

Ramakrishna Ramaswamy

List of Publications by Year in descending order

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193
papers

5,404
citations

109321

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202
all docs

202
docs citations

202
times ranked

3001
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermingled attractors in an asymmetrically driven modified Chua oscillator. Chaos, 2022, 32, 013106.	2.5	0
2	Phase-locking in k -partite networks of delay-coupled oscillators. Chaos, Solitons and Fractals, 2022, 157, 111947.	5.1	0
3	Transition and identification of pathological states in p53 dynamics for therapeutic intervention. Scientific Reports, 2021, 11, 2349.	3.3	1
4	A stochastic model of homeostasis: The roles of noise and nuclear positioning in deciding cell fate. IScience, 2021, 24, 103199.	4.1	1
5	Ageing in mixed populations of Stuart-Landau oscillators: the role of diversity. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 464001.	2.1	4
6	Design strategies for generalized synchronization. Physical Review E, 2018, 98, .	2.1	10
7	The collective dynamics of $NF \hat{\alpha} \hat{\rho} B$ in cellular ensembles. European Physical Journal: Special Topics, 2018, 227, 851-863.	2.6	2
8	Chemistry at the Nanoscale. Resonance, 2018, 23, 23-40.	0.3	2
9	Dynamical effects of breaking rotational symmetry in counter-rotating Stuart-Landau oscillators. Physical Review E, 2018, 98, 022212.	2.1	11
10	Emergence of chimeras through induced multistability. Physical Review E, 2017, 95, 032203.	2.1	14
11	Emergent organization in a model market. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 118-126.	2.6	3
12	General mechanism for the α noise. Physical Review E, 2017, 96, 022215.	2.1	2
13	Coupled Lorenz oscillators near the Hopf boundary: Multistability, intermingled basins, and quasiriddling. Physical Review E, 2017, 96, 062203.	2.1	8
14	Collective dynamics in heterogeneous networks of neuronal cellular automata. Physica A: Statistical Mechanics and Its Applications, 2017, 487, 111-124.	2.6	1
15	Time-delayed conjugate coupling in dynamical systems. European Physical Journal: Special Topics, 2017, 226, 1903-1910.	2.6	4
16	Synchronization properties of coupled chaotic neurons: The role of random shared input. Chaos, 2016, 26, 063118.	2.5	2
17	The energy efficiency of fractal solar grids. , 2016, , .		0
18	Generalized synchrony of coupled stochastic processes with multiplicative noise. Physical Review E, 2016, 94, 052216.	2.1	11

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19	Phase oscillators in modular networks: The effect of nonlocal coupling. Physical Review E, 2016, 93, 012207.	2.1	14
20	Driving-induced multistability in coupled chaotic oscillators: Symmetries and riddled basins. Chaos, 2016, 26, 063111.	2.5	19
21	A Scholar in His Time. , 2016, , 3-14.		0
22	Bipartite networks of oscillators with distributed delays: Synchronization branches and multistability. Physical Review E, 2015, 91, 042906.	2.1	3
23	Delay-induced remote synchronization in bipartite networks of phase oscillators. Physical Review E, 2015, 91, 022922.	2.1	9
24	Amplitude death: The cessation of oscillations in coupled nonlinear dynamical systems. , 2014, , .		8
25	Phase-locked regimes in delay-coupled oscillator networks. Chaos, 2014, 24, 043111.	2.5	3
26	Two-layer modular analysis of gene and protein networks in breast cancer. BMC Systems Biology, 2014, 8, 81.	3.0	9
27	Conjugate coupling in ecosystems: Cross-predation stabilizes food webs. Chaos, Solitons and Fractals, 2014, 68, 48-57.	5.1	34
28	Synchronization and amplitude death in hypernetworks. Physical Review E, 2014, 89, 062923.	2.1	13
29	Driving-induced bistability in coupled chaotic attractors. Physical Review E, 2013, 87, 042909.	2.1	7
30	Computational studies on the structures and energies of the tautomers of 1-amino-3-nitrotriazol-5-one-2-oxide. Structural Chemistry, 2013, 24, 1347-1367.	2.0	4
31	Chimeras with multiple coherent regions. Physical Review E, 2013, 88, 032902.	2.1	35
32	Memoryless nonlinear response: A simple mechanism for the 1/f noise. Europhysics Letters, 2013, 103, 60004.	2.0	5
33	Quasiperiodically driven maps in the low-dissipation limit. Physical Review E, 2013, 87, .	2.1	3
34	Nature of weak generalized synchronization in chaotically driven maps. Physical Review E, 2013, 87, 042913.	2.1	7
35	THE GENERALIZED TIME-DELAYED HÄNON MAP: BIFURCATIONS AND DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350045.	1.7	3
36	Amplitude death phenomena in delay-coupled Hamiltonian systems. Physical Review E, 2013, 87, 052912.	2.1	4

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37	Scaling behavior in probabilistic neuronal cellular automata. <i>Physical Review E</i> , 2013, 87, 012704.	2.1	15
38	Local Properties of Vigilance States: EMD Analysis of EEG Signals during Sleep-Waking States of Freely Moving Rats. <i>PLoS ONE</i> , 2013, 8, e78174.	2.5	13
39	Enhancing synchrony in chaotic oscillators by dynamic relaying. <i>Physical Review E</i> , 2012, 85, 027201.	2.1	29
40	Power spectrum of mass and activity fluctuations in a sandpile. <i>Physical Review E</i> , 2012, 85, 061114.	2.1	18
41	Frequency discontinuity and amplitude death with time-delay asymmetry. <i>Physical Review E</i> , 2012, 85, 046204.	2.1	18
42	Distribution of MGEs and their insertion sites in the <i>Macaca mulatta</i> genome. <i>Mobile Genetic Elements</i> , 2012, 2, 133-141.	1.8	2
43	Stochastic synchronization of interacting pathways in testosterone model. <i>Computational Biology and Chemistry</i> , 2012, 41, 10-17.	2.3	1
44	Amplitude death: The emergence of stationarity in coupled nonlinear systems. <i>Physics Reports</i> , 2012, 521, 205-228.	25.6	307
45	Phantom instabilities in adiabatically driven systems: Dynamical sensitivity to computational precision. <i>Chaos</i> , 2012, 22, 033103.	2.5	0
46	Relaying phase synchrony in chaotic oscillator chains. <i>Physical Review E</i> , 2011, 84, 056205.	2.1	0
47	Excitable Nodes on Random Graphs: Relating Dynamics to Network Structure. <i>SIAM Journal on Applied Dynamical Systems</i> , 2011, 10, 987-1012.	1.6	7
48	MicroRNAs Modulate the Dynamics of the NF- κ B Signaling Pathway. <i>PLoS ONE</i> , 2011, 6, e27774.	2.5	15
49	The effect of finite response time in coupled dynamical systems. <i>Pramana - Journal of Physics</i> , 2011, 77, 865-871.	1.8	1
50	Dynamics of excitable nodes on random graphs. <i>Pramana - Journal of Physics</i> , 2011, 77, 803-809.	1.8	2
51	Phase-flip transition in relay-coupled nonlinear oscillators. <i>Physical Review E</i> , 2011, 84, 016226.	2.1	35
52	Order parameter for the transition from strong to weak generalized synchrony from empirical mode decomposition analysis. <i>Physical Review E</i> , 2011, 83, 066201.	2.1	2
53	Genome-wide analysis of mobile genetic element insertion sites. <i>Nucleic Acids Research</i> , 2011, 39, 6864-6878.	14.5	24
54	Delay-coupled discrete maps: Synchronization, bistability, and quasiperiodicity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2636-2639.	2.1	5

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55	Stochastic synchronization of circadian rhythms. Journal of Systems Science and Complexity, 2010, 23, 978-988.	2.8	6
56	Quasiperiodic forcing of coupled chaotic systems. Physical Review E, 2010, 81, 026202.	2.1	16
57	Transition to weak generalized synchrony in chaotically driven flows. Physical Review E, 2010, 81, 016208.	2.1	5
58	Dynamical effects of integrative time-delay coupling. Physical Review E, 2010, 82, 017201.	2.1	35
59	Nature of the phase-flip transition in the synchronized approach to amplitude death. Physical Review E, 2010, 82, 046219.	2.1	31
60	Targeted control of amplitude dynamics in coupled nonlinear oscillators. Physical Review E, 2010, 82, 027201.	2.1	15
61	Amplitude death in nonlinear oscillators with nonlinear coupling. Physical Review E, 2010, 81, 027201.	2.1	105
62	Phase-flip transition in coupled electrochemical cells. Physical Review E, 2010, 81, 046213.	2.1	35
63	Stochastic Synchronization. Understanding Complex Systems, 2010, , 177-193.	0.6	1
64	Synchronization regimes in conjugate coupled chaotic oscillators. Chaos, 2009, 19, 033143.	2.5	35
65	miRNA-regulated dynamics in circadian oscillator models. BMC Systems Biology, 2009, 3, 45.	3.0	31
66	A playful side to twelfth-century mathematics. Nature, 2009, 461, 1198-1198.	27.8	0
67	Design strategies for the creation of aperiodic nonchaotic attractors. Chaos, 2009, 19, 033116.	2.5	3
68	Characterisation of Inactivation Domains and Evolutionary Strata in Human X Chromosome through Markov Segmentation. PLoS ONE, 2009, 4, e7885.	2.5	12
69	Synchronization of coupled stochastic oscillators: The effect of topology. Pramana - Journal of Physics, 2008, 70, 1165-1174.	1.8	0
70	The effect of time-delay on anomalous phase synchronization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6150-6154.	2.1	11
71	Recurrences of strange attractors. Pramana - Journal of Physics, 2008, 70, 1039-1045.	1.8	10
72	THE NATURE OF ATTRACTOR BASINS IN MULTISTABLE SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1675-1688.	1.7	29

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73	Coexisting attractors in periodically modulated logistic maps. <i>Physical Review E</i> , 2008, 77, 066217.	2.1	11
74	Universal occurrence of the phase-flip bifurcation in time-delay coupled systems. <i>Chaos</i> , 2008, 18, 023111.	2.5	68
75	Scenarios for generalized synchronization with chaotic driving. <i>Physical Review E</i> , 2008, 78, 025205.	2.1	15
76	Analytical signal analysis of strange nonchaotic dynamics. <i>Physical Review E</i> , 2008, 77, 046220.	2.1	5
77	APERIODIC NONCHAOTIC ATTRACTORS, STRANGE AND OTHERWISE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3397-3407.	1.7	29
78	Recurrence analysis of strange nonchaotic dynamics. <i>Physical Review E</i> , 2007, 75, 036222.	2.1	36
79	Markov models of genome segmentation. <i>Physical Review E</i> , 2007, 75, 011915.	2.1	17
80	Effective mechanisms for the synchronization of stochastic oscillators. <i>Physical Review E</i> , 2007, 76, 041136.	2.1	13
81	Amplitude death in the absence of time delays in identical coupled oscillators. <i>Physical Review E</i> , 2007, 76, 035201.	2.1	206
82	Identification of insertion hot spots for non-LTR retrotransposons: computational and biochemical application to <i>Entamoeba histolytica</i> . <i>Nucleic Acids Research</i> , 2006, 34, 5752-5763.	14.5	14
83	Adaptive targeting of chaotic response in periodically stimulated neural systems. <i>Chaos</i> , 2006, 16, 023116.	2.5	6
84	Wavelet Analysis of DNA Walks. <i>Journal of Computational Biology</i> , 2006, 13, 1289-1298.	1.6	35
85	Phase-flip bifurcation induced by time delay. <i>Physical Review E</i> , 2006, 74, 035204.	2.1	94
86	The LINEs and SINEs of <i>Entamoeba histolytica</i> : Comparative analysis and genomic distribution. <i>Experimental Parasitology</i> , 2005, 110, 207-213.	1.2	46
87	A perspective on nonlinear dynamics. <i>Pramana - Journal of Physics</i> , 2005, 64, 307-313.	1.8	2
88	Thermal transport in low-dimensional lattices with nearest- and next-nearest-neighbour coupling. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2005, 2005, P07005-P07005.	2.3	3
89	The phase-modulated logistic map. <i>Chaos</i> , 2005, 15, 023107.	2.5	12
90	Spectral signatures of the diffusional anomaly in water. <i>Journal of Chemical Physics</i> , 2005, 122, 104507.	3.0	36

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91	Cluster-weighted modeling: Estimation of the Lyapunov spectrum in driven systems. <i>Physical Review E</i> , 2005, 71, 016224.	2.1	5
92	Basin bifurcations in quasiperiodically forced coupled systems. <i>Physical Review E</i> , 2005, 72, 036215.	2.1	14
93	CRITICAL STRANGE NONCHAOTIC DYNAMICS IN THE FIBONACCI MAP. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005, 15, 1493-1501.	1.7	2
94	A robust meta-classification strategy for cancer diagnosis from gene expression data. , 2005, , 322-5.		7
95	On the dynamics of the critical Harper map. <i>Nonlinearity</i> , 2004, 17, 2315-2323.	1.4	8
96	Fractalization route to strange nonchaotic dynamics. <i>Physical Review E</i> , 2004, 70, 046203.	2.1	30
97	Spectral Repeat Finder (SRF): identification of repetitive sequences using Fourier transformation. <i>Bioinformatics</i> , 2004, 20, 1405-1412.	4.1	143
98	The role of heterogeneity on the spatiotemporal dynamics of host-parasite metapopulation. <i>Ecological Modelling</i> , 2004, 180, 435-443.	2.5	27
99	Symbol sequence analysis of climatic time signals. <i>Nonlinear Analysis: Real World Applications</i> , 2004, 5, 487-500.	1.7	1
100	Non-Gaussian Fluctuations of Local Lyapunov Exponents at Intermittency. <i>Journal of Statistical Physics</i> , 2003, 113, 283-295.	1.2	14
101	Signatures of multiple time-scale behaviour in the power spectra of water. <i>Chemical Physics Letters</i> , 2003, 376, 683-689.	2.6	13
102	Strange nonchaotic attractors in driven excitable systems. <i>Physical Review E</i> , 2003, 68, 037201.	2.1	17
103	Thermodynamics of critical strange nonchaotic attractors. <i>Physical Review E</i> , 2003, 68, 036104.	2.1	1
104	Analysis of DNA Sequences through Segmentation: Exploring the Mosaic via Statistical Measures. <i>Physica Scripta</i> , 2003, T106, 21.	2.5	0
105	Simplifying the mosaic description of DNA sequences. <i>Physical Review E</i> , 2002, 66, 031913.	2.1	13
106	Segmentation of genomic DNA through entropic divergence: Power laws and scaling. <i>Physical Review E</i> , 2002, 65, 051909.	2.1	16
107	Global optimization on an evolving energy landscape. <i>Physical Review E</i> , 2002, 66, 046704.	2.1	6
108	Ab initio gene identification: Prokaryote genome annotation with GeneScan and GLIMMER. <i>Journal of Biosciences</i> , 2002, 27, 7-14.	1.1	75

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109	Information-entropic analysis of chaotic time series: determination of time-delays and dynamical coupling. <i>Chaos, Solitons and Fractals</i> , 2002, 14, 633-641.	5.1	21
110	Phase ordering at crises. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 295, 273-279.	2.1	8
111	Symmetry-breaking in local Lyapunov exponents. <i>European Physical Journal B</i> , 2002, 29, 339-343.	1.5	9
112	A plethora of strange nonchaotic attractors. <i>Pramana - Journal of Physics</i> , 2001, 56, 47-56.	1.8	15
113	STRANGE NONCHAOTIC ATTRACTORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001, 11, 291-309.	1.7	134
114	Critical states and fractal attractors in fractal tongues: Localization in the Harper map. <i>Physical Review E</i> , 2001, 64, 045204.	2.1	8
115	Bifurcations and transitions in the quasiperiodically driven logistic map. <i>Physica D: Nonlinear Phenomena</i> , 2000, 145, 1-12.	2.8	21
116	Identification of Parasitic Genes by Computational Methods. <i>Parasitology Today</i> , 2000, 16, 127-131.	3.0	7
117	Intermittency transitions to strange nonchaotic attractors in a quasiperiodically driven Duffing oscillator. <i>Physical Review E</i> , 2000, 61, 3641-3651.	2.1	60
118	Melting behavior of heterogenous atomic clusters: Gapless coexisting phases in (Ar ⁺ Xe) ¹³ . <i>Journal of Chemical Physics</i> , 1999, 110, 501-507.	3.0	3
119	Characteristic distributions of finite-time Lyapunov exponents. <i>Physical Review E</i> , 1999, 60, 2761-2766.	2.1	80
120	Collision and Symmetry Breaking in the Transition to Strange Nonchaotic Attractors. <i>Physical Review Letters</i> , 1999, 83, 4530-4533.	7.8	47
121	Dynamics of a shallow fluidized bed. <i>Physical Review E</i> , 1999, 60, 7126-7130.	2.1	23
122	Targeting chaos through adaptive control. <i>Physical Review E</i> , 1998, 57, R2507-R2510.	2.1	26
123	Strange nonchaotic attractors in the quasiperiodically forced logistic map. <i>Physical Review E</i> , 1998, 57, 1576-1584.	2.1	63
124	Lyapunov Exponent at the Melting Transition in Small Ni Clusters. , 1998, , 209-213.		0
125	Intermittency Route to Strange Nonchaotic Attractors. <i>Physical Review Letters</i> , 1997, 79, 4127-4130.	7.8	105
126	Curvature fluctuations and the Lyapunov exponent at melting. <i>Physical Review E</i> , 1997, 56, 2508-2517.	2.1	28

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127	Instantaneous normal mode spectra of quantum clusters. Journal of Chemical Physics, 1997, 106, 5564-5568.	3.0	19
128	Prediction of probable genes by Fourier analysis of genomic sequences. Bioinformatics, 1997, 13, 263-270.	4.1	301
129	Synchronization of strange nonchaotic attractors. Physical Review E, 1997, 56, 7294-7296.	2.1	56
130	Resonances and chaos in the collinear collision system (He, H ₂ ⁺) and its isotopic variants. Pramana - Journal of Physics, 1997, 48, 411-424.	1.8	8
131	Dynamical signatures of "phase transitions": Chaos in finite clusters. Pramana - Journal of Physics, 1997, 48, 603-615.	1.8	2
132	Pairwise balance and invariant measures for generalized exclusion processes. Journal of Physics A, 1996, 29, 837-843.	1.6	61
133	Adaptive control in a resource management model. Ecological Modelling, 1996, 84, 53-62.	2.5	4
134	Nosé-Hoover dynamics of a nonintegrable hamiltonian system. Computational and Theoretical Chemistry, 1996, 361, 111-116.	1.5	2
135	Criticality in driven cellular automata with defects. Physica A: Statistical Mechanics and Its Applications, 1996, 224, 188-198.	2.6	9
136	Defects in self-organized criticality: A directed coupled map lattice model. Physical Review E, 1996, 54, 3157-3164.	2.1	11
137	Quantum chaos in collinear (He, H ₂ ⁺) collisions. Journal of Chemical Physics, 1996, 104, 3989-3997.	3.0	20
138	Maximal Lyapunov exponent at crises. Physical Review E, 1996, 53, 3420-3424.	2.1	29
139	Backbones of traffic jams. Journal of Physics A, 1996, 29, L547-L553.	1.6	10
140	Overcoming the zero-point dilemma in quasiclassical trajectories: (He, H ₂ ⁺) as a test case. Journal of Chemical Physics, 1995, 103, 6021-6028.	3.0	30
141	Maximal Lyapunov exponent in small atomic clusters. Physical Review E, 1995, 51, 3376-3380.	2.1	50
142	1/f Spectra in Finite Atomic Clusters. Physical Review Letters, 1995, 74, 4181-4184.	7.8	23
143	Coupled maps on trees. Physical Review E, 1995, 52, 2478-2485.	2.1	44
144	Melting of (Ar-Xe) ₁₃ Clusters: Surface-Core Effects. The Journal of Physical Chemistry, 1994, 98, 9260-9264.	2.9	19

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145	Signatures of chaos in quantum billiards: Microwave experiments. <i>Physical Review E</i> , 1994, 49, R11-R14.	2.1	364
146	Complex dynamics of atomic clusters. <i>Journal of Chemical Sciences</i> , 1994, 106, 521-530.	1.5	2
147	Symmetry breaking in quantum chaotic systems. <i>Pramana - Journal of Physics</i> , 1993, 41, L75-L81.	1.8	15
148	Decoupling surface analysis of classical irregular scattering and clarification of its icicle structure. <i>Journal of Chemical Physics</i> , 1993, 98, 1156-1169.	3.0	13
149	Scaling behavior in disordered sandpile automata. <i>Physical Review A</i> , 1992, 45, 8536-8545.	2.5	28
150	Long time fluctuation of liquid water: 1/f spectrum of energy fluctuation in hydrogen bond network rearrangement dynamics. <i>Journal of Chemical Physics</i> , 1992, 96, 3045-3053.	3.0	84
151	Level spacings for harmonic-oscillator systems. <i>Physical Review A</i> , 1991, 43, 4237-4243.	2.5	38
152	Chaos in Chemical Dynamics. , 1991, , 101-120.		0
153	Adaptive control in nonlinear dynamics. <i>Physica D: Nonlinear Phenomena</i> , 1990, 43, 118-128.	2.8	142
154	Limits of weak damping of a quantum harmonic oscillator. <i>Physical Review A</i> , 1989, 40, 3438-3440.	2.5	23
155	Exactly solved model of self-organized critical phenomena. <i>Physical Review Letters</i> , 1989, 63, 1659-1662.	7.8	299
156	Semiclassical quantization of resonant systems. <i>Molecular Physics</i> , 1989, 67, 335-346.	1.7	5
157	Spectral rigidity in atomic uranium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989, 22, 2985-2990.	1.5	7
158	Dimension Analysis of Climatic Data. <i>Journal of Climate</i> , 1989, 2, 1047-1057.	3.2	4
159	Complex behaviour of the repressible operon. <i>Journal of Theoretical Biology</i> , 1988, 132, 307-318.	1.7	20
160	Fractal Eigenfunctions in (Classically) Nonintegrable Hamiltonian Systems. <i>Europhysics Letters</i> , 1987, 4, 127-131.	2.0	0
161	Transport in random networks in a field: interacting particles. <i>Journal of Physics A</i> , 1987, 20, 2973-2987.	1.6	16
162	Scaling of moments in rotational inelasticity. <i>Chemical Physics Letters</i> , 1987, 135, 153-158.	2.6	0

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163	On the dynamics of controlled metabolic network and cellular behavior. <i>BioSystems</i> , 1987, 20, 341-354.	2.0	25
164	Escape times in interacting biased random walks. <i>Journal of Statistical Physics</i> , 1986, 43, 561-570.	1.2	6
165	Sum rules in inelastic gas-surface scattering. <i>Journal of Chemical Sciences</i> , 1986, 96, 249-252.	1.5	0
166	On backbends on percolation backbones. <i>Journal of Physics A</i> , 1986, 19, L605-L611.	1.6	10
167	Quantum information from classical trajectories: Scaling deconvolution of moments in diatom-diatom collisions. <i>Chemical Physics</i> , 1985, 95, 253-261.	1.9	5
168	Classical Diffusion on Eden Trees. <i>Physical Review Letters</i> , 1985, 54, 1346-1349.	7.8	46
169	A semiclassical quantization using arbitrary trajectories. <i>Journal of Chemical Physics</i> , 1985, 82, 747-751.	3.0	14
170	The scaling principle in classical inelastic collisions. <i>Journal of Chemical Physics</i> , 1984, 80, 2462-2463.	3.0	7
171	Quasiperiodic quantum states. <i>Journal of Chemical Physics</i> , 1984, 80, 6194-6199.	3.0	11
172	Classical trajectory analysis in atom-atom collisions: Continuous quantization and scaling behaviour. <i>Chemical Physics</i> , 1984, 88, 7-16.	1.9	4
173	Elementary concepts in chaos and turbulence. <i>Bulletin of Materials Science</i> , 1984, 6, 807-815.	1.7	1
174	Collision dynamics of non-integrable systems: Validity of classical scaling. <i>Chemical Physics</i> , 1984, 88, 17-25.	1.9	2
175	Scaling behavior in collinear atom-diatom collisions: Energy transfer from high vibrational states. <i>Journal of Chemical Physics</i> , 1984, 80, 1095-1102.	3.0	11
176	Chaotic motions in vibrating molecules: The generalized Hénon-Heiles model. <i>Chemical Physics</i> , 1983, 76, 15-24.	1.9	8
177	Classical methods in molecular scattering: a continuous quantization procedure. <i>Chemical Physics Letters</i> , 1981, 77, 190-194.	2.6	10
178	Concerning the scaling behavior in the classical mechanics of non-reactive collisions: an analytic investigation. <i>Chemical Physics</i> , 1981, 57, 129-140.	1.9	5
179	Continuous quantization procedure in quasiclassical scattering: Application to atom-Morse oscillator collisions. <i>Pramana - Journal of Physics</i> , 1981, 16, 139-146.	1.8	3
180	Perturbative examination of avoided crossings. <i>Journal of Chemical Physics</i> , 1981, 74, 1379-1384.	3.0	61

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181	A simple classical model of infrared multiphoton dissociation. Journal of Chemical Physics, 1981, 74, 4418-4425.	3.0	15
182	On the onset of chaotic motion in deterministic systems. Journal of Chemical Physics, 1981, 74, 1385-1393.	3.0	39
183	Dynamics of Forced Coupled Oscillators: Classical Phenomenology of Infrared Multiphoton Absorption. , 1981, , 193-201.		1
184	Semiclassical quantization of multidimensional systems. Journal of Chemical Physics, 1980, 73, 5400-5401.	3.0	19
185	Dynamics of van der Waals molecules: A scaling theoretical analysis of I ₂ *He. Journal of Chemical Physics, 1980, 72, 770-771.	3.0	18
186	Stochastic theory for molecular collisions: Application to the CO*He system. Journal of Chemical Physics, 1979, 70, 2455-2462.	3.0	13
187	On the correlation of rotationally inelastic rates: A scaling theoretical analysis. Chemical Physics Letters, 1979, 61, 495-498.	2.6	39
188	Quantum number and energy scaling for nonreactive collisions. Journal of Chemical Physics, 1979, 71, 850-865.	3.0	343
189	Rotational inelasticity in high-energy H ₂ ⁺ -H ₂ collisions. Chemical Physics, 1978, 28, 319-329.	1.9	9
190	Vibration-rotation relaxation in bimolecular collisions with application to para-hydrogen. Journal of Chemical Physics, 1977, 66, 152-159.	3.0	23
191	Low-temperature rotational relaxation in gaseous H ₂ and D ₂ . Journal of Chemical Physics, 1977, 66, 3021-3030.	3.0	48
192	Electron momentum distributions and compton profiles of some molecules with FSGO model. Pramana - Journal of Physics, 1977, 8, 99-107.	1.8	3
193	A higher-dimensional generalization of the Lozi map: bifurcations and dynamics. Journal of Difference Equations and Applications, 0, , 1-12.	1.1	2