

Stefano Boccaletti

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286
papers

20,542
citations

52
h-index

140
g-index

308
ext. papers

23,754
ext. citations

4.8
avg, IF

6.92
L-index

#	Paper	IF	Citations
286	Complex networks: Structure and dynamics. <i>Physics Reports</i> , 2006 , 424, 175-308	27.7	6980
285	The synchronization of chaotic systems. <i>Physics Reports</i> , 2002 , 366, 1-101	27.7	1934
284	The structure and dynamics of multilayer networks. <i>Physics Reports</i> , 2014 , 544, 1-122	27.7	1892
283	Statistical physics of human cooperation. <i>Physics Reports</i> , 2017 , 687, 1-51	27.7	725
282	The control of chaos: theory and applications. <i>Physics Reports</i> , 2000 , 329, 103-197	27.7	614
281	Synchronization is enhanced in weighted complex networks. <i>Physical Review Letters</i> , 2005 , 94, 218701	7.4	377
280	Emergence of network features from multiplexity. <i>Scientific Reports</i> , 2013 , 3, 1344	4.9	314
279	Pattern formation and competition in nonlinear optics. <i>Physics Reports</i> , 1999 , 318, 1-83	27.7	239
278	Explosive synchronization in adaptive and multilayer networks. <i>Physical Review Letters</i> , 2015 , 114, 038701	7.4	213
277	Modeling the multi-layer nature of the European Air Transport Network: Resilience and passengers re-scheduling under random failures. <i>European Physical Journal: Special Topics</i> , 2013 , 215, 23-33	2.3	182
276	Punishment diminishes the benefits of network reciprocity in social dilemma experiments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 30-35	11.5	166
275	Explosive transitions in complex networks: Structure and dynamics: Percolation and synchronization. <i>Physics Reports</i> , 2016 , 660, 1-94	27.7	165
274	Synchronization in complex networks with age ordering. <i>Physical Review Letters</i> , 2005 , 94, 138701	7.4	150
273	Eigenvector centrality of nodes in multiplex networks. <i>Chaos</i> , 2013 , 23, 033131	3.3	149
272	Detecting complex network modularity by dynamical clustering. <i>Physical Review E</i> , 2007 , 75, 045102	2.4	149
271	Characterization of intermittent lag synchronization. <i>Physical Review E</i> , 2000 , 62, 7497-500	2.4	136
270	Synchronization of moving chaotic agents. <i>Physical Review Letters</i> , 2008 , 100, 044102	7.4	132

269	Explosive first-order transition to synchrony in networked chaotic oscillators. <i>Physical Review Letters</i> , 2012 , 108, 168702	7.4	126
268	Signatures of noise-enhanced stability in metastable states. <i>Physical Review E</i> , 2005 , 72, 061110	2.4	124
267	Exploiting a cognitive bias promotes cooperation in social dilemma experiments. <i>Nature Communications</i> , 2018 , 9, 2954	17.4	115
266	Combining complex networks and data mining: Why and how. <i>Physics Reports</i> , 2016 , 635, 1-44	27.7	105
265	Networks of networks – An introduction. <i>Chaos, Solitons and Fractals</i> , 2015 , 80, 1-6	9.3	103
264	Reorganization of functional networks in mild cognitive impairment. <i>PLoS ONE</i> , 2011 , 6, e19584	3.7	100
263	Unifying framework for synchronization of coupled dynamical systems. <i>Physical Review E</i> , 2001 , 63, 066219	2.9	97
262	Synchronization: From Coupled Systems to Complex Networks 2018 ,		92
261	Synchronization interfaces and overlapping communities in complex networks. <i>Physical Review Letters</i> , 2008 , 101, 168701	7.4	86
260	Synchronization in Nonidentical Extended Systems. <i>Physical Review Letters</i> , 1999 , 83, 536-539	7.4	86
259	Complex network theory and the brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	84
258	Explosive transitions to synchronization in networks of phase oscillators. <i>Scientific Reports</i> , 2013 , 3, 12814.9	4.9	80
257	Hysteretic transitions in the Kuramoto model with inertia. <i>Physical Review E</i> , 2014 , 90, 042905	2.4	79
256	Synchronization of chaotic systems with coexisting attractors. <i>Physical Review Letters</i> , 2006 , 96, 244102	7.4	79
255	Synchronization in dynamical networks: evolution along commutative graphs. <i>Physical Review E</i> , 2006 , 74, 016102	2.4	74
254	Synchronization in networks with multiple interaction layers. <i>Science Advances</i> , 2016 , 2, e1601679	14.3	72
253	Inter-layer synchronization in non-identical multi-layer networks. <i>Scientific Reports</i> , 2017 , 7, 45475	4.9	72
252	Experimental characterization of the transition to phase synchronization of chaotic CO2 laser systems. <i>Physical Review Letters</i> , 2002 , 89, 194101	7.4	72

251	Explosive synchronization in weighted complex networks. <i>Physical Review E</i> , 2013 , 88, 042808	2.4	67
250	Transition from boundary- to bulk-controlled regimes in optical pattern formation. <i>Physical Review Letters</i> , 1993 , 70, 2277-2280	7.4	66
249	Adaptive synchronization of chaos for secure communication. <i>Physical Review E</i> , 1997 , 55, 4979-4981	2.4	65
248	Dynamical network model of infective mobile agents. <i>Physical Review E</i> , 2006 , 74, 036110	2.4	64
247	Principles of recovery from traumatic brain injury: reorganization of functional networks. <i>NeuroImage</i> , 2011 , 55, 1189-99	7.9	63
246	Synchronization in weighted scale-free networks with degree-degree correlation. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 224, 123-129	3.3	61
245	Ring intermittency in coupled chaotic oscillators at the boundary of phase synchronization. <i>Physical Review Letters</i> , 2006 , 97, 114101	7.4	61
244	Inter-layer synchronization in multiplex networks of identical layers. <i>Chaos</i> , 2016 , 26, 065304	3.3	61
243	Optimizing functional network representation of multivariate time series. <i>Scientific Reports</i> , 2012 , 2, 630	4.9	59
242	The Synchronized Dynamics of Complex Systems. <i>Monograph Series on Nonlinear Science and Complexity</i> , 2008 , 1-239		59
241	Emergence of structural patterns out of synchronization in networks with competitive interactions. <i>Scientific Reports</i> , 2011 , 1, 99	4.9	55
240	Introduction: Control and synchronization in chaotic dynamical systems. <i>Chaos</i> , 2003 , 13, 126-7	3.3	55
239	Functional brain networks: great expectations, hard times and the big leap forward. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	54
238	Adaptive Recognition of a Chaotic Dynamics. <i>Europhysics Letters</i> , 1994 , 26, 327-332	1.6	54
237	Multiscale vulnerability of complex networks. <i>Chaos</i> , 2007 , 17, 043110	3.3	53
236	Control of Defects and Spacelike Structures in Delayed Dynamical Systems. <i>Physical Review Letters</i> , 1997 , 79, 5246-5249	7.4	52
235	Localized versus delocalized patterns in a nonlinear optical interferometer. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000 , 2, 399-405		52
234	The Control of Chaos: Theoretical Schemes and Experimental Realizations. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998 , 08, 1643-1655	2	52

233	Explosive synchronization as a process of explosive percolation in dynamical phase space. <i>Scientific Reports</i> , 2014 , 4, 5200	4.9	50
232	Exact solution for first-order synchronization transition in a generalized Kuramoto model. <i>Scientific Reports</i> , 2014 , 4, 7262	4.9	49
231	Coexistence of Quantized, Time Dependent, Clusters in Globally Coupled Oscillators. <i>Physical Review Letters</i> , 2016 , 117, 204101	7.4	49
230	Constructive effects of noise in homoclinic chaotic systems. <i>Physical Review E</i> , 2003 , 67, 066220	2.4	49
229	Synchronization of chaotic structurally nonequivalent systems. <i>Physical Review E</i> , 2000 , 61, 3712-5	2.4	49
228	Experimental phase synchronization of a chaotic convective flow. <i>Physical Review Letters</i> , 2000 , 85, 5567-70	7.0	48
227	Emerging meso- and macroscales from synchronization of adaptive networks. <i>Physical Review Letters</i> , 2011 , 107, 234103	7.4	47
226	Adaptive Control of Chaos. <i>Europhysics Letters</i> , 1995 , 31, 127-132	1.6	47
225	Chimeras. <i>Physics Reports</i> , 2021 , 898, 1-114	27.7	47
224	Noise-enhanced synchronization of homoclinic chaos in a CO2 laser. <i>Physical Review E</i> , 2003 , 67, 015205	2.4	46
223	Excitability following an avalanche-collapse process. <i>Europhysics Letters</i> , 1997 , 38, 85-90	1.6	45
222	Controlling and synchronizing space time chaos. <i>Physical Review E</i> , 1999 , 59, 6574-8	2.4	45
221	Generalized synchronization in mutually coupled oscillators and complex networks. <i>Physical Review E</i> , 2012 , 86, 036216	2.4	44
220	Identification of network modules by optimization of ratio association. <i>Chaos</i> , 2007 , 17, 023114	3.3	44
219	Synchronizing weighted complex networks. <i>Chaos</i> , 2006 , 16, 015106	3.3	44
218	Reconstructing embedding spaces of coupled dynamical systems from multivariate data. <i>Physical Review E</i> , 2002 , 65, 035204	2.4	44
217	Dynamic interdependence and competition in multilayer networks. <i>Nature Physics</i> , 2019 , 15, 178-185	16.2	43
216	Relay synchronization in multiplex networks. <i>Scientific Reports</i> , 2018 , 8, 8629	4.9	41

215	Synchronization properties of network motifs. <i>Europhysics Letters</i> , 2007 , 78, 28001	1.6	40
214	Opinion dynamics and synchronization in a network of scientific collaborations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 372, 316-325	3.3	39
213	Tailoring the profile and interactions of optical localized structures. <i>Physical Review E</i> , 2002 , 65, 066204	2.4	39
212	Popularity enhances the interdependent network reciprocity. <i>New Journal of Physics</i> , 2018 , 20, 123012	2.9	37
211	Macroscopic and microscopic spectral properties of brain networks during local and global synchronization. <i>Physical Review E</i> , 2017 , 96, 012316	2.4	36
210	Targeting the dynamics of complex networks. <i>Scientific Reports</i> , 2012 , 2, 396	4.9	35
209	Experimental evidence of explosive synchronization in mercury beating-heart oscillators. <i>Physical Review E</i> , 2015 , 91, 062909	2.4	34
208	Weak Synchronization of Chaotic Coupled Map Lattices. <i>Physical Review Letters</i> , 1998 , 81, 3639-3642	7.4	34
207	Domain coexistence in two-dimensional optical patterns. <i>Physical Review Letters</i> , 1996 , 76, 1063-1066	7.4	33
206	Self-organized interdependence among populations promotes cooperation by means of coevolution. <i>Chaos</i> , 2019 , 29, 013139	3.3	32
205	Universal behavior of cascading failures in interdependent networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22452-22457	11.5	32
204	Topological defects after a quench in a Bård-Marangoni convection system. <i>Physical Review E</i> , 2001 , 63, 057301	2.4	32
203	Winner-weaken-loser-strengthen rule leads to optimally cooperative interdependent networks. <i>Nonlinear Dynamics</i> , 2019 , 96, 49-56	5	31
202	Degree mixing and the enhancement of synchronization in complex weighted networks. <i>Physical Review E</i> , 2006 , 74, 066107	2.4	30
201	Stability of synchronization in simplicial complexes. <i>Nature Communications</i> , 2021 , 12, 1255	17.4	30
200	Asymmetric coupling effects in the synchronization of spatially extended chaotic systems. <i>Physical Review Letters</i> , 2003 , 91, 064103	7.4	29
199	Phase locking induces scale-free topologies in networks of coupled oscillators. <i>PLoS ONE</i> , 2008 , 3, e2644	3.7	29
198	Dynamics of overlapping structures in modular networks. <i>Physical Review E</i> , 2010 , 82, 016115	2.4	28

197	Functional neural networks underlying semantic encoding of associative memories. <i>NeuroImage</i> , 2010 , 50, 1258-70	7.9	28
196	The formation of synchronization cliques during the development of modular neural networks. <i>Physical Biology</i> , 2009 , 6, 036018	3	28
195	Generalized synchronization in relay systems with instantaneous coupling. <i>Physical Review E</i> , 2013 , 88, 052908	2.4	27
194	Length distribution of laminar phases for type-I intermittency in the presence of noise. <i>Physical Review E</i> , 2007 , 76, 026206	2.4	27
193	Emergent explosive synchronization in adaptive complex networks. <i>Physical Review E</i> , 2018 , 97, 042301	2.4	26
192	Topological measure locating the effective crossover between segregation and integration in a modular network. <i>Physical Review Letters</i> , 2012 , 108, 228701	7.4	26
191	Periodic and chaotic alternation in systems with imperfect $O(2)$ symmetry. <i>Physical Review Letters</i> , 1992 , 69, 3723-3726	7.4	26
190	Synchronization and Bellerophon states in conformist and contrarian oscillators. <i>Scientific Reports</i> , 2016 , 6, 36713	4.9	26
189	Effects of degree correlations on the explosive synchronization of scale-free networks. <i>Physical Review E</i> , 2015 , 91, 032811	2.4	25
188	Analyses of antigen dependency networks unveil immune system reorganization between birth and adulthood. <i>Chaos</i> , 2011 , 21, 016109	3.3	25
187	Discontinuous Transitions and Rhythmic States in the D-Dimensional Kuramoto Model Induced by a Positive Feedback with the Global Order Parameter. <i>Physical Review Letters</i> , 2020 , 125, 194101	7.4	24
186	Emergence of small-world anatomical networks in self-organizing clustered neuronal cultures. <i>PLoS ONE</i> , 2014 , 9, e85828	3.7	24
185	Optical pattern selection by a lateral wave-front shift. <i>Physical Review A</i> , 1996 , 54, 3472-3475	2.6	24
184	Synchronization of intermittent behavior in ensembles of multistable dynamical systems. <i>Physical Review E</i> , 2015 , 91, 032902	2.4	23
183	Competition of synchronization domains in arrays of chaotic homoclinic systems. <i>Physical Review E</i> , 2003 , 68, 066209	2.4	23
182	Social physics. <i>Physics Reports</i> , 2022 , 948, 1-148	27.7	23
181	A novel route to cyclic dominance in voluntary social dilemmas. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20190789	4.1	22
180	Chaos suppression through asymmetric coupling. <i>Chaos</i> , 2007 , 17, 043107	3.3	22

179	On the intrinsic time scales involved in synchronization: a data-driven approach. <i>Chaos</i> , 2005 , 15, 23904	3.3	22
178	Convective instabilities of synchronization manifolds in spatially extended systems. <i>Physical Review E</i> , 2004 , 69, 047202	2.4	22
177	THE LIQUID CRYSTAL LIGHT VALVE WITH OPTICAL FEEDBACK: A CASE STUDY IN PATTERN FORMATION. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2000 , 09, 183-204	0.8	21
176	Inhomogeneity induces relay synchronization in complex networks. <i>Physical Review E</i> , 2016 , 93, 042203	2.4	20
175	Explosive synchronization coexists with classical synchronization in the Kuramoto model. <i>Chaos</i> , 2016 , 26, 065307	3.3	20
174	Assortative and modular networks are shaped by adaptive synchronization processes. <i>Physical Review E</i> , 2012 , 86, 015101	2.4	19
173	Adaptive strategies for recognition, control and synchronization of chaos. <i>Chaos, Solitons and Fractals</i> , 1997 , 8, 1431-1448	9.3	19
172	Observability coefficients for predicting the class of synchronizability from the algebraic structure of the local oscillators. <i>Physical Review E</i> , 2016 , 94, 042205	2.4	19
171	Unveiling the multi-fractal structure of complex networks. <i>Chaos, Solitons and Fractals</i> , 2017 , 97, 11-14	9.3	18
170	Multilayer representation of collaboration networks with higher-order interactions. <i>Scientific Reports</i> , 2021 , 11, 5666	4.9	18
169	Origin of Bellerophon states in globally coupled phase oscillators. <i>Physical Review E</i> , 2018 , 98,	2.4	18
168	Enhancing the stability of the synchronization of multivariable coupled oscillators. <i>Physical Review E</i> , 2015 , 92, 032804	2.4	17
167	Thresholds for epidemic outbreaks in finite scale-free networks. <i>Mathematical Biosciences and Engineering</i> , 2005 , 2, 317-27	2.1	17
166	Explosive synchronization in populations of cooperative and competitive oscillators. <i>Chaos, Solitons and Fractals</i> , 2020 , 132, 109589	9.3	16
165	Graphical notation reveals topological stability criteria for collective dynamics in complex networks. <i>Physical Review Letters</i> , 2012 , 108, 194102	7.4	16
164	Synchronization in networks of spatially extended systems. <i>Chaos</i> , 2008 , 18, 023133	3.3	16
163	The complex network of musical tastes. <i>New Journal of Physics</i> , 2007 , 9, 172-172	2.9	16
162	Synchronization of spatially extended chaotic systems in the presence of asymmetric coupling. <i>Physical Review E</i> , 2004 , 70, 036219	2.4	16

161	Information encoding in homoclinic chaotic systems. <i>Chaos</i> , 2003 , 13, 286-90	3.3	16
160	Parental networks: uncovering new functions in biological data. <i>Scientific Reports</i> , 2014 , 4, 5112	4.9	15
159	SYNCHRONIZATION IN NETWORKS OF SLIGHTLY NONIDENTICAL ELEMENTS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008 , 18, 845-850	2	15
158	Detecting and localizing the foci in human epileptic seizures. <i>Chaos</i> , 2007 , 17, 043113	3.3	15
157	Experimental targeting and control of spatiotemporal chaos in nonlinear optics. <i>Physical Review Letters</i> , 2004 , 93, 063902	7.4	15
156	Integral behavior for localized synchronization in nonidentical extended systems. <i>Physical Review E</i> , 2000 , 62, 6346-51	2.4	15
155	Synchronization in slowly switching networks of coupled oscillators. <i>Scientific Reports</i> , 2016 , 6, 35979	4.9	14
154	Emergence of a multilayer structure in adaptive networks of phase oscillators. <i>Chaos, Solitons and Fractals</i> , 2016 , 84, 23-30	9.3	14
153	Universal phase transitions to synchronization in Kuramoto-like models with heterogeneous coupling. <i>New Journal of Physics</i> , 2019 , 21, 113018	2.9	14
152	Unveiling protein functions through the dynamics of the interaction network. <i>PLoS ONE</i> , 2011 , 6, e17679	3.7	14
151	Complex networks analysis of obstructive nephropathy data. <i>Chaos</i> , 2011 , 21, 033103	3.3	14
150	Real-time estimation of interaction delays. <i>Physical Review E</i> , 2009 , 80, 036203	2.4	14
149	Computation emerges from adaptive synchronization of networking neurons. <i>PLoS ONE</i> , 2011 , 6, e26467	3.7	14
148	Experimental approach to the study of complex network synchronization using a single oscillator. <i>Physical Review E</i> , 2009 , 79, 055202	2.4	14
147	Adaptive targeting of chaos. <i>Physical Review E</i> , 1997 , 55, R4845-R4848	2.4	14
146	Adaptive strategies for recognition, noise filtering, control, synchronization and targeting of chaos. <i>Chaos</i> , 1997 , 7, 621-634	3.3	14
145	The birth of defects in pattern formation: Testing of the Kibble-Zurek mechanism. <i>European Physical Journal: Special Topics</i> , 2007 , 146, 87-98	2.3	14
144	CHARACTERIZATION OF SYNCHRONIZED SPATIOTEMPORAL STATES IN COUPLED NONIDENTICAL COMPLEX GINZBURG-LANDAU EQUATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000 , 10, 2381-2389	2	14

143	EFFECT OF A VARIABLE DELAY IN DELAYED DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001 , 11, 2875-2880	2	14
142	The synchronized dynamics of time-varying networks. <i>Physics Reports</i> , 2022 , 949, 1-63	27.7	14
141	D-dimensional oscillators in simplicial structures: Odd and even dimensions display different synchronization scenarios. <i>Chaos, Solitons and Fractals</i> , 2021 , 146, 110888	9.3	14
140	Self-similarity in explosive synchronization of complex networks. <i>Physical Review E</i> , 2017 , 96, 062312	2.4	13
139	Adaptive recognition and filtering of noise using wavelets. <i>Physical Review E</i> , 1997 , 55, 5393-5397	2.4	13
138	Investigating the fractal properties of geological fault systems: The Main Ethiopian Rift Case. <i>Geophysical Research Letters</i> , 1999 , 26, 1633-1636	4.9	13
137	Patterns, space-time chaos and topological defects in nonlinear optics. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 61, 25-39	3.3	13
136	Impacts of non-GMO standards on poultry supply chain governance: transaction cost approach vs resource-based view. <i>Supply Chain Management</i> , 2016 , 21, 743-758	10	13
135	Assortativity and leadership emerge from anti-preferential attachment in heterogeneous networks. <i>Scientific Reports</i> , 2016 , 6, 21297	4.9	13
134	Synchronization in starlike networks of phase oscillators. <i>Physical Review E</i> , 2019 , 100, 012212	2.4	12
133	Effective centrality and explosive synchronization in complex networks. <i>Physical Review E</i> , 2015 , 92, 062820	2.4	12
132	Emergence of disassortative mixing from pruning nodes in growing scale-free networks. <i>Scientific Reports</i> , 2014 , 4, 7536	4.9	12
131	GROWING HIERARCHICAL SCALE-FREE NETWORKS BY MEANS OF NONHIERARCHICAL PROCESSES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 2447-2452	2	12
130	In phase and antiphase synchronization of coupled homoclinic chaotic oscillators. <i>Chaos</i> , 2004 , 14, 118-223	3.3	12
129	Adaptive recognition and control of chaos. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 96, 9-16	3.3	12
128	Inter-layer competition in adaptive multiplex network. <i>New Journal of Physics</i> , 2018 , 20, 075004	2.9	12
127	Synchronization in dynamical networks with unconstrained structure switching. <i>Physical Review E</i> , 2015 , 92, 062819	2.4	11
126	Governance implications of non-GM private standards on poultry meat value chains. <i>British Food Journal</i> , 2015 , 117, 2564-2581	2.8	11

125	Reduced synchronization persistence in neural networks derived from atm-deficient mice. <i>Frontiers in Neuroscience</i> , 2011 , 5, 46	5.1	11
124	Synchronization processes in complex networks. <i>European Physical Journal: Special Topics</i> , 2007 , 146, 129-144	2.3	11
123	Controlling spatio-temporal chaos in the scenario of the one-dimensional complex Ginzburg-Landau equation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006 , 364, 2383-95	3	11
122	Experimental control of coherence of a chaotic oscillator. <i>Physical Review E</i> , 2004 , 69, 066211	2.4	11
121	Irrational phase synchronization. <i>Physical Review E</i> , 2004 , 69, 056228	2.4	11
120	Control of Amplitude Turbulence in Delayed Dynamical Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998 , 08, 1843-1848	2	11
119	Interplay of delay and multiplexing: Impact on cluster synchronization. <i>Chaos</i> , 2017 , 27, 043103	3.3	10
118	Functional Hubs in Mild Cognitive Impairment. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550034	2	10
117	Concurrent enhancement of percolation and synchronization in adaptive networks. <i>Scientific Reports</i> , 2016 , 6, 27111	4.9	10
116	Synchronization of spontaneous bursting in a CO2 laser. <i>Physical Review E</i> , 2006 , 74, 066207	2.4	10
115	Frequency entrainment of nonautonomous chaotic oscillators. <i>Physical Review E</i> , 2004 , 69, 016208	2.4	10
114	Control of localized structures in an optical feedback interferometer. <i>Chaos</i> , 2003 , 13, 335-41	3.3	10
113	CONTROL AND SYNCHRONIZATION OF SPACE EXTENDED DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001 , 11, 2715-2729	2	10
112	Growing scale-free simplices. <i>Communications Physics</i> , 2021 , 4,	5.4	10
111	Reconstructing multi-mode networks from multivariate time series. <i>Europhysics Letters</i> , 2017 , 119, 50008.6	9	9
110	Multiple peaks patterns of epidemic spreading in multi-layer networks. <i>Chaos, Solitons and Fractals</i> , 2018 , 107, 135-142	9.3	9
109	Interplay between geo-population factors and hierarchy of cities in multilayer urban networks. <i>Scientific Reports</i> , 2017 , 7, 17246	4.9	9
108	Collective stochastic coherence and synchronizability in weighted scale-free networks. <i>New Journal of Physics</i> , 2014 , 16, 013036	2.9	9

107	Synchronization waves in geometric networks. <i>Physical Review E</i> , 2011 , 84, 065101	2.4	9
106	Disorder and decision cost in spatial networks. <i>Chaos</i> , 2008 , 18, 023103	3.3	9
105	Introduction: stability and pattern formation in networks of dynamical systems. <i>Chaos</i> , 2006 , 16, 015101	3.3	9
104	Collective phase locked states in a chain of coupled chaotic oscillators. <i>Physical Review E</i> , 2002 , 65, 055204	2.4	9
103	Epidemic spreading under infection-reduced-recovery. <i>Chaos, Solitons and Fractals</i> , 2020 , 140, 110130	9.3	9
102	Graph-based unsupervised segmentation algorithm for cultured neuronal networks' structure characterization and modeling. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015 , 87, 513-23	4.6	8
101	The dynamics of cooperation in asymmetric sub-populations. <i>New Journal of Physics</i> , 2020 , 22, 083015	2.9	8
100	Adaptive control of dynamical synchronization on evolving networks with noise disturbances. <i>Physical Review E</i> , 2018 , 97, 022211	2.4	8
99	Feature selection in the reconstruction of complex network representations of spectral data. <i>PLoS ONE</i> , 2013 , 8, e72045	3.7	8
98	Active control of the synchronization manifold in a ring of mutually coupled oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 371, 48-57	2.3	8
97	Defect-enhanced anomaly in frequency synchronization of asymmetrically coupled spatially extended systems. <i>Physical Review E</i> , 2005 , 71, 025201	2.4	8
96	Synchronization of chaotic systems: A microscopic description. <i>Physical Review E</i> , 2018 , 98,	2.4	8
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