

# Sudeshna Sinha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3048715/publications.pdf>

Version: 2024-02-01

162  
papers

3,828  
citations

94433

37  
h-index

155660

55  
g-index

165  
all docs

165  
docs citations

165  
times ranked

1380  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Quenching of oscillations in a liquid metal via attenuated coupling. <i>Physical Review E</i> , 2022, 105, L032201.  | 2.1 | 3         |
| 2  | Machine-learning potential of a single pendulum. <i>Physical Review E</i> , 2022, 105, .   | 2.1 | 8         |
| 3  | Influence of the Allee effect on extreme events in coupled three-species systems. <i>Journal of Biosciences</i> , 2022, 47, .  | 1.1 | 4         |
| 4  | Negotiating the separatrix with machine learning. <i>Nonlinear Theory and Its Applications IEICE</i> , 2021, 12, 134-142.  | 0.6 | 3         |
| 5  | Construction of logic gates exploiting resonance phenomena in nonlinear systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200238. | 3.4 | 20        |
| 6  | Harnessing tipping points for logic operations. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3403-3409.   | 2.6 | 5         |
| 7  | Competitive interplay of repulsive coupling and cross-correlated noises in bistable systems. <i>Chaos</i> , 2021, 31, 061106.  | 2.5 | 7         |
| 8  | Forecasting Hamiltonian dynamics without canonical coordinates. <i>Nonlinear Dynamics</i> , 2021, 103, 1553-1562.  | 5.2 | 21        |
| 9  | Enhancement of extreme events through the Allee effect and its mitigation through noise in a three species system. <i>Scientific Reports</i> , 2021, 11, 20913.                                      | 3.3 | 2         |
| 10 | Ill-matched timescales in coupled systems can induce oscillation suppression. <i>Chaos</i> , 2021, 31, 103104.   | 2.5 | 2         |
| 11 | Emergent noise-aided logic through synchronization. <i>Physical Review E</i> , 2021, 104, 064207.  | 2.1 | 8         |
| 12 | The scaling of physics-informed machine learning with data and dimensions. <i>Chaos, Solitons and Fractals: X</i> , 2020, 5, 100046.   | 2.1 | 11        |
| 13 | Asymmetry induced suppression of chaos. <i>Scientific Reports</i> , 2020, 10, 15582.   | 3.3 | 0         |
| 14 | Advent of extreme events in predator populations. <i>Scientific Reports</i> , 2020, 10, 10613.   | 3.3 | 13        |
| 15 | Physics-enhanced neural networks learn order and chaos. <i>Physical Review E</i> , 2020, 101, 062207.  | 2.1 | 42        |
| 16 | Echo in complex networks. <i>Physical Review E</i> , 2020, 101, 022216.  | 2.1 | 7         |
| 17 | Synchronized Hopping Induced by Interplay of Coupling and Noise. , 2020, , 325-334.  |     | 4         |
| 18 | Resilience of networks of multi-stable chaotic systems to targetted attacks. <i>European Physical Journal B</i> , 2020, 93, 1.   | 1.5 | 7         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Explosive death in nonlinear oscillators coupled by quorum sensing. <i>Physical Review E</i> , 2019, 100, 032203.                                 | 2.1 | 18        |
| 20 | Control of hierarchical networks by coupling to an external chaotic system. <i>Europhysics Letters</i> , 2019, 125, 50006.                        | 2.0 | 3         |
| 21 | Emergence of extreme events in networks of parametrically coupled chaotic populations. <i>Chaos</i> , 2019, 29, 023131.                           | 2.5 | 16        |
| 22 | Localized spatial distributions of disease phases yield long-term persistence of infection. <i>Scientific Reports</i> , 2019, 9, 20309.           | 3.3 | 3         |
| 23 | Suppression and revival of oscillations through time-varying interaction. <i>Chaos, Solitons and Fractals</i> , 2019, 118, 249-254.               | 5.1 | 12        |
| 24 | Chimera states are fragile under random links. <i>Europhysics Letters</i> , 2019, 128, 40004.   | 2.0 | 8         |
| 25 | Coupling induced logical stochastic resonance. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1581-1585. | 2.1 | 35        |
| 26 | Revival of oscillations via common environment. <i>Nonlinear Dynamics</i> , 2018, 91, 2219-2225.  | 5.2 | 10        |
| 27 | Chaotic attractor hopping yields logic operations. <i>PLoS ONE</i> , 2018, 13, e0209037.  | 2.5 | 17        |
| 28 | Environment-induced symmetry breaking of the oscillation-death state. <i>Physical Review E</i> , 2018, 98, .                                      | 2.1 | 12        |
| 29 | Anticipating persistent infection. <i>Europhysics Letters</i> , 2018, 121, 60001.   | 2.0 | 2         |
| 30 | Emergence of synchronization and regularity in firing patterns in time-varying neural hypernetworks. <i>Physical Review E</i> , 2018, 97, 052304. | 2.1 | 55        |
| 31 | Identifying nodal properties that are crucial for the dynamical robustness of multistable networks. <i>Physical Review E</i> , 2018, 98, 022314.  | 2.1 | 6         |
| 32 | Emergence of Persistent Infection due to Heterogeneity. <i>Scientific Reports</i> , 2017, 7, 41582.   | 3.3 | 6         |
| 33 | Unraveling the phase-amplitude coupling modulation in a delay-coupled diode lasers functionality. , 2017, , .                                     |     | 0         |
| 34 | Are network properties consistent indicators of synchronization?. <i>Europhysics Letters</i> , 2017, 117, 20003.                                  | 2.0 | 6         |
| 35 | Multiple-node basin stability in complex dynamical networks. <i>Physical Review E</i> , 2017, 95, 032317.   | 2.1 | 74        |
| 36 | Effect of heterogeneity in a model of El Niño Southern Oscillations. <i>Chaos, Solitons and Fractals</i> , 2017, 104, 668-679.                    | 5.1 | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Time-varying multiplex network: Intralayer and interlayer synchronization. <i>Physical Review E</i> , 2017, 96, 062308.  | 2.1 | 70        |
| 38 | Small-world networks exhibit pronounced intermittent synchronization. <i>Chaos</i> , 2017, 27, 111101.   | 2.5 | 9         |
| 39 | Suppression of chaos through coupling to an external chaotic system. <i>Nonlinear Dynamics</i> , 2017, 87, 159-167.  | 5.2 | 13        |
| 40 | Threshold-activated transport stabilizes chaotic populations to steady states. <i>PLoS ONE</i> , 2017, 12, e0183251.   | 2.5 | 4         |
| 41 | Chimera States in Star Networks. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1630023.  | 1.7 | 42        |
| 42 | Balance of Interactions Determines Optimal Survival in Multi-Species Communities. <i>PLoS ONE</i> , 2015, 10, e0145278.  | 2.5 | 5         |
| 43 | Random links enhance the sensitivity of networks to heterogeneity. <i>Europhysics Letters</i> , 2015, 112, 60004.  | 2.0 | 2         |
| 44 | Spatiotemporal regularity in networks with stochastically varying links. <i>European Physical Journal B</i> , 2015, 88, 1.   | 1.5 | 2         |
| 45 | Preventing catastrophes in spatially extended systems through dynamic switching of random interactions. <i>Pramana - Journal of Physics</i> , 2015, 84, 217-228.   | 1.8 | 1         |
| 46 | Dynamic random links enhance diversity-induced coherence in strongly coupled neuronal systems. <i>Pramana - Journal of Physics</i> , 2015, 84, 249-256.  | 1.8 | 5         |
| 47 | Coupling Reduces Noise: Applying Dynamical Coupling to Reduce Local White Additive Noise. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550040. | 1.7 | 7         |
| 48 | Effect of switching links in networks of piecewise linear maps. <i>Nonlinear Dynamics</i> , 2015, 81, 1741-1749.   | 5.2 | 6         |
| 49 | Exploiting chaos for applications. <i>Chaos</i> , 2015, 25, 097615.  | 2.5 | 18        |
| 50 | Emergent patterns in interacting neuronal sub-populations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 314-320.  | 3.3 | 8         |
| 51 | Noise tolerant spatiotemporal chaos computing. <i>Chaos</i> , 2014, 24, 043110.  | 2.5 | 17        |
| 52 | Synthetic Computation: Chaos Computing, Logical Stochastic Resonance, and Adaptive Computing. <i>Understanding Complex Systems</i> , 2014, , 51-65.  | 0.6 | 4         |
| 53 | Realization of morphing logic gates in a repressilator with quorum sensing feedback. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1099-1103.                  | 2.1 | 4         |
| 54 | Realizing logic gates with time-delayed synthetic genetic networks. <i>Nonlinear Dynamics</i> , 2014, 76, 431-439.   | 5.2 | 45        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Synchronization in time-varying networks. <i>Physical Review E</i> , 2014, 90, 022812.   | 2.1 | 80        |
| 56 | Noise enhanced activity in a complex network. <i>European Physical Journal B</i> , 2014, 87, 1.  | 1.5 | 5         |
| 57 | Enhanced logical stochastic resonance under periodic forcing. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 2866-2873.                           | 3.3 | 49        |
| 58 | Targeting Temporal Patterns in Time-Delay Chaotic Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450014.          | 1.7 | 2         |
| 59 | Taming Explosive Growth through Dynamic Random Links. <i>Scientific Reports</i> , 2014, 4, 4308.   | 3.3 | 16        |
| 60 | Cluster formation in populations of coupled chaotic neurons. <i>European Physical Journal: Special Topics</i> , 2013, 222, 905-915.  | 2.6 | 3         |
| 61 | Emergence of epidemics in rapidly varying networks. <i>Chaos, Solitons and Fractals</i> , 2013, 54, 127-134.   | 5.1 | 34        |
| 62 | Noise-Aided Logic in an Electronic Analog of Synthetic Genetic Networks. <i>PLoS ONE</i> , 2013, 8, e76032.  | 2.5 | 39        |
| 63 | Scalable ultra-sensitive detection of heterogeneity via coupled bistable dynamics. <i>Europhysics Letters</i> , 2012, 98, 60004.   | 2.0 | 3         |
| 64 | Manipulating potential wells in Logical Stochastic Resonance to obtain XOR logic. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 930-937. | 2.1 | 36        |
| 65 | Noise-assisted morphing of memory and logic function. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 957-962.                             | 2.1 | 41        |
| 66 | Noise-free logical stochastic resonance. <i>Physical Review E</i> , 2011, 84, 055201.  | 2.1 | 54        |
| 67 | Synthetic gene networks as potential flexible parallel logic gates. <i>Europhysics Letters</i> , 2011, 93, 50001.  | 2.0 | 56        |
| 68 | Noise Enhanced Logic Gates. <i>AIP Conference Proceedings</i> , 2011, , .  | 0.4 | 2         |
| 69 | Imbalance of positive and negative links induces regularity. <i>Chaos, Solitons and Fractals</i> , 2011, 44, 71-78.  | 5.1 | 4         |
| 70 | Enhancement of "ecological" responses by noise in a bistable optical system. <i>Physical Review E</i> , 2011, 83, 046219.  | 2.1 | 54        |
| 71 | 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.   | 1.7 | 19        |
| 72 | Logical stochastic resonance. <i>Chemical Physics</i> , 2010, 375, 424-434.  | 1.9 | 63        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Under what kind of parametric fluctuations is spatiotemporal regularity the most robust?. Pramana - Journal of Physics, 2010, 74, 895-906.                               | 1.8 | 3         |
| 74 | Chaogates: Morphing logic gates that exploit dynamical patterns. Chaos, 2010, 20, 037107.  | 2.5 | 45        |
| 75 | Introduction to Focus Issue: Intrinsic and Designed Computation: Information Processing in Dynamical Systemsâ€”Beyond the Digital Hegemony. Chaos, 2010, 20, 037101.     | 2.5 | 69        |
| 76 | A coupled map lattice model for rheological chaos in sheared nematic liquid crystals. Chaos, 2010, 20, 043123.   | 2.5 | 5         |
| 77 | DESIGN OF THRESHOLD CONTROLLER BASED CHAOTIC CIRCUITS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 2185-2191.          | 1.7 | 16        |
| 78 | A Noise-Assisted Reprogrammable Nanomechanical Logic Gate. Nano Letters, 2010, 10, 1168-1171.  | 9.1 | 160       |
| 79 | Realization of reliable and flexible logic gates using noisy nonlinear circuits. Applied Physics Letters, 2009, 95, .  | 3.3 | 80        |
| 80 | Construction of a Chaotic Computer Chip. Understanding Complex Systems, 2009, , 3-13.  | 0.6 | 1         |
| 81 | Logic from nonlinear dynamical evolution. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1346-1351.                                     | 2.1 | 28        |
| 82 | A simple nonlinear dynamical computing device. Chaos, Solitons and Fractals, 2009, 42, 809-819.  | 5.1 | 11        |
| 83 | Reliable Logic Circuit Elements that Exploit Nonlinearity in the Presence of a Noise Floor. Physical Review Letters, 2009, 102, 104101.                                  | 7.8 | 186       |
| 84 | Exploiting the effect of noise on a chemical system to obtain logic gates. Europhysics Letters, 2009, 86, 60003.   | 2.0 | 55        |
| 85 | Generating multi-scroll chaotic attractors by thresholding. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3234-3239.                   | 2.1 | 78        |
| 86 | Asynchronous updating of threshold-coupled chaotic neurons. Pramana - Journal of Physics, 2008, 70, 1127-1134.   | 1.8 | 3         |
| 87 | Emergent organization of oscillator clusters in coupled self-regulatory chaotic maps. Pramana - Journal of Physics, 2008, 70, 1153-1164.                                 | 1.8 | 1         |
| 88 | Chaos computing: ideas and implementations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 653-664.                   | 3.4 | 32        |
| 89 | EXPLOITING NONLINEAR DYNAMICS TO STORE AND PROCESS INFORMATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1551-1559. | 1.7 | 10        |
| 90 | Rapidly switched random links enhance spatiotemporal regularity. Physical Review E, 2008, 78, 066209.  | 2.1 | 53        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Enhancement of spatiotemporal regularity in an optimal window of random coupling. Physical Review E, 2008, 78, 035201.  | 2.1 | 27        |
| 92  | Nonuniversal dependence of spatiotemporal regularity on randomness in coupling connections. Physical Review E, 2008, 78, 066120.  | 2.1 | 9         |
| 93  | Regular and chaotic states in a local map description of sheared nematic liquid crystals. Physical Review E, 2008, 78, 011706.  | 2.1 | 1         |
| 94  | FAULT TOLERANCE AND DETECTION IN CHAOTIC COMPUTERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1955-1968.  | 1.7 | 20        |
| 95  | Synchronization in a network of model neurons. Physical Review E, 2007, 75, 026215.   | 2.1 | 23        |
| 96  | Synchronization in coupled cells with activator-inhibitor pathways. Physical Review E, 2007, 75, 011906.  | 2.1 | 32        |
| 97  | Using synchronization to obtain dynamic logic gates. Physical Review E, 2007, 75, 025201.   | 2.1 | 41        |
| 98  | Asynchronous updating induces order in threshold coupled systems. Physical Review E, 2007, 76, 046212.  | 2.1 | 6         |
| 99  | Power-law persistence characterizes traveling waves in coupled circle maps with repulsive coupling. Physical Review E, 2007, 75, 066208.  | 2.1 | 12        |
| 100 | Control and Synchronization of Chaotic Neurons Under Threshold Activated Coupling. Lecture Notes in Computer Science, 2007, , 954-962.  | 1.3 | 4         |
| 101 | Exploiting the controlled responses of chaotic elements to design configurable hardware. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 2483-2494. | 3.4 | 8         |
| 102 | Reconfigurable Logic Element using a Chaotic Circuit. , 2006, , .   |     | 0         |
| 103 | Exploiting Chaos for Computation. , 2006, , .   |     | 0         |
| 104 | Robust emergent activity in dynamical networks. Physical Review E, 2006, 74, 066117.  | 2.1 | 18        |
| 105 | Spatiotemporal consequences of relaxation time scales in threshold-coupled systems. Physical Review E, 2006, 73, 026215.  | 2.1 | 11        |
| 106 | Exploiting Nonlinear Dynamics to Search for the Existence of Matches in a Database. , 2006, , .   |     | 0         |
| 107 | HOW CRUCIAL IS SMALL WORLD CONNECTIVITY FOR DYNAMICS?. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2767-2775.                                       | 1.7 | 9         |
| 108 | A q-deformed nonlinear map. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 338, 277-287.  | 2.1 | 37        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Chaos computing: experimental realization of NOR gate using a simple chaotic circuit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 339, 39-44.                | 2.1 | 20        |
| 110 | Construction of a reconfigurable dynamic logic cell. Pramana - Journal of Physics, 2005, 64, 433-441.   | 1.8 | 14        |
| 111 | Evidence of universality for the May-Wigner stability theorem for random networks with local dynamics. Physical Review E, 2005, 71, 020902.   | 2.1 | 51        |
| 112 | Dynamic transitions in small world networks: Approach to equilibrium limit. Physical Review E, 2005, 72, 052903.  | 2.1 | 33        |
| 113 | Consequences of nonlocal connections in networks of chaotic maps under threshold activated coupling. Physical Review E, 2004, 69, 066209.   | 2.1 | 6         |
| 114 | Realization of the fundamental NOR gate using a chaotic circuit. Physical Review E, 2003, 68, 016205.   | 2.1 | 33        |
| 115 | Experimental realization of chaos control by thresholding. Physical Review E, 2003, 68, 016210.   | 2.1 | 43        |
| 116 | Evidence for directed percolation universality at the onset of spatiotemporal intermittency in coupled circle maps. Physical Review E, 2003, 67, 056218.                                    | 2.1 | 25        |
| 117 | Implementation of NOR Gate by a Chaotic Chua's Circuit. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 2669-2672.                            | 1.7 | 68        |
| 118 | CHAOTIC NETWORKS UNDER THRESHOLDING. International Journal of Modern Physics B, 2003, 17, 5503-5524.  | 2.0 | 2         |
| 119 | Persistence at the onset of spatio-temporal intermittency in coupled map lattices. Europhysics Letters, 2003, 61, 27-33.  | 2.0 | 31        |
| 120 | Random coupling of chaotic maps leads to spatiotemporal synchronization. Physical Review E, 2002, 66, 016209.   | 2.1 | 73        |
| 121 | Flexible parallel implementation of logic gates using chaotic elements. Physical Review E, 2002, 65, 036216.  | 2.1 | 44        |
| 122 | ASYNCHRONOUS UPDATING RESTORES THE LAW OF LARGE NUMBERS IN GLOBALLY COUPLED SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 663-669. | 1.7 | 2         |
| 123 | Parallel computing with extended dynamical systems. Physical Review E, 2002, 65, 036214.  | 2.1 | 35        |
| 124 | Controlling neuronal spikes. Physical Review E, 2001, 63, 056209.   | 2.1 | 20        |
| 125 | Targeting spatiotemporal patterns in extended systems with multiple coexisting attractors. Physical Review E, 2001, 64, 015203.   | 2.1 | 15        |
| 126 | Using thresholding at varying intervals to obtain different temporal patterns. Physical Review E, 2001, 63, 036212.   | 2.1 | 17        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Asynchronous updating of coupled maps leads to synchronization. Chaos, 2000, 10, 350-358.  | 2.5 | 19        |
| 128 | Distribution of Husimi zeros in polygonal billiards. Physical Review E, 1999, 60, 408-415.   | 2.1 | 14        |
| 129 | Computing with distributed chaos. Physical Review E, 1999, 60, 363-377.  | 2.1 | 86        |
| 130 | Roughening of spatial profiles in the presence of parametric noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 245, 393-398. | 2.1 | 4         |
| 131 | Hierarchical globally coupled systems. Physical Review E, 1998, 57, 5217-5229.   | 2.1 | 5         |
| 132 | Targeting chaos through adaptive control. Physical Review E, 1998, 57, R2507-R2510.  | 2.1 | 26        |
| 133 | Dynamics Based Computation. Physical Review Letters, 1998, 81, 2156-2159.  | 7.8 | 178       |
| 134 | Adaptive control of spatially extended systems: Targeting spatiotemporal patterns and chaos. Physical Review E, 1998, 58, R5221-R5224.                       | 2.1 | 38        |
| 135 | Implications of varying communication speeds in "globally" coupled maps. Physical Review E, 1998, 57, 4041-4045.   | 2.1 | 3         |
| 136 | Lattice dynamical models of adaptive spatio-temporal phenomena. Pramana - Journal of Physics, 1997, 48, 287-302.   | 1.8 | 1         |
| 137 | Nonsimultaneity effects in globally coupled maps. Physical Review E, 1996, 54, 6936-6939.  | 2.1 | 6         |
| 138 | Transient noise. Physical Review E, 1996, 53, 4509-4513.   | 2.1 | 8         |
| 139 | Adaptive dynamics on circle maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 199, 365-374.                                   | 2.1 | 22        |
| 140 | CHAOS AND REGULARITY IN ADAPTIVE LATTICE DYNAMICS. International Journal of Modern Physics B, 1995, 09, 875-931.   | 2.0 | 17        |
| 141 | Unidirectional adaptive dynamics. Physical Review E, 1994, 49, 4832-4842.  | 2.1 | 47        |
| 142 | Fluctuations in the length spectrum of pseudo-integrable billiards. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 173, 392-394. | 2.1 | 4         |
| 143 | Order in the turbulent phase of globally coupled maps. Physica D: Nonlinear Phenomena, 1993, 63, 341-349.  | 2.8 | 39        |
| 144 | Adaptive Dynamics on a Chaotic Lattice. Physical Review Letters, 1993, 71, 3396-3396.  | 7.8 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Theory of Fluctuations in Pseudointegrable Systems. Physical Review Letters, 1993, 70, 2823-2823.   | 7.8 | 0         |
| 146 | Adaptive dynamics on a chaotic lattice. Physical Review Letters, 1993, 71, 2010-2013.   | 7.8 | 52        |
| 147 | Classical resonances and an arbitrary trajectory quantization scheme for a chaotic system. Physical Review Letters, 1993, 71, 3790-3793.          | 7.8 | 5         |
| 148 | Theory of fluctuations in pseudointegrable systems. Physical Review Letters, 1993, 70, 916-919.   | 7.8 | 22        |
| 149 | Discrete Hamiltonian symmetries and semiclassical quantization. Molecular Physics, 1993, 80, 1525-1532.   | 1.7 | 5         |
| 150 | Noisy uncoupled chaotic map ensembles violate the law of large numbers. Physical Review Letters, 1992, 69, 3306-3309.                             | 7.8 | 24        |
| 151 | Fluctuations in the time periods of a model chaotic system. Physical Review A, 1992, 46, 5257-5259.   | 2.5 | 1         |
| 152 | Local-to-global coupling in chaotic maps. Physical Review A, 1992, 46, 6242-6246.   | 2.5 | 38        |
| 153 | Nonstatistical behavior of higher-dimensional coupled systems. Physical Review A, 1992, 46, 3193-3197.  | 2.5 | 23        |
| 154 | Spurious spectral fluctuations due to missing levels. Physical Review A, 1992, 46, 2649-2652.   | 2.5 | 3         |
| 155 | Nonstatistical behavior of coupled optical systems. Physical Review A, 1992, 45, 5469-5473.   | 2.5 | 42        |
| 156 | An efficient control algorithm for nonlinear systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 156, 475-478.    | 2.1 | 26        |
| 157 | Nonstandard Farey Sequences in a Realistic Diode Map. Europhysics Letters, 1991, 16, 635-641.   | 2.0 | 4         |
| 158 | Spatiotemporal intermittency on the sandpile. Physical Review Letters, 1991, 66, 2750-2753.   | 7.8 | 16        |
| 159 | Adaptive control in nonlinear dynamics. Physica D: Nonlinear Phenomena, 1990, 43, 118-128.  | 2.8 | 142       |
| 160 | Semiclassical quantization of resonant systems. Molecular Physics, 1989, 67, 335-346.   | 1.7 | 5         |
| 161 | Scaling of moments in rotational inelasticity. Chemical Physics Letters, 1987, 135, 153-158.  | 2.6 | 0         |
| 162 | Absorption spectrum for the transition state H <sub>3</sub> â€”A quantum mechanical model study. Journal of Chemical Sciences, 1986, 96, 215-221. | 1.5 | 1         |