

M Lakshmanan

List of Publications by Year in descending order

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Version: 2024-02-01

425
papers

12,737
citations

32410

55
h-index

45040

94
g-index

434
all docs

434
docs citations

434
times ranked

3978
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. | 0.9 | 4 |
| 2 | Low-power optical bistability in P - T -symmetric chirped Bragg gratings with four-wave mixing. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 643. | 0.9 | 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. | 1.2 | 8 |
| 4 | Influence of asymmetric parameters in higher-order coupling with bimodal frequency distribution. Physical Review E, 2022, 105, 034307. | 0.8 | 4 |
| 5 | Stabilization of light bullets in nonlinear metamaterial waveguides. Physical Review A, 2022, 105, . | 1.0 | 4 |
| 6 | Emerging chimera states under nonidentical counter-rotating oscillators. Physical Review E, 2022, 105, 034211. | 0.8 | 12 |
| 7 | Dynamics of nondegenerate vector solitons in a long-wave–short-wave resonance interaction system. Physical Review E, 2022, 105, 044203. | 0.8 | 13 |
| 8 | Aging transition under discrete time-dependent coupling: Restoring rhythmicity from aging. Chaos, Solitons and Fractals, 2022, 157, 111944. | 2.5 | 11 |
| 9 | Stable Bloch oscillations and Landau-Zener tunneling in a non-Hermitian PT -symmetric flat-band lattice. Physical Review A, 2021, 103, . | 1.0 | 7 |
| 10 | Symmetry-breaking-induced tipping to aging. European Physical Journal: Special Topics, 2021, 230, 3181-3188. | 1.2 | 1 |
| 11 | Multihumped nondegenerate fundamental bright solitons in N -coupled nonlinear Schrödinger system. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 14LT01. | 0.7 | 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. | 0.9 | 4 |
| 13 | Large amplitude spin-Hall oscillations due to field-like torque. Journal of Physics Condensed Matter, 2021, 33, 165402. | 0.7 | 2 |
| 14 | Quantum cosmology with symmetry analysis for quintom dark energy model. Physics of the Dark Universe, 2021, 32, 100795. | 1.8 | 8 |
| 15 | Amplitude-mediated spiral chimera pattern in a nonlinear reaction-diffusion system. Physical Review E, 2021, 103, 062209. | 0.8 | 7 |
| 16 | Quantum solvability of quadratic Liouville type nonlinear oscillators possessing maximal Lie point symmetries: An implication of arbitrariness of ordering parameters. Journal of Physics Communications, 2021, 5, 065007. | 0.5 | 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. | 1.0 | 6 |
| 18 | Nondegenerate Bright Solitons in Coupled Nonlinear Schrödinger Systems: Recent Developments on Optical Vector Solitons. Photonics, 2021, 8, 258. | 0.9 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Enhancement of frequency by tuning in-plane magnetic field in spin-torque oscillator. Journal of Magnetism and Magnetic Materials, 2021, 532, 167989. | 1.0 | 2 |
| 20 | Spiral wave chimera-like transient dynamics in three-dimensional grid of diffusive ecological systems. Chaos, 2021, 31, 083125. | 1.0 | 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. | 1.2 | 0 |
| 22 | Modulational instability in a non-Kerr photonic Lieb lattice with metamaterials. Physical Review A, 2021, 103, . | 1.0 | 2 |
| 23 | N -channel comb filtering and lasing in PT -symmetric superstructures. Physical Review A, 2021, 103, . | 1.0 | 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. | 0.8 | 0 |
| 25 | Spin Torque Oscillations Triggered by In-plane Field. Journal of Physics Condensed Matter, 2021, , . | 0.7 | 0 |
| 26 | Nondegenerate soliton solutions in certain coupled nonlinear SchrÃdinger systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126201. | 0.9 | 21 |
| 27 | Nondegenerate solitons and their collisions in Manakov systems. Physical Review E, 2020, 102, 042212. | 0.8 | 36 |
| 28 | Phase-shifted PT -symmetric periodic structures. Physical Review A, 2020, 102, . | 1.0 | 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. | 0.9 | 2 |
| 30 | Route to logical strange nonchaotic attractors with single periodic force and noise. Chaos, 2020, 30, 093137. | 1.0 | 6 |
| 31 | Self-diffusion-driven pattern formation in preyâ€predator system with complex habitat under fear effect. European Physical Journal Plus, 2020, 135, 1. | 1.2 | 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. | 0.9 | 1 |
| 33 | Response to â€Comment on â€Classification of Lie point symmetries for quadratic LiÃnard type equation $\dot{x} + f(x)\dot{x}^2 + g(x) = 0$ â€[J. Math. Phys. 61, 044101 (2020)]. Journal of Mathematical Physics, 2020, 61, 044102. | 0.5 | 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, . | 1.0 | 11 |
| 35 | Influence of Field-Like Torque in Synchronization of Spin Torque Oscillators. IEEE Transactions on Magnetism, 2020, 56, 1-10. | 1.2 | 4 |
| 36 | Frequency enhancement and power tunability in tilted polarizer spin-torque nano-oscillator. Journal of Applied Physics, 2020, 127, . | 1.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Realisation of parallel logic elements and memory latch in a quasiperiodically-driven simple nonlinear circuit. <i>Pramana - Journal of Physics</i> , 2020, 94, 1. | 0.9 | 6 |
| 38 | Self-trapped dynamics of a hollow Gaussian beam in metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126527. | 0.9 | 4 |
| 39 | Tunable nonlinear spectra of anti-directional couplers. <i>Optics Letters</i> , 2020, 45, 1918. | 1.7 | 5 |
| 40 | Interplay Between Reproduction and Age Selective Harvesting Delays of a Single Population Non-Autonomous System. <i>Indian Journal of Pure and Applied Mathematics</i> , 2020, 51, 1857-1891. | 0.3 | 0 |
| 41 | Sliding Bifurcations in the Memristive Muraliâ€“Lakshmananâ€“Chua Circuit and the Memristive Driven Chua Oscillator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050214. | 0.7 | 2 |
| 42 | Nonlinear nonuniform PT -symmetric Bragg grating structures. <i>Physical Review A</i> , 2019, 100, . | 1.0 | 11 |
| 43 | Multifaceted dynamics and gap solitons in PT -symmetric periodic structures. <i>Physical Review A</i> , 2019, 100, . | 1.0 | 18 |
| 44 | Nondegenerate Solitons in Manakov System. <i>Physical Review Letters</i> , 2019, 122, 043901. | 2.9 | 62 |
| 45 | Frustration induced transient chaos, fractal and riddled basins in coupled limit cycle oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 72, 586-599. | 1.7 | 14 |
| 46 | Quantum cosmology for non-minimally coupled scalar field in FLRW spaceâ€“time: A symmetry analysis. <i>Annals of Physics</i> , 2019, 407, 1-14. | 1.0 | 6 |
| 47 | Phase Locking of Spin Transfer Nano-Oscillators Using Common Microwave Sources. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-9. | 1.2 | 6 |
| 48 | Long-range interaction induced collective dynamical behaviors. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 184001. | 0.7 | 15 |
| 49 | Chimera patterns in three-dimensional locally coupled systems. <i>Physical Review E</i> , 2019, 99, 022204. | 0.8 | 40 |
| 50 | Degenerate soliton solutions and their dynamics in the nonlocal Manakov system: I symmetry preserving and symmetry breaking solutions. <i>Nonlinear Dynamics</i> , 2019, 95, 343-360. | 2.7 | 24 |
| 51 | On symmetry preserving and symmetry broken bright, dark and antidark soliton solutions of nonlocal nonlinear Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 15-26. | 0.9 | 20 |
| 52 | Energy-sharing collisions and the dynamics of degenerate solitons in the nonlocal Manakov system. <i>Nonlinear Dynamics</i> , 2019, 95, 1767-1780. | 2.7 | 26 |
| 53 | Tailoring PT -symmetric soliton switch. <i>Optics Letters</i> , 2019, 44, 663. | 1.7 | 26 |
| 54 | Nonlinear anti-directional couplers with gain and loss. <i>Optics Letters</i> , 2019, 44, 4650. | 1.7 | 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. | 1.7 | 3 |
| 56 | Non-minimally coupled scalar field in Kantowski-Sachs model and symmetry analysis. Annals of Physics, 2018, 393, 254-263. | 1.0 | 7 |
| 57 | Chimera states in two-dimensional networks of locally coupled oscillators. Physical Review E, 2018, 97, 022201. | 0.8 | 58 |
| 58 | Exact intrinsic localized excitation of an anisotropic ferromagnetic spin chain in external magnetic field with Gilbert damping, spin current and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi mathvariant="script" \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1890-1895. | 0.9 | 5 |
| 59 | Lie symmetry analysis and group invariant solutions of the nonlinear Helmholtz equation. Applied Mathematics and Computation, 2018, 331, 457-472. | 1.4 | 13 |
| 60 | Distinct collective states due to trade-off between attractive and repulsive couplings. Physical Review E, 2018, 97, 032207. | 0.8 | 35 |
| 61 | Stable amplitude chimera states in a network of locally coupled Stuart-Landau oscillators. Chaos, 2018, 28, 033110. | 1.0 | 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. | 1.7 | 12 |
| 63 | Conjugate coupling-induced symmetry breaking and quenched oscillations. Europhysics Letters, 2018, 124, 20007. | 0.7 | 16 |
| 64 | On the Symmetries of a LiÅ©nard Type Nonlinear Oscillator Equation. Springer Proceedings in Mathematics and Statistics, 2018, , 75-103. | 0.1 | 0 |
| 65 | Imperfect Amplitude Mediated Chimera States in a Nonlocally Coupled Network. Frontiers in Applied Mathematics and Statistics, 2018, 4, . | 0.7 | 11 |
| 66 | Strange nonchaotic attractors for computation. Physical Review E, 2018, 97, 052212. | 0.8 | 17 |
| 67 | Harnessing energy-sharing collisions of Manakov solitons to implement universal NOR and OR logic gates. Physical Review E, 2018, 97, 060201. | 0.8 | 14 |
| 68 | K. Porsezian (1963-2018). Current Science, 2018, 115, 992. | 0.4 | 0 |
| 69 | Chimeralike states in two distinct groups of identical populations of coupled Stuart-Landau oscillators. Physical Review E, 2017, 95, 022208. | 0.8 | 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. | 1.0 | 18 |
| 71 | Nonstandard bilinearization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi mathvariant="script" \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -invariant nonlocal nonlinear SchrÅ¶dinger equation: Bright soliton solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2380-2385. | 0.9 | 27 |
| 72 | Controlling of blow-up responses by nonlinear $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mi mathvariant="script" \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric coupling. Physical Review A, 2017, 95, . | 1.0 | 4 |

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|----|---|-----|-----------|
| 73 | Implementation of dynamic dual input multiple output logic gate via resonance in globally coupled Duffing oscillators. <i>Chaos</i> , 2017, 27, 083106. | 1.0 | 12 |
| 74 | Spontaneous symmetry breaking due to the trade-off between attractive and repulsive couplings. <i>Physical Review E</i> , 2017, 95, 042301. | 0.8 | 12 |
| 75 | Quantum solvability of a general ordered position dependent mass system: Mathews-Lakshmanan oscillator. <i>Journal of Mathematical Physics</i> , 2017, 58, . | 0.5 | 20 |
| 76 | Discontinuity Induced Hopf and Neimark-Sacker Bifurcations in a Memristive Murali-Lakshmanan-Chua Circuit. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1730021. | 0.7 | 19 |
| 77 | Two-dimensional isochronous nonstandard Hamiltonian systems. <i>Journal of Engineering Mathematics</i> , 2017, 104, 63-75. | 0.6 | 2 |
| 78 | Complex dynamics generated by negative and positive feedback delays of a prey-predator system with prey refuge: Hopf bifurcation to Chaos. <i>International Journal of Dynamics and Control</i> , 2017, 5, 1020-1034. | 1.5 | 7 |
| 79 | Multicomponent breathers in multiple coupled nonlinear Schrödinger system with arbitrary nonlinearities. , 2016, , . | | 0 |
| 80 | Quintom cosmological model and some possible solutions using Lie and Noether symmetries. <i>International Journal of Modern Physics D</i> , 2016, 25, 1650110. | 0.9 | 9 |
| 81 | Interplay of symmetries and other integrability quantifiers in finite-dimensional integrable nonlinear dynamical systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20150847. | 1.0 | 3 |
| 82 | Analytical treatment for synchronizing chaos through unidirectional coupling and implementation of logic gates. <i>Pramana - Journal of Physics</i> , 2016, 86, 1195-1207. | 0.9 | 14 |
| 83 | The inverse problem of a mixed Liouville-type nonlinear oscillator equation from symmetry perspective. <i>Acta Mechanica</i> , 2016, 227, 2039-2051. | 1.1 | 2 |
| 84 | Systems that become PT-symmetric through interaction. <i>Physical Review A</i> , 2016, 94, . | 1.0 | 6 |
| 85 | Phase-flip chimera induced by environmental nonlocal coupling. <i>Physical Review E</i> , 2016, 94, 012208. | 0.8 | 21 |
| 86 | Emergence of a common generalized synchronization manifold in network motifs of structurally different time-delay systems. <i>Chaos, Solitons and Fractals</i> , 2016, 93, 235-245. | 2.5 | 4 |
| 87 | Twofold symmetry in nonlinearly damped dynamical systems and tailoring regions with position-dependent loss-gain profiles. <i>Physical Review A</i> , 2016, 93, . | 1.0 | 13 |
| 88 | Manipulating localized matter waves in multicomponent Bose-Einstein condensates. <i>Physical Review E</i> , 2016, 93, 032212. | 0.8 | 29 |
| 89 | Imperfectly synchronized states and chimera states in two interacting populations of nonlocally coupled Stuart-Landau oscillators. <i>Physical Review E</i> , 2016, 94, 012311. | 0.8 | 22 |
| 90 | Different kinds of chimera death states in nonlocally coupled oscillators. <i>Physical Review E</i> , 2016, 93, 052213. | 0.8 | 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. | 0.8 | 153 |
| 93 | Different types of synchronization in coupled network based chaotic circuits. Communications in Nonlinear Science and Numerical Simulation, 2016, 39, 156-168. | 1.7 | 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. | 1.7 | 5 |
| 95 | Explicit construction of single input single output logic gates from three soliton solution of Manakov system. Communications in Nonlinear Science and Numerical Simulation, 2016, 36, 391-401. | 1.7 | 13 |
| 96 | Impact of symmetry breaking in networks of globally coupled oscillators. Physical Review E, 2015, 91, 052915. | 0.8 | 52 |
| 97 | Effect of asymmetry parameter on the dynamical states of nonlocally coupled nonlinear oscillators. Physical Review E, 2015, 91, 062916. | 0.8 | 13 |
| 98 | Coexisting coherent and incoherent domains near saddle-node bifurcation. Europhysics Letters, 2015, 111, 60008. | 0.7 | 5 |
| 99 | Feedback as a mechanism for the resurrection of oscillations from death states. Physical Review E, 2015, 92, 012903. | 0.8 | 13 |
| 100 | Integrable (2 + 1)-Dimensional Spin Models with Self-Consistent Potentials. Symmetry, 2015, 7, 1352-1375. | 1.1 | 52 |
| 101 | Breathers and rogue waves: Demonstration with coupled nonlinear Schrödinger family of equations. Pramana - Journal of Physics, 2015, 84, 339-352. | 0.9 | 5 |
| 102 | Nonlinear dynamics of spin transfer nano-oscillators. Pramana - Journal of Physics, 2015, 84, 473-485. | 0.9 | 6 |
| 103 | Removal of ordering ambiguity for a class of position dependent mass quantum systems with an application to the quadratic Liénard type nonlinear oscillators. Journal of Mathematical Physics, 2015, 56, . | 0.5 | 13 |
| 104 | Factorization technique and isochronous condition for coupled quadratic and mixed Liénard-type nonlinear systems. Applied Mathematics and Computation, 2015, 252, 457-472. | 1.4 | 1 |
| 105 | Dynamics of solitons in multicomponent long wave short wave resonance interaction system. Pramana - Journal of Physics, 2015, 84, 327-338. | 0.9 | 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. | 0.7 | 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. | 1.0 | 5 |
| 108 | Lie point symmetries classification of the mixed Liénard-type equation. Nonlinear Dynamics, 2015, 82, 1953-1968. | 2.7 | 11 |

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|-----|---|-----|-----------|
| 109 | Chaining property for two-qubit operator entanglement measures. European Physical Journal Plus, 2014, 129, 1. | 1.2 | 2 |
| 110 | Nonlinear Dynamics of an Array of Nano Spin Transfer Oscillators. Understanding Complex Systems, 2014, , 25-38. | 0.3 | 0 |
| 111 | Mechanism for intensity-induced chimera states in globally coupled oscillators. Physical Review E, 2014, 90, 062913. | 0.8 | 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. | 0.7 | 15 |
| 113 | Manipulating matter rogue waves and breathers in Bose-Einstein condensates. Physical Review E, 2014, 90, 062905. | 0.8 | 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. | 1.0 | 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. | 0.9 | 20 |
| 116 | Adaptive coupling induced multi-stable states in complex networks. Physica D: Nonlinear Phenomena, 2014, 267, 36-48. | 1.3 | 26 |
| 117 | Multicomponent long-waveâ€“short-wave resonance interaction system: Bright solitons, energy-sharing collisions, and resonant solitons. Physical Review E, 2014, 90, 052912. | 0.8 | 39 |
| 118 | Dark solitons, breathers, and rogue wave solutions of the coupled generalized nonlinear Schrödinger equations. Physical Review E, 2014, 89, 062901. | 0.8 | 41 |
| 119 | Observation and characterization of chimera states in coupled dynamical systems with nonlocal coupling. Physical Review E, 2014, 89, 052914. | 0.8 | 140 |
| 120 | Mixed solitons in a (2+1)-dimensional multicomponent long-waveâ€“short-wave system. Physical Review E, 2014, 90, 042901. | 0.8 | 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. | 0.9 | 24 |
| 122 | Generating finite dimensional integrable nonlinear dynamical systems. European Physical Journal: Special Topics, 2013, 222, 665-688. | 1.2 | 32 |
| 123 | Zero-lag synchronization in coupled time-delayed piecewise linear electronic circuits. European Physical Journal: Special Topics, 2013, 222, 729-744. | 1.2 | 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. | 0.7 | 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. | 0.8 | 96 |
| 126 | Synchronization of an array of spin torque nano oscillators in periodic applied external magnetic field. Europhysics Letters, 2013, 102, 17010. | 0.7 | 16 |

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|-----|--|-----|-----------|
| 127 | Classification of Lie point symmetries for quadratic Li nard type equation $\ddot{x}+f(x)\dot{x}^2+g(x)=0$. Journal of Mathematical Physics, 2013, 54, . | 0.5 | 51 |
| 128 | A nonlocal connection between certain linear and nonlinear ordinary differential equations   Part II: Complex nonlinear oscillators. Applied Mathematics and Computation, 2013, 224, 593-602. | 1.4 | 1 |
| 129 | Global generalized synchronization in networks of different time-delay systems. Europhysics Letters, 2013, 103, 50010. | 0.7 | 9 |
| 130 | Method of Generating N-dimensional Isochronous Nonsingular Hamiltonian Systems. Journal of Nonlinear Mathematical Physics, 2013, 20, 78. | 0.8 | 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. | 1.0 | 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. | 0.8 | 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. | 0.7 | 4 |
| 136 | Transition to complete synchronization and global intermittent synchronization in an array of time-delay systems. Physical Review E, 2012, 86, 016212. | 0.8 | 5 |
| 137 | On the complete integrability of a nonlinear oscillator from group theoretical perspective. Journal of Mathematical Physics, 2012, 53, . | 0.5 | 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. | 0.8 | 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. | 0.9 | 19 |
| 140 | Exact quantization of a PT-symmetric (reversible) Li nard-type nonlinear oscillator. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 382002. | 0.7 | 32 |
| 141 | Exact solutions of coupled Li nard-type nonlinear systems using factorization technique. Journal of Mathematical Physics, 2012, 53, 023511. | 0.5 | 3 |
| 142 | Anticipating, complete and lag synchronizations in RC phase-shift network based coupled Chua's circuits without delay. Chaos, 2012, 22, 023124. | 1.0 | 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. | 0.7 | 31 |

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|-----|---|-----|-----------|
| 145 | Delay-enhanced coherent chaotic oscillations in networks with large disorders. <i>Physical Review E</i> , 2011, 84, 066206. | 0.8 | 2 |
| 146 | Dynamics of Nonlinear Time-Delay Systems. <i>Springer Series in Synergetics</i> , 2011, , . | 0.2 | 183 |
| 147 | Matter wave switching in Bose-Einstein condensates via intensity redistribution soliton interactions. <i>Journal of Mathematical Physics</i> , 2011, 52, . | 0.5 | 30 |
| 148 | Nonlocal symmetries of a class of scalar and coupled nonlinear ordinary differential equations of any order. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 445201. | 0.7 | 5 |
| 149 | The fascinating world of the Landau-Lifshitz-Gilbert equation: an overview. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 1280-1300. | 1.6 | 184 |
| 150 | Synchronization transitions in coupled time-delay electronic circuits with a threshold nonlinearity. <i>Chaos</i> , 2011, 21, 023119. | 1.0 | 38 |
| 151 | General coupled-nonlinear-oscillator model for event-related (de)synchronization. <i>Physical Review E</i> , 2011, 84, 036210. | 0.8 | 7 |
| 152 | Delay Differential Equations. <i>Springer Series in Synergetics</i> , 2011, , 1-15. | 0.2 | 2 |
| 153 | DESIGN OF TIME DELAYED CHAOTIC CIRCUIT WITH THRESHOLD CONTROLLER. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 725-735. | 0.7 | 19 |
| 154 | Solitons, Tsunamis and Oceanographical Applications of. , 2011, , 873-888. | | 3 |
| 155 | Intermittency Transition to Generalized Synchronization. <i>Springer Series in Synergetics</i> , 2011, , 165-199. | 0.2 | 0 |
| 156 | Transition from Anticipatory to Lag Synchronization via Complete Synchronization. <i>Springer Series in Synergetics</i> , 2011, , 139-164. | 0.2 | 0 |
| 157 | Recent Developments on Delay Feedback/Coupling: Complex Networks, Chimeras, Globally Clustered Chimeras and Synchronization. <i>Springer Series in Synergetics</i> , 2011, , 105-126. | 0.2 | 0 |
| 158 | Complete Synchronization of Chaotic Oscillations in Coupled Time-Delay Systems. <i>Springer Series in Synergetics</i> , 2011, , 127-138. | 0.2 | 0 |
| 159 | DTM Induced Oscillating Synchronization. <i>Springer Series in Synergetics</i> , 2011, , 227-250. | 0.2 | 0 |
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