M Lakshmanan

List of Publications by Year
in descending order

425	12,737	28274 55	39675 94
papers	citations	h-index	g-index

434	434	434	3533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reviving modulational instability with third-order dispersion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 422, 127801.	2.1	4
2	Low-power optical bistability in PT-symmetric chirped Bragg gratings with four-wave mixing. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 643.	2.1	6
3	Analysis of the second wave of COVID-19 in India based on SEIR model. European Physical Journal: Special Topics, 2022, 231, 3453-3460.	2.6	8
4	Influence of asymmetric parameters in higher-order coupling with bimodal frequency distribution. Physical Review E, 2022, 105, 034307.	2.1	4
5	Stabilization of light bullets in nonlinear metamaterial waveguides. Physical Review A, 2022, 105, .	2.5	4
6	Emerging chimera states under nonidentical counter-rotating oscillators. Physical Review E, 2022, 105, 034211.	2.1	12
7	Dynamics of nondegenerate vector solitons in a long-waveâ€“short-wave resonance interaction system. Physical Review E, 2022, 105, 044203.	2.1	13
8	Aging transition under discrete time-dependent coupling: Restoring rhythmicity from aging. Chaos, Solitons and Fractals, 2022, 157, 111944.	5.1	11
9	Stable Bloch oscillations and Landau-Zener tunneling in a non-Hermitian <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric flat-band lattice. Physical Review A, 2021, 103, .	2.5	7
10	Symmetry-breaking-induced tipping to aging. European Physical Journal: Special Topics, 2021, 230, 3181-3188.	2.6	1
11	Multihumped nondegenerate fundamental bright solitons in N-coupled nonlinear SchrÃ¶dinger system. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 14LT01.	2.1	12
12	Dispersion managed generation of Peregrine solitons and Kuznetsov-Ma breather in an optical fiber. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 392, 127134.	2.1	4
13	Large amplitude spin-Hall oscillations due to field-like torque. Journal of Physics Condensed Matter, 2021, 33, 165402.	1.8	2
14	Quantum cosmology with symmetry analysis for quintom dark energy model. Physics of the Dark Universe, 2021, 32, 100795.	4.9	8
15	Amplitude-mediated spiral chimera pattern in a nonlinear reaction-diffusion system. Physical Review E, 2021, 103, 062209.	2.1	7
16	Quantum solvability of quadratic LiÃ©nard type nonlinear oscillators possessing maximal Lie point symmetries: An implication of arbitrariness of ordering parameters. Journal of Physics Communications, 2021, 5, 065007.	1.2	2
17	Realization of all logic gates and memory latch in the SC-CNN cell of the simple nonlinear MLC circuit. Chaos, 2021, 31, 063119.	2.5	6
18	Nondegenerate Bright Solitons in Coupled Nonlinear SchrÃ¶dinger Systems: Recent Developments on Optical Vector Solitons. Photonics, 2021, 8, 258.	2.0	16

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19	Enhancement of frequency by tuning in-plane magnetic field in spin-torque oscillator. Journal of Magnetism and Magnetic Materials, 2021, 532, 167989.	2.3	2
20	Spiral wave chimera-like transient dynamics in three-dimensional grid of diffusive ecological systems. Chaos, 2021, 31, 083125.	2.5	4
21	Spin-transfer torque driven localized spin excitations in the presence of field-like torque. Physica A: Statistical Mechanics and Its Applications, 2021, 584, 126319.	2.6	0
22	Modulational instability in a non-Kerr photonic Lieb lattice with metamaterials. Physical Review A, 2021, 103, .	2.5	2
23	N -channel comb filtering and lasing in PT -symmetric superstructures. Physical Review A, 2021, 103, .	2.5	3
24	Dynamics of a Non-autonomous Preyâ€“Predator Model with Age-Structured Growth in Prey and Predation of Beddingtonâ€“DeAngelis Type with Reliance on Alternative Food. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2021, 91, 705-722.	1.2	0
25	Spin Torque Oscillations Triggered by In-plane Field. Journal of Physics Condensed Matter, 2021, , .	1.8	0
26	Nondegenerate soliton solutions in certain coupled nonlinear SchrÃ¶dinger systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126201.	2.1	21
27	Nondegenerate solitons and their collisions in Manakov systems. Physical Review E, 2020, 102, 042212.	2.1	36
28	Phase-shifted PT -symmetric periodic structures. Physical Review A, 2020, 102, .	2.5	8
29	Impact of higher-order effects on dissipative soliton in metamaterials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126744.	2.1	2
30	Route to logical strange nonchaotic attractors with single periodic force and noise. Chaos, 2020, 30, 093137.	2.5	6
31	Self-diffusion-driven pattern formation in preyâ€“predator system with complex habitat under fear effect. European Physical Journal Plus, 2020, 135, 1.	2.6	11
32	State feedback control and observer-based adaptive synchronisation of chaos in a memristive Muraliâ€“Lakshmananâ€“Chua circuit. Pramana - Journal of Physics, 2020, 94, 1.	1.8	1
33	Response to â€œComment on â€˜Classification of Lie point symmetries for quadratic LiÃ©nard type equation áº• + f(x)áº‹2 + g(x) = 0â€™â€•[J. Math. Phys. 61, 044101 (2020)]. Journal of Mathematical Physics, 2020, 61, 044102.	1.1	0
34	Tailoring inhomogeneous <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric fiber-Bragg-grating spectra. Physical Review A, 2020, 101, .	2.5	11
35	Influence of Field-Like Torque in Synchronization of Spin Torque Oscillators. IEEE Transactions on Magnetics, 2020, 56, 1-10.	2.1	4
36	Frequency enhancement and power tunability in tilted polarizer spin-torque nano-oscillator. Journal of Applied Physics, 2020, 127, .	2.5	15

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37	Realisation of parallel logic elements and memory latch in a quasiperiodically-driven simple nonlinear circuit. Pramana - Journal of Physics, 2020, 94, 1.	1.8	6
38	Self-trapped dynamics of a hollow Gaussian beam in metamaterials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126527.	2.1	4
39	Tunable nonlinear spectra of anti-directional couplers. Optics Letters, 2020, 45, 1918.	3.3	5
40	Interplay Between Reproduction and Age Selective Harvesting Delays of a Single Population Non-Autonomous System. Indian Journal of Pure and Applied Mathematics, 2020, 51, 1857-1891.	0.5	0
41	Sliding Bifurcations in the Memristive Muraliâ€“Lakshmananâ€“Chua Circuit and the Memristive Driven Chua Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050214.	1.7	2
42	Nonlinear nonuniform <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric Bragg grating structures. Physical Review A, 2019, 100, .	2.5	11
43	Multifaceted dynamics and gap solitons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric periodic structures. Physical Review A, 2019, 100, .	2.5	18
44	Nondegenerate Solitons in Manakov System. Physical Review Letters, 2019, 122, 043901.	7.8	62
45	Frustration induced transient chaos, fractal and riddled basins in coupled limit cycle oscillators. Communications in Nonlinear Science and Numerical Simulation, 2019, 72, 586-599.	3.3	14
46	Quantum cosmology for non-minimally coupled scalar field in FLRW spaceâ€“time: A symmetry analysis. Annals of Physics, 2019, 407, 1-14.	2.8	6
47	Phase Locking of Spin Transfer Nano-Oscillators Using Common Microwave Sources. IEEE Transactions on Magnetics, 2019, 55, 1-9.	2.1	6
48	Long-range interaction induced collective dynamical behaviors. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 184001.	2.1	15
49	Chimera patterns in three-dimensional locally coupled systems. Physical Review E, 2019, 99, 022204.	2.1	40
50	Degenerate soliton solutions and their dynamics in the nonlocal Manakov system: I symmetry preserving and symmetry breaking solutions. Nonlinear Dynamics, 2019, 95, 343-360.	5.2	24
51	On symmetry preserving and symmetry broken bright, dark and antidark soliton solutions of nonlocal nonlinear SchrÃ¶dinger equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 15-26.	2.1	20
52	Energy-sharing collisions and the dynamics of degenerate solitons in the nonlocal Manakov system. Nonlinear Dynamics, 2019, 95, 1767-1780.	5.2	26
53	Tailoring PT-symmetric soliton switch. Optics Letters, 2019, 44, 663.	3.3	26
54	Nonlinear anti-directional couplers with gain and loss. Optics Letters, 2019, 44, 4650.	3.3	13

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55	On the interconnections between various analytic approaches in coupled first-order nonlinear differential equations. Communications in Nonlinear Science and Numerical Simulation, 2018, 62, 213-228.	3.3	3
56	Non-minimally coupled scalar field in Kantowskiâ€“Sachs model and symmetry analysis. Annals of Physics, 2018, 393, 254-263.	2.8	7
57	Chimera states in two-dimensional networks of locally coupled oscillators. Physical Review E, 2018, 97, 022201.	2.1	58
58	Exact intrinsic localized excitation of an anisotropic ferromagnetic spin chain in external magnetic field with Gilbert damping, spin current and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1890-1895.	2.1	5
59	Lie symmetry analysis and group invariant solutions of the nonlinear Helmholtz equation. Applied Mathematics and Computation, 2018, 331, 457-472.	2.2	13
60	Distinct collective states due to trade-off between attractive and repulsive couplings. Physical Review E, 2018, 97, 032207.	2.1	35
61	Stable amplitude chimera states in a network of locally coupled Stuart-Landau oscillators. Chaos, 2018, 28, 033110.	2.5	20
62	Chimera at the phase-flip transition of an ensemble of identical nonlinear oscillators. Communications in Nonlinear Science and Numerical Simulation, 2018, 59, 30-46.	3.3	12
63	Conjugate coupling-induced symmetry breaking and quenched oscillations. Europhysics Letters, 2018, 124, 20007.	2.0	16
64	On the Symmetries of a LiÃ©nard Type Nonlinear Oscillator Equation. Springer Proceedings in Mathematics and Statistics, 2018, , 75-103.	0.2	0
65	Imperfect Amplitude Mediated Chimera States in a Nonlocally Coupled Network. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	1.3	11
66	Strange nonchaotic attractors for computation. Physical Review E, 2018, 97, 052212.	2.1	17
67	Harnessing energy-sharing collisions of Manakov solitons to implement universal NOR and OR logic gates. Physical Review E, 2018, 97, 060201.	2.1	14
68	K. Porsezian (1963â€“2018). Current Science, 2018, 115, 992.	0.8	0
69	Chimeralike states in two distinct groups of identical populations of coupled Stuart-Landau oscillators. Physical Review E, 2017, 95, 022208.	2.1	16
70	Design and implementation of dynamic logic gates and R-S flip-flop using quasiperiodically driven Murali-Lakshmanan-Chua circuit. Chaos, 2017, 27, 033105.	2.5	18
71	Nonstandard bilinearization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-invariant nonlocal nonlinear SchrÃ¶dinger equation: Bright soliton solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2380-2385.	2.1	27
72	Controlling of blow-up responses by nonlinear <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> -symmetric coupling. Physical Review A, 2017, 95, .	2.5	4

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73	Implementation of dynamic dual input multiple output logic gate via resonance in globally coupled Duffing oscillators. Chaos, 2017, 27, 083106.	2.5	12
74	Spontaneous symmetry breaking due to the trade-off between attractive and repulsive couplings. Physical Review E, 2017, 95, 042301.	2.1	12
75	Quantum solvability of a general ordered position dependent mass system: Mathews-Lakshmanan oscillator. Journal of Mathematical Physics, 2017, 58, .	1.1	20
76	Discontinuity Induced Hopf and Neimarkâ€“Sacker Bifurcations in a Memristive Muraliâ€“Lakshmananâ€“Chua Circuit. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1730021.	1.7	19
77	Two-dimensional isochronous nonstandard Hamiltonian systems. Journal of Engineering Mathematics, 2017, 104, 63-75.	1.2	2
78	Complex dynamics generated by negative and positive feedback delays of a preyâ€“predator system with prey refuge: Hopf bifurcation to Chaos. International Journal of Dynamics and Control, 2017, 5, 1020-1034.	2.5	7
79	Multicomponent breathers in multiple coupled nonlinear SchrÃ¶dinger system with arbiitrary nonlinearities. , 2016, , .		0
80	Quintom cosmological model and some possible solutions using Lie and Noether symmetries. International Journal of Modern Physics D, 2016, 25, 1650110.	2.1	9
81	Interplay of symmetries and other integrability quantifiers in finite-dimensional integrable nonlinear dynamical systems. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150847.	2.1	3
82	Analytical treatment for synchronizing chaos through unidirectional coupling and implementation of logic gates. Pramana - Journal of Physics, 2016, 86, 1195-1207.	1.8	14
83	The inverse problem of a mixed LiÃ©nard-type nonlinear oscillator equation from symmetry perspective. Acta Mechanica, 2016, 227, 2039-2051.	2.1	2
84	Systems that becomePTsymmetric through interaction. Physical Review A, 2016, 94, .	2.5	6
85	Phase-flip chimera induced by environmental nonlocal coupling. Physical Review E, 2016, 94, 012208.	2.1	21
86	Emergence of a common generalized synchronization manifold in network motifs of structurally different time-delay systems. Chaos, Solitons and Fractals, 2016, 93, 235-245.	5.1	4
87	Twofold<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math>symmetry in nonlinearly damped dynamical systems and tailoring<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math>regions with position-dependent loss-gain profiles. Physical Review A, 2016, 93, .	2.5	13
88	Manipulating localized matter waves in multicomponent Bose-Einstein condensates. Physical Review E, 2016, 93, 032212.	2.1	29
89	Imperfectly synchronized states and chimera states in two interacting populations of nonlocally coupled Stuart-Landau oscillators. Physical Review E, 2016, 94, 012311.	2.1	22
90	Different kinds of chimera death states in nonlocally coupled oscillators. Physical Review E, 2016, 93, 052213.	2.1	20

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91	Macromagnetic simulation of an array of point contact spin transfer nano-oscillators. , 2016, , .		0
92	Chimera states in bursting neurons. Physical Review E, 2016, 93, 012205.	2.1	153
93	Different types of synchronization in coupled network based chaotic circuits. Communications in Nonlinear Science and Numerical Simulation, 2016, 39, 156-168.	3.3	16
94	Order preserving contact transformations and dynamical symmetries of scalar and coupled Riccati and Abel chains. Communications in Nonlinear Science and Numerical Simulation, 2016, 36, 303-318.	3.3	5
95	Explicit construction of single inputâ€“single output logic gates from three soliton solution of Manakov system. Communications in Nonlinear Science and Numerical Simulation, 2016, 36, 391-401.	3.3	13
96	Impact of symmetry breaking in networks of globally coupled oscillators. Physical Review E, 2015, 91, 052915.	2.1	52
97	Effect of asymmetry parameter on the dynamical states of nonlocally coupled nonlinear oscillators. Physical Review E, 2015, 91, 062916.	2.1	13
98	Coexisting coherent and incoherent domains near saddle-node bifurcation. Europhysics Letters, 2015, 111, 60008.	2.0	5
99	Feedback as a mechanism for the resurrection of oscillations from death states. Physical Review E, 2015, 92, 012903.	2.1	13
100	Integrable (2 + 1)-Dimensional Spin Models with Self-Consistent Potentials. Symmetry, 2015, 7, 1352-1375.	2.2	52
101	Breathers and rogue waves: Demonstration with coupled nonlinear SchrÃ¶dinger family of equations. Pramana - Journal of Physics, 2015, 84, 339-352.	1.8	5
102	Nonlinear dynamics of spin transfer nano-oscillators. Pramana - Journal of Physics, 2015, 84, 473-485.	1.8	6
103	Removal of ordering ambiguity for a class of position dependent mass quantum systems with an application to the quadratic LiÃ©nard type nonlinear oscillators. Journal of Mathematical Physics, 2015, 56, .	1.1	13
104	Factorization technique and isochronous condition for coupled quadratic and mixed LiÃ©nard-type nonlinear systems. Applied Mathematics and Computation, 2015, 252, 457-472.	2.2	1
105	Dynamics of solitons in multicomponent long waveâ€“short wave resonance interaction system. Pramana - Journal of Physics, 2015, 84, 327-338.	1.8	3
106	Enhanced synchronization in an array of spin torque nano-oscillators in the presence of oscillating external magnetic field. Europhysics Letters, 2015, 109, 17009.	2.0	11
107	Interconnections between various analytic approaches applicable to third-order nonlinear differential equations. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20140720.	2.1	5
108	Lie point symmetries classification of the mixed LiÃ©nard-type equation. Nonlinear Dynamics, 2015, 82, 1953-1968.	5.2	11

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109	Chaining property for two-qubit operator entanglement measures. European Physical Journal Plus, 2014, 129, 1.	2.6	2
110	Nonlinear Dynamics of an Array of Nano Spin Transfer Oscillators. Understanding Complex Systems, 2014, , 25-38.	0.6	0
111	Mechanism for intensity-induced chimera states in globally coupled oscillators. Physical Review E, 2014, 90, 062913.	2.1	65
112	Dynamic Environment Coupling Induced Synchronized States in Coupled Time-Delayed Electronic Circuits. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450067.	1.7	15
113	Manipulating matter rogue waves and breathers in Bose-Einstein condensates. Physical Review E, 2014, 90, 062905.	2.1	48
114	Interplay of symmetries, null forms, Darboux polynomials, integrating factors and Jacobi multipliers in integrable second-order differential equations. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20130656.	2.1	22
115	Intrinsic localized modes of a classical discrete anisotropic Heisenberg ferromagnetic spin chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1119-1125.	2.1	20
116	Adaptive coupling induced multi-stable states in complex networks. Physica D: Nonlinear Phenomena, 2014, 267, 36-48.	2.8	26
117	Multicomponent long-waveâ€“short-wave resonance interaction system: Bright solitons, energy-sharing collisions, and resonant solitons. Physical Review E, 2014, 90, 052912.	2.1	39
118	Dark solitons, breathers, and rogue wave solutions of the coupled generalized nonlinear SchrÃ¶dinger equations. Physical Review E, 2014, 89, 062901.	2.1	41
119	Observation and characterization of chimera states in coupled dynamical systems with nonlocal coupling. Physical Review E, 2014, 89, 052914.	2.1	140
120	Mixed solitons in a (2+1)-dimensional multicomponent long-waveâ€“short-wave system. Physical Review E, 2014, 90, 042901.	2.1	23
121	Integrable motion of curves in self-consistent potentials: Relation to spin systems and soliton equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2118-2123.	2.1	24
122	Generating finite dimensional integrable nonlinear dynamical systems. European Physical Journal: Special Topics, 2013, 222, 665-688.	2.6	32
123	Zero-lag synchronization in coupled time-delayed piecewise linear electronic circuits. European Physical Journal: Special Topics, 2013, 222, 729-744.	2.6	5
124	NONSMOOTH BIFURCATIONS, TRANSIENT HYPERCHAOS AND HYPERCHAOTIC BEATS IN A MEMRISTIVE MURALIâ€“LAKSHMANANâ€“CHUA CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350098.	1.7	53
125	Akhmediev breathers, Ma solitons, and general breathers from rogue waves: A case study in the Manakov system. Physical Review E, 2013, 88, 022918.	2.1	96
126	Synchronization of an array of spin torque nano oscillators in periodic applied external magnetic field. Europhysics Letters, 2013, 102, 17010.	2.0	16

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127	Classification of Lie point symmetries for quadratic LiÃ©nard type equation $ddot{x}+f(x)dot{x}^2+g(x)=0$xÌˆ+f(x)xÌ‡2+g(x)=0. Journal of Mathematical Physics, 2013, 54, .	1.1	51
128	A nonlocal connection between certain linear and nonlinear ordinary differential equations â€“ Part II: Complex nonlinear oscillators. Applied Mathematics and Computation, 2013, 224, 593-602.	2.2	1
129	Global generalized synchronization in networks of different time-delay systems. Europhysics Letters, 2013, 103, 50010.	2.0	9
130	Method of Generating N-dimensional Isochronous Nonsingular Hamiltonian Systems. Journal of Nonlinear Mathematical Physics, 2013, 20, 78.	1.3	6
131	NONLINEAR DYNAMICS OF A CLASS OF PIECEWISE LINEAR SYSTEMS. , 2013, , 285-306.		2
132	Applicability of 0-1 test for strange nonchaotic attractors. Chaos, 2013, 23, 023123.	2.5	48
133	Solitons, Tsunamis and Oceanographical Applications of. , 2013, , 1-25.		0
134	A Systematic Method of Finding Linearizing Transformations for Nonlinear Ordinary Differential Equations I: Scalar Case. Journal of Nonlinear Mathematical Physics, 2012, 19, 182.	1.3	2
135	GLOBAL AND PARTIAL PHASE SYNCHRONIZATIONS IN ARRAYS OF PIECEWISE LINEAR TIME-DELAY SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250178.	1.7	4
136	Transition to complete synchronization and global intermittent synchronization in an array of time-delay systems. Physical Review E, 2012, 86, 016212.	2.1	5
137	On the complete integrability of a nonlinear oscillator from group theoretical perspective. Journal of Mathematical Physics, 2012, 53, .	1.1	27
138	A Systematic Method of Finding Linearizing Transformations for Nonlinear Ordinary Differential Equations II: Extension to Coupled ODEs. Journal of Nonlinear Mathematical Physics, 2012, 19, 203.	1.3	2
139	A class of solvable coupled nonlinear oscillators with amplitude independent frequencies. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2188-2194.	2.1	19
140	Exact quantization of a PT-symmetric (reversible) LiÃ©nard-type nonlinear oscillator. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 382002.	2.1	32
141	Exact solutions of coupled LiÃ©nard-type nonlinear systems using factorization technique. Journal of Mathematical Physics, 2012, 53, 023511.	1.1	3
142	Anticipating, complete and lag synchronizations in RC phase-shift network based coupled Chuaâ€™s circuits without delay. Chaos, 2012, 22, 023124.	2.5	12
143	Solitons, Tsunamis and Oceanographical Applications of. , 2012, , 1603-1617.		0
144	OBSERVATION OF CHAOTIC BEATS IN A DRIVEN MEMRISTIVE CHUA'S CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 737-757.	1.7	31

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145	Delay-enhanced coherent chaotic oscillations in networks with large disorders. Physical Review E, 2011, 84, 066206.	2.1	2
146	Dynamics of Nonlinear Time-Delay Systems. Springer Series in Synergetics, 2011, , .	0.4	183
147	Matter wave switching in Boseâ€“Einstein condensates via intensity redistribution soliton interactions. Journal of Mathematical Physics, 2011, 52, .	1.1	30
148	Nonlocal symmetries of a class of scalar and coupled nonlinear ordinary differential equations of any order. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 445201.	2.1	5
149	The fascinating world of the Landauâ€“Lifshitzâ€“Gilbert equation: an overview. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1280-1300.	3.4	184
150	Synchronization transitions in coupled time-delay electronic circuits with a threshold nonlinearity. Chaos, 2011, 21, 023119.	2.5	38
151	General coupled-nonlinear-oscillator model for event-related (de)synchronization. Physical Review E, 2011, 84, 036210.	2.1	7
152	Delay Differential Equations. Springer Series in Synergetics, 2011, , 1-15.	0.4	2
153	DESIGN OF TIME DELAYED CHAOTIC CIRCUIT WITH THRESHOLD CONTROLLER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 725-735.	1.7	19
154	Solitons, Tsunamis and Oceanographical Applications of. , 2011, , 873-888.		3
155	Intermittency Transition to Generalized Synchronization. Springer Series in Synergetics, 2011, , 165-199.	0.4	0
156	Transition from Anticipatory to Lag Synchronization via Complete Synchronization. Springer Series in Synergetics, 2011, , 139-164.	0.4	0
157	Recent Developments on Delay Feedback/Coupling: Complex Networks, Chimeras, Globally Clustered Chimeras and Synchronization. Springer Series in Synergetics, 2011, , 105-126.	0.4	0
158	Complete Synchronization of Chaotic Oscillations in Coupled Time-Delay Systems. Springer Series in Synergetics, 2011, , 127-138.	0.4	0
159	DTM Induced Oscillating Synchronization. Springer Series in Synergetics, 2011, , 227-250.	0.4	0
160	Transition from Phase to Generalized Synchronization. Springer Series in Synergetics, 2011, , 201-226.	0.4	3
161	Bright and dark solitons in a quasi-1D Boseâ€“Einstein condensates modelled by 1D Grossâ€“Pitaevskii equation with time-dependent parameters. Physica D: Nonlinear Phenomena, 2010, 239, 366-386.	2.8	52
162	Publisher's Note: Chimera and globally clustered chimera: Impact of time delay [Phys. Rev. E81, 046203 (2010)]. Physical Review E, 2010, 81, .	2.1	3

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163	On certain new integrable second order nonlinear differential equations and their connection with two dimensional Lotkaâ€“Volterra system. Journal of Mathematical Physics, 2010, 51, .	1.1	10
164	A nonlocal connection between certain linear and nonlinear ordinary differential equations: Extension to coupled equations. Journal of Mathematical Physics, 2010, 51, 103513.	1.1	8
165	Scaling and synchronization in a ring of diffusively coupled nonlinear oscillators. Physical Review E, 2010, 81, 066219.	2.1	5
166	Chimera and globally clustered chimera: Impact of time delay. Physical Review E, 2010, 81, 046203.	2.1	61
167	MOTION OF SPACE CURVES IN THREE-DIMENSIONAL MINKOWSKI SPACE R_1^{3}, SO(2,1) SPIN EQUATION AND DEFOCUSING NONLINEAR SCHRÃ–DINGER EQUATION. International Journal of Geometric Methods in Modern Physics, 2010, 07, 1043-1049.	2.0	12
168	Coherently coupled bright optical solitons and their collisions. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 434018.	2.1	66
169	Global phase synchronization in an array of time-delay systems. Physical Review E, 2010, 82, 016215.	2.1	15
170	Mass synchronization: Occurrence and its control with possible applications to brain dynamics. Chaos, 2010, 20, 045106.	2.5	8
171	Experimental confirmation of chaotic phase synchronization in coupled time-delayed electronic circuits. Physical Review E, 2010, 82, 065201.	2.1	21
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