Werner Ebeling

List of Publications by Year
in descending order

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231	5,897	94415 37	110368 64
papers	citations	h-index	g-index

238	238	238	2243
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Statistical theory of individual ionic activity coefficients of electrolytes with multiple â€“ Charged ions including seawater. Journal of Molecular Liquids, 2022, 346, 117814.	4.9	4
2	Equation of state of hydrogen, helium, and solar plasmas. Contributions To Plasma Physics, 2021, 61, e202100085.	1.1	5
3	Control of electron and electronâ€“hole pair dynamics on nonlinear lattice bilayers by strong solitons. Chaos, 2021, 31, 083123.	2.5	2
4	Intrinsic electronic noise strength significantly alters a period doubling cascade to chaos. Chaos, 2021, 31, 113102.	2.5	2
5	About electron transfer over long distances with tunable sub/supersonic velocities. Journal of Chemical Physics, 2020, 153, 044117.	3.0	5
6	Hydrogen, helium and lithium plasmas at high pressures. European Physical Journal: Special Topics, 2020, 229, 3403-3431.	2.6	3
7	Nonlinear excitations and bound states of electrons, holes and solitons in bilayers of triangular lattices. European Physical Journal B, 2019, 92, 1.	1.5	3
8	Non-ideality and Deep Bound States in Plasmas. Lecture Notes in Physics, 2019, , 211-231.	0.7	0
9	Discrete-breather-assisted charge transport along DNA-like molecular wires. Physical Review E, 2019, 100, 052203.	2.1	16
10	Quantum Statistics of Dilute Plasmas. Lecture Notes in Physics, 2019, , 171-210.	0.7	1
11	Non-equilibrium: Kinetic Equations. Lecture Notes in Physics, 2019, , 233-266.	0.7	0
12	Real Gas Quantum Statistics. Lecture Notes in Physics, 2019, , 141-170.	0.7	0
13	Studies on Manfred Eigen's model for the self-organization of information processing. European Biophysics Journal, 2018, 47, 395-401.	2.2	6
14	Excitation of solitons in hexagonal lattices and ways of controlling electron transport. International Journal of Dynamics and Control, 2018, 6, 1376-1383.	2.5	7
15	Physical basis of information and the relation to entropyÙ: European Physical Journal: Special Topics, 2017, 226, 161-176.	2.6	3
16	Strong Correlations and Equation of State of Dense Gases. Springer Series in Plasma Science and Technology, 2017, , 67-115.	0.2	0
17	Equations of State for Strongly Coupled Partially Ionized Plasmas. Springer Series in Plasma Science and Technology, 2017, , 279-336.	0.2	0
18	Hopping Kinetics, Quantum Dynamics and Transport. Springer Series in Plasma Science and Technology, 2017, , 367-396.	0.2	0

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19	Coulomb Systems. Screening and Ionization Problems. Springer Series in Plasma Science and Technology, 2017, , 117-191.	0.2	0
20	Energy conversion in isothermal nonlinear irreversible processes â€“ struggling for higher efficiency. European Physical Journal: Special Topics, 2017, 226, 2015-2030.	2.6	2
21	Max Planck and Albrecht UnsÃ¶ld on plasma partition functions and lowering of ionization energy. Contributions To Plasma Physics, 2017, 57, 441-451.	1.1	1
22	Coulomb Correlations and EOS of Nondegenerate Nonideal Plasmas. Springer Series in Plasma Science and Technology, 2017, , 193-239.	0.2	0
23	Plasma Bound States in Grand Canonical and Mixed Representations. Springer Series in Plasma Science and Technology, 2017, , 241-278.	0.2	0
24	Kinetic Equations and Fluctuations in Nonideal Gases and Plasmas. Springer Series in Plasma Science and Technology, 2017, , 337-366.	0.2	0
25	Quantum Statistics of Dense Gases and Nonideal Plasmas. Springer Series in Plasma Science and Technology, 2017, , .	0.2	44
26	Physics of Dense Gases, Nonideal Plasmas, and High Energy Density Matter. Springer Series in Plasma Science and Technology, 2017, , 1-66.	0.2	0
27	Entropy and the Self-Organization of Information and Value. Entropy, 2016, 18, 193.	2.2	25
28	Long-Range Electron Transport Donor-Acceptor in Nonlinear Lattices. Entropy, 2016, 18, 92.	2.2	5
29	The work of Baimbetov on Nonideal Plasmas and Some Recent Developments. Contributions To Plasma Physics, 2016, 56, 163-175.	1.1	18
30	Soliton assisted control of source to drain electron transport along natural channels â€“ crystallographic axes â€“ in two-dimensional triangular crystal lattices. European Physical Journal B, 2016, 89, 1.	1.5	11
31	From solitons to discrete breathers. European Physical Journal B, 2016, 89, 1.	1.5	15
32	Comment on â€œDirect linear term in the equation of state of plasmasâ€• Physical Review E, 2015, 92, 047101.	2.1	10
33	Selforganization of Symbols and Information. , 2015, , 141-184.		5
34	The unlikely high efficiency of a molecular motor based on active motion. European Physical Journal: Special Topics, 2015, 224, 1395-1403.	2.6	7
35	Analysis of linear and nonlinear conductivity of plasma-like systems on the basis of the Fokker-Planck equation. Physics of Plasmas, 2015, 22, .	1.9	1
36	Electron Transfer and Tunneling from Donor to Acceptor in Anharmonic Crystal Lattices. Springer Series in Materials Science, 2015, , 267-289.	0.6	1

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37	Solitons and Charge Transport in Triangular and Quadratic Crystal Lattices. Springer Series in Materials Science, 2015, , 321-339.	0.6	1
38	Modellierungskonzepte der Synergetik und der Theorie der Selbstorganisation. , 2015, , 419-452.		2
39	High electrical conductivity in nonlinear model lattice crystals mediated by thermal excitation of solectrons. European Physical Journal B, 2014, 87, 1.	1.5	14
40	On the electron transport in polydiacetylene crystals and derivatives. Europhysics Letters, 2014, 106, 27004.	2.0	21
41	Two-Dimensional Anharmonic Crystal Lattices: Solitons, Solectrons, and Electric Conduction. Springer Proceedings in Physics, 2014, , 3-13.	0.2	0
42	Models of active Brownian motors based on internal oscillations. European Physical Journal: Special Topics, 2013, 222, 2465-2479.	2.6	13
43	Controlling uphill motion of an active Brownian particle driven by shot-noise energy pulses. Physical Review E, 2013, 87, .	2.1	8
44	THERMAL SOLITONS IN 1D AND 2D ANHARMONIC LATTICES â€“ SOLECTRONS AND THE ORGANIZATION OF NON-LINEAR FLUCTUATIONS IN LONG-LIVING DYNAMICAL STRUCTURES. , 2013, , 458-465.		0
45	Electron Transport Mediated by Nonlinear Excitations in Atomic Layers. Contributions To Plasma Physics, 2013, 53, 355-359.	1.1	2
46	On bifurcations in complex ecological systems with diffusion and noise. Ecological Complexity, 2013, 14, 2-7.	2.9	1
47	Nonlinear soliton-like excitations in two-dimensional lattices and charge transport. European Physical Journal: Special Topics, 2013, 222, 2531-2546.	2.6	14
48	High Conductivity Mediated by Thermal Excitation of Solectrons. Contributions To Plasma Physics, 2013, 53, 736-743.	1.1	8
49	Towards a Theory of Degenerated Solectrons in Doped Lattices: Problems and Perspectives. Understanding Complex Systems, 2013, , 443-466.	0.6	3
50	Soliton-Mediated Electron Transfer and Electric Transport Arising from Coupling Electron Quantum Mechanics to Nonlinear Elasticity in Anharmonic Crystal Lattices. , 2013, , 47-62.		0
51	Electron pairing and Coulomb repulsion in one-dimensional anharmonic lattices. Physical Review B, 2012, 85, .	3.2	26
52	Controlling fast electron transfer at the nano-scale by solitonic excitations along crystallographic axes. European Physical Journal B, 2012, 85, 1.	1.5	25
53	Soliton-mediated compression density waves and charge density in 2d layers of underdoped cuprate-like lattices. Comptes Rendus - Mecanique, 2012, 340, 910-916.	2.1	5
54	Electron pairing in oneâ€dimensional anharmonic crystal lattices. International Journal of Quantum Chemistry, 2012, 112, 551-565.	2.0	13

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55	Quartic lattice interactions, solitonâ€like excitations, and electron pairing in oneâ€dimensional anharmonic crystals. International Journal of Quantum Chemistry, 2012, 112, 2591-2598.	2.0	10
56	On the quantum statistics of bound states within the Rutherford model of matter. Annalen Der Physik, 2012, 524, 311-326.	2.4	16
57	Active Brownian particles. European Physical Journal: Special Topics, 2012, 202, 1-162.	2.6	816
58	Bound States in Coulomb Systems â€•Old Problems and New Solutions. Contributions To Plasma Physics, 2012, 52, 7-16.	1.1	15
59	Properties of nano-scale soliton-like excitations in two-dimensional lattice layers. Physica D: Nonlinear Phenomena, 2011, 240, 1954-1959.	2.8	34
60	Soliton-like excitations and solectrons in two-dimensional nonlinear lattices. European Physical Journal B, 2011, 80, 137-145.	1.5	40
61	On the possibility of electric transport mediated by long living intrinsic localized solectron modes. European Physical Journal B, 2011, 80, 545-554.	1.5	38
62	Static and dynamic structure factors with account of the ion structure for high-temperature alkali and alkaline earth plasmas*. European Physical Journal D, 2011, 61, 117-130.	1.3	7
63	Hopping Transport and Stochastic Dynamics of Electrons in Plasma Layers. Contributions To Plasma Physics, 2011, 51, 814-829.	1.1	14
64	Electric Microfield Distributions in Alkali Plasmas with Account of the Ion Structure in a Moderately Coupled Approximation. Contributions To Plasma Physics, 2011, 51, 386-390.	1.1	0
65	Identity of electrons and ionization equilibrium. Europhysics Letters, 2011, 95, 25001.	2.0	10
66	Active particles with broken symmetry. Chaos, 2011, 21, 047517.	2.5	11
67	NUMERICAL EVIDENCE OF SOLITON-MEDIATED ELECTRON PAIRING IN HEATED ANHARMONIC CRYSTAL LATTICES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1595-1600.	1.7	15
68	Molecular dynamic simulations of electric microfield distributions in a nonideal electron-positron plasma. Plasma Physics Reports, 2010, 36, 1161-1166.	0.9	2
69	Thermodynamics of the rupture in a Morse lattice. European Physical Journal B, 2010, 75, 443-450.	1.5	0
70	Convoluted Gauss-Levy distributions and exploding Coulomb clusters. European Physical Journal: Special Topics, 2010, 187, 157-170.	2.6	7
71	The thermodynamic cycle of an entropy-driven stepper motor walking hand-over-hand. Chemical Physics, 2010, 375, 472-478.	1.9	6
72	Thermal solitons and solectrons in nonlinear conducting chains. International Journal of Quantum Chemistry, 2010, 110, 46-61.	2.0	12

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73	ON THE MATHEMATICAL MODELING OF SOLITON-MEDIATED LONG-RANGE ELECTRON TRANSFER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 185-194.	1.7	14
74	The Influence of Pauli Blocking Effects on the Mott Transition in Dense Hydrogen. Springer Series in Materials Science, 2010, , 37-61.	0.6	5
75	Tuning active Brownian motion with shot-noise energy pulses. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01029.	2.3	8
76	Electric Microfield Distributions in Li + Plasma With Account of the Ion Structure. Contributions To Plasma Physics, 2009, 49, 76-89.	1.1	9
77	Electric Microfield Distributions in Alkali Plasmas with Account of the Ion Structure. Contributions To Plasma Physics, 2009, 49, 388-402.	1.1	2
78	Microfields, Kinetic Equations and Fusion Rates in Exploding Ion Clusters. Contributions To Plasma Physics, 2009, 49, 477-487.	1.1	5
79	Electron Dynamics in Tightâ€Binding Approximation â€•the Influence of Thermal Anharmonic Lattice Excitations. Contributions To Plasma Physics, 2009, 49, 529-535.	1.1	3
80	Velocity Distributions and Kinetic Equations for Plasmas Including Levy Type Power Law Tails. Contributions To Plasma Physics, 2009, 49, 704-712.	1.1	9
81	Local electron distributions and diffusion in anharmonic lattices mediated by thermally excited solitons. European Physical Journal B, 2009, 70, 217-227.	1.5	35
82	Equilibrium thermodynamics and thermodynamic processes in nonlinear systems. European Physical Journal B, 2009, 72, 247-256.	1.5	2
83	Dynamics of individuals and swarms with shot noise induced by stochastic food supply. European Physical Journal B, 2009, 72, 597-606.	1.5	20
84	The influence of Pauli blocking effects on the properties of dense hydrogen. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 214033.	2.1	22
85	Anharmonicity and Soliton-Mediated Transport: Thermal Solitons, Solectrons and Electric Transport in Nonlinear Conducting Lattices. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 171-198.	0.5	3
86	Sensitive Networks â€“ Modelling Self-Organization and Innovation Processes in Networks. Understanding Complex Systems, 2009, , 285-327.	0.6	0
87	Thermodynamics and Phase Transitions in Dense Hydrogen â€“ the Role of Bound State Energy Shifts. Contributions To Plasma Physics, 2008, 48, 670-685.	1.1	14
88	Active Brownian motion models and applications to ratchets. European Physical Journal B, 2008, 65, 403-414.	1.5	30
89	Swarm dynamics, attractors and bifurcations of active Brownian motion. European Physical Journal: Special Topics, 2008, 157, 17-31.	2.6	26
90	Problems of bound states in plasmasâ€”physical and chemical picture revisited. Physics of Particles and Nuclei, 2008, 39, 993-997.	0.7	1

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91	THERMAL SOLITONS AND SOLECTRONS IN 1D ANHARMONIC LATTICES UP TO PHYSIOLOGICAL TEMPERATURES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3815-3823.	1.7	30
92	Compounds of paired electrons and lattice solitons moving with supersonic velocity. Physical Review E, 2008, 78, 066606.	2.1	26
93	ELECTRON TRAPPING BY SOLITONS: CLASSICAL VERSUS QUANTUM MECHANICAL APPROACH. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 521-526.	1.7	20
94	Anharmonic Oscillations, Dissipative Solitons and Non-Ohmic Supersonic Electric Transport. Lecture Notes in Physics, 2008, , 1-15.	0.7	0
95	Electron capture and transport mediated by lattice solitons. Physical Review E, 2007, 76, 046602.	2.1	40
96	Anharmonic Excitations, Time Correlations and Electric Conductivity. Contributions To Plasma Physics, 2007, 47, 465-478.	1.1	20
97	Electric Microfield Distributions in Dense Oneâ€•and Twoâ€€Component Plasmas. Contributions To Plasma Physics, 2007, 47, 659-669.	1.1	8
98	Dissipative solitons, wave asymmetry and dynamical ratchets. Physica A: Statistical Mechanics and Its Applications, 2007, 377, 435-447.	2.6	7
99	Nonlinear excitations and electric transport in dissipative Morse-Toda lattices. European Physical Journal B, 2006, 51, 87-99.	1.5	36
100	New species in evolving networksâ€”stochastic theory of sensitive networks and applications on the metaphorical level. BioSystems, 2006, 85, 65-71.	2.0	7
101	Elementary Many-Particle Processes in Plasma Microfields. Contributions To Plasma Physics, 2006, 46, 195-260.	1.1	17
102	Anharmonicity and its significance to non-Ohmic electric conduction. Physical Review E, 2006, 73, 066626.	2.1	19
103	Effect of anharmonicity on charge transport in hydrogen-bonded systems. Physical Review B, 2006, 73, .	3.2	55
104	ON SOLITON-MEDIATED FAST ELECTRIC CONDUCTION IN A NONLINEAR LATTICE WITH MORSE INTERACTIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 1035-1039.	1.7	31
105	DISSIPATIVE SOLITONS AND COMPLEX CURRENTS IN ACTIVE LATTICES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 1613-1632.	1.7	39
106	Thermodynamics and phase transitions in dissipative and active Morse chains. European Physical Journal B, 2005, 44, 509-519.	1.5	26
107	Pressure Ionization and Transitions in Dense Hydrogen. Contributions To Plasma Physics, 2005, 45, 160-167.	1.1	15
108	Nonlinear Ionic Excitations, Dynamic Bound States, and Nonlinear Currents in a One-dimensional Plasma. Contributions To Plasma Physics, 2005, 45, 275-283.	1.1	12

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109	Klimontovich's contributions to the kinetic theory of nonlinear Brownian motion and new developments. Journal of Physics: Conference Series, 2005, 11, 89-98.	0.4	6
110	STOCHASTIC DYNAMICS OF ACTIVE AGENTS IN EXTERNAL FIELDS. Fluctuation and Noise Letters, 2005, 05, L185-L192.	1.5	8
111	ON THE ATTRACTORS OF TWO-DIMENSIONAL RAYLEIGH OSCILLATORS INCLUDING NOISE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 3623-3633.	1.7	12
112	GUEST EDITORS' EDITORIAL: NOISE IN CONDENSED MATTER AND COMPLEX SYSTEMS. Fluctuation and Noise Letters, 2005, 05, L159-L161.	1.5	4
113	Noise-induced transition from translational to rotational motion of swarms. Physical Review E, 2005, 71, 051904.	2.1	133
114	ON THE POSSIBILITY OF ELECTRIC CONDUCTION MEDIATED BY DISSIPATIVE SOLITONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 245-251.	1.7	53
115	Active and passive Brownian motion of charged particles in two-dimensional plasma models. Physical Review E, 2004, 70, 046406.	2.1	9
116	FERMI RESONANCE â€" NEW APPLICATIONS OF AN OLD EFFECT. Fluctuation and Noise Letters, 2004, 04, L183-L193.	1.5	9
117	Statistical mechanics of confined systems with rotational excitations. Physica D: Nonlinear Phenomena, 2004, 187, 268-280.	2.8	9
118	Temperature-dependent quantum pair potentials and their application to dense partially ionized hydrogen plasmas. Physical Review E, 2004, 70, 046411.	2.1	98
119	Thermodynamics of ionization and dissociation in hydrogen plasmas including fluctuations and magnetic fields. European Physical Journal D, 2003, 23, 265-272.	1.3	12
120	Coulombic Phase Transitions in Dense Plasmas. Journal of Statistical Physics, 2003, 110, 861-877.	1.2	39
121	Nonequilibrium statistical mechanics of swarms of driven particles. Complexity, 2003, 8, 23-30.	1.6	22
122	Contributions of Yuri L. Klimontovich to the kinetic theory of nonideal plasmas. Contributions To Plasma Physics, 2003, 43, 247-251.	1.1	4
123	A dissipative one-dimensional collision model with intermediate energy storage. Physica D: Nonlinear Phenomena, 2003, 185, 158-174.	2.8	2
124	Mode transitions and wave propagation in a driven-dissipative Toda-Rayleigh ring. Physical Review E, 2003, 67, 056208.	2.1	17
125	COLLECTIVE MOTION OF BROWNIAN PARTICLES WITH HYDRODYNAMIC INTERACTIONS. Fluctuation and Noise Letters, 2003, 03, L145-L154.	1.5	26
126	SYNCHRONIZATION OF STOCHASTIC MOTIONS IN SWARMS OF ACTIVE BROWNIAN PARTICLES WITH GLOBAL COUPLING. Fluctuation and Noise Letters, 2003, 03, L137-L144.	1.5	3

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127	Improved Kelbg potential for correlated Coulomb systems. Journal of Physics A, 2003, 36, 5957-5962.	1.6	77
128	Dynamics and stochastics of swarms of self-propelled Brownian particles. , 2003, , .		0
129	Ensemble-based control of evolutionary optimization algorithms. Physical Review E, 2002, 65, 046106.	2.1	1
130	COHERENT MOTIONS AND CLUSTERS IN A DISSIPATIVE MORSE RING CHAIN. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 2359-2377.	1.7	24
131	Ensemble-based Control of Search Dynamics with Application to String Optimization. Zeitschrift Fur Physikalische Chemie, 2002, 216, .	2.8	1
132	Excitation of rotational modes in two-dimensional systems of driven Brownian particles. Physical Review E, 2002, 65, 061106.	2.1	50
133	Bifurcations of a semiclassical atom in a periodic field. Physical Review E, 2002, 65, 046228.	2.1	12
134	Experimental behavior of a dissipative Toda-Rayleigh ring. AIP Conference Proceedings, 2002, , .	0.4	0
135	Quantum Wave Packet Dynamics: Langevin Equations for Hamiltonian Systems Imbedded into a Heat Bath. AIP Conference Proceedings, 2002, , .	0.4	0
136	On Bjerrum's mass action law for electrolytes and Onsager's bookkeeping rule. Journal of Molecular Liquids, 2002, 96-97, 409-423.	4.9	16
137	Nonequilibrium statistical mechanics of swarms of driven particles. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 92-96.	2.6	13
138	On Saha's equation for partially ionised plasmas and Onsager's bookkeeping rule. European Physical Journal D, 2002, 20, 93-101.	1.3	9
139	Nonlinear Dynamics of Active Brownian Particles. , 2002, , 141-151.		0
140	Dynamics of Economic and Technological Search Processes in Complex Adaptive Landscapes. , 2002, , 79-96.		0
141	Evolutionary strategies for solving optimization problems. , 2002, , 240-254.		0
142	Entropy and optimal partition for data analysis. European Physical Journal B, 2001, 19, 265-269.	1.5	59
143	Statistical mechanics of canonical-dissipative systems and applications to swarm dynamics. Physical Review E, 2001, 64, 021110.	2.1	81
144	Swarms of particle agents with harmonic interactions. Theory in Biosciences, 2001, 120, 207-224.	1.4	32

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145	Thermodynamics and transport in an active Morse ring chain. European Physical Journal B, 2001, 24, 511-524.	1.5	14
146	Effective Potentials, Energies, and Pair-distribution Functions of Plasmas by Monte-Carlo Simulations. Contributions To Plasma Physics, 2001, 41, 15-25.	1.1	23
147	Swarms of Particle Agents with Harmonic Interactions. Theory in Biosciences, 2001, 120, 207-224.	1.4	8
148	PARTITION-BASED ENTROPIES OF DETERMINISTIC AND STOCHASTIC MAPS. Stochastics and Dynamics, 2001, 01, 45-61.	1.2	43
149	Dissipative Toda-Rayleigh lattice and its oscillatory modes. Physical Review E, 2001, 64, 036601.	2.1	32
150	Self-oscillations in ring Toda chains with negative friction. Physical Review E, 2001, 63, 046601.	2.1	10
151	Entropy and local uncertainty of data from sensory neurons. Physical Review E, 2001, 64, 061911.	2.1	26
152	Isentropes and Hugoniot curves for dense hydrogen and deuterium. Physical Review E, 2001, 63, 060202.	2.1	25
153	Effective Potentials, Energies, and Pair-distribution Functions of Plasmas by Monte-Carlo Simulations. , 2001, 41, 15.		1
154	Effective Potentials, Energies, and Pair-distribution Functions of Plasmas by Monte-Carlo Simulations. Contributions To Plasma Physics, 2001, 41, 15-25.	1.1	2
155	Active Motion in Systems with Energy Supply. , 2001, , 119-142.		1
156	Electric Microfield Distribution in Two-Component Plasmas. Theory and Simulations. Contributions To Plasma Physics, 2000, 40, 555-568.	1.1	23
157	Stochastic urn models of innovation and search dynamics. Physica A: Statistical Mechanics and Its Applications, 2000, 287, 599-612.	2.6	7
158	Distribution functions and excitation spectra of Toda systems at intermediate temperatures. Physica D: Nonlinear Phenomena, 2000, 141, 117-132.	2.8	15
159	Nonlinear Dynamics and Fluctuations of Dissipative Toda Chains. Journal of Statistical Physics, 2000, 101, 443-457.	1.2	34
160	Local order, entropy and predictability of financial time series. European Physical Journal B, 2000, 15, 733-737.	1.5	73
161	SOLITON-LIKE WAVES ON DISSIPATIVE TODA LATTICES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 1075-1089.	1.7	30
162	Uphill motion of active brownian particles in piecewise linear potentials. European Physical Journal B, 2000, 14, 157-168.	1.5	34

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163	Brownian particles far from equilibrium. European Physical Journal B, 2000, 15, 105-113.	1.5	170
164	Nonlinear Waves and Moving Clusters on Rings. , 2000, , 239-244.		0
165	Equation of state for hydrogen below 10000 K: From the fluid to the plasma. Physical Review B, 1999, 59, 14177-14181.	3.2	75
166	Directed motion of Brownian particles with internal energy depot. Physica A: Statistical Mechanics and Its Applications, 1999, 273, 294-314.	2.6	34
167	Active Brownian particles with energy depots modeling animal mobility. BioSystems, 1999, 49, 17-29.	2.0	134
168	Hydrogen Equation of State and Plasma Phase Transition. Contributions To Plasma Physics, 1999, 39, 21-24.	1.1	29
169	Quasiclassical Theory and Molecular Dynamics of Twoâ€Component Nonideal Plasmas. Contributions To Plasma Physics, 1999, 39, 61-64.	1.1	42
170	Quasiclassical Statistical Thermodynamics and New PadÃ© Approximations for the Free Charges in Stronglyâ€Coupled Plasma. Contributions To Plasma Physics, 1999, 39, 287-306.	1.1	12
171	Semiclassical Dynamics and Time Correlations in Twoâ€Component Plasmas. Contributions To Plasma Physics, 1999, 39, 311-321.	1.1	20
172	New PadÃ© approximations for the free charges in two-component strongly coupled plasmas based on the UnsÃ¶ld-Berlin-Montroll asymptotics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 248, 242-246.	2.1	20
173	Microfields and fusion rates for dense plasmas. Physica A: Statistical Mechanics and Its Applications, 1998, 252, 488-504.	2.6	14
174	Microscopic Models and Simulations of Local Activation Processes. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 755-765.	1.7	6
175	Complex Motion of Brownian Particles with Energy Depots. Physical Review Letters, 1998, 80, 5044-5047.	7.8	226
176	Stochastic Cluster Dynamics of Macromolecules. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 921-926.	1.7	6
177	Komplexe Strukturen: Entropie und Information. , 1998, , .		72
178	Optimization of Road Networks Using Evolutionary Strategies. Evolutionary Computation, 1997, 5, 419-438.	3.0	41
179	Many particle simulations of the quantum electron gas using momentum-dependent potentials. Physical Review E, 1997, 56, 3498-3507.	2.1	14
180	Evolutionary strategies of optimization. Physical Review E, 1997, 56, 1171-1180.	2.1	27

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181	Markov processes, dynamic entropies and the statistical prediction of mesoscale weather regimes. Tellus, Series A: Dynamic Meteorology and Oceanography, 1997, 49, 108-118.	1.7	11
182	Synchronization in ensembles of stochastic resonators. , 1997, , .		1
183	Adiabatic equation of state and ionization equilibrium of dense plasma. Physica A: Statistical Mechanics and Its Applications, 1997, 241, 719-728.	2.6	15
184	Molecular dynamics simulation of the energy distributions of molecules in liquid solutions. Journal of Molecular Liquids, 1997, 73-74, 445-452.	4.9	6
185	Smoothing representation of fitness landscapes â€" the genotypephenotype map of evolution. BioSystems, 1996, 39, 63-76.	2.0	29
186	Nonlinear stochastic effects of substitution ? an evolutionary approach. Journal of Evolutionary Economics, 1996, 6, 1-30.	1.7	39
187	ENTROPY AND EXTENDED MEMORY IN DISCRETE CHAOTIC DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 611-625.	1.7	18
188	Molecular dynamics simulation of the activation of soft molecules solved in condensed media. Physica A: Statistical Mechanics and Its Applications, 1995, 217, 22-37.	2.6	20
189	ENTROPY, TRANSINFORMATION AND WORD DISTRIBUTION OF INFORMATION-CARRYING SEQUENCES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1995, 05, 51-61.	1.7	38
190	Entropies of biosequences: The role of repeats. Physical Review E, 1994, 50, 5061-5071.	2.1	90
191	An elementary model for directed active motion. Chaos, Solitons and Fractals, 1994, 4, 1917-1930.	5.1	27
192	Correlation Functions AND Thermodynamic Potentials FOR Nonideal Plasmas. Contributions To Plasma Physics, 1993, 33, 492-502.	1.1	6
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