4	141
189	DYNAMICS OF DELAY-COUPLED EXCITABLE NEURAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 745-753.	1.7	54
190	Stabilization of complex spatio-temporal dynamics near a subcritical Hopf bifurcation by time-delayed feedback. European Physical Journal B, 2009, 68, 557-565.	1.5	30
191	Bubbling in delay-coupled lasers. Physical Review E, 2009, 79, 065201.	2.1	71
192	Time-Delayed Feedback Control: From Simple Models to Lasers and Neural Systems. Understanding Complex Systems, 2009, , 85-150.	0.6	8
193	Asymptotic properties of the spectrum of neutral delay differential equations. Dynamical Systems, 2009, 24, 361-372.	0.4	7
194	Quantum-Dot Lasersâ€”Desynchronized Nonlinear Dynamics of Electrons and Holes. IEEE Journal of Quantum Electronics, 2009, 45, 1396-1403.	1.9	107
195	Time-delayed feedback control of delay-coupled neurosystems and lasers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 235-240.	0.4	3
196	Extended time delayed feedback control of stochastic dynamics in a resonant tunneling diode. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 194-197.	0.8	7
197	Control of noise-induced spatiotemporal patterns in superlattices. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 207-210.	0.8	8
198	Control of unstable steady states in neutral time-delayed systems. European Physical Journal B, 2008, 65, 571-576.	1.5	19

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199	Delay stabilization of rotating waves near fold bifurcation and application to all-optical control of a semiconductor laser. Physical Review E, 2008, 77, 066207.	2.1	40
200	Failure of feedback as a putative common mechanism of spreading depolarizations in migraine and stroke. Chaos, 2008, 18, 026110.	2.5	54
201	DELAY-INDUCED MULTISTABILITY NEAR A GLOBAL BIFURCATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1759-1765.	1.7	29
202	Stabilizing continuous-wave output in semiconductor lasers by time-delayed feedback. Physical Review E, 2008, 78, 056213.	2.1	38
203	Control of coherence resonance in semiconductor superlattices. Physical Review E, 2008, 78, 066205.	2.1	26
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