

Jean Pierre Boon

List of Publications by Year in descending order

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34
papers

1,030
citations

623734

14
h-index

414414

32
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36
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36
docs citations

36
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal Diffusion: From Microscopic Dynamics to Generalised Fokker-Planck and Fractional Equations. Journal of Statistical Physics, 2017, 166, 1441-1454.	1.2	2
2	Nonlinear Theory of Anomalous Diffusion and Application to Fluorescence Correlation Spectroscopy. Journal of Statistical Physics, 2015, 161, 1366-1378.	1.2	4
3	Comment on "Possible divergences in Tsallis' thermostatics" by Plastino A. and Rocca M. C.. Europhysics Letters, 2014, 107, 10003.	2.0	1
4	Microscopic approach to nonlinear reaction-diffusion: The case of morphogen gradient formation. Physical Review E, 2012, 85, 021126.	2.1	22
5	Nonextensive formalism and continuous Hamiltonian systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 329-334.	2.1	12
6	COMPLEXITY, TIME AND MUSIC. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 13, 155-164.	1.4	5
7	Generalized diffusion: A microscopic approach. Physical Review E, 2008, 77, 051103.	2.1	22
8	Nonextensive statistics in viscous fingering. Physica A: Statistical Mechanics and Its Applications, 2006, 362, 168-173.	2.6	12
9	Generalized diffusion equation. Physica A: Statistical Mechanics and Its Applications, 2006, 368, 55-62.	2.6	8
10	Lattice Boltzmann and nonextensive diffusion. Europhysics News, 2005, 36, 192-194.	0.3	1
11	Special issue overview Nonextensive statistical mechanics: new trends, new perspectives. Europhysics News, 2005, 36, 185-186.	0.3	66
12	Structural and dynamical characterization of Hele-Shaw viscous fingering. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 1723-1734.	3.4	24
13	Propagation-Dispersion Equation. Journal of Statistical Physics, 2003, 113, 527-548.	1.2	2
14	VISCOUS FINGERING IN MISCIBLE, IMMISCIBLE AND REACTIVE FLUIDS. International Journal of Modern Physics B, 2003, 17, 15-20.	2.0	14
15	How Fast Does Langton's Ant Move?. Journal of Statistical Physics, 2001, 102, 355-360.	1.2	17
16	A lattice gas automaton approach to "turbulent diffusion". Chaos, Solitons and Fractals, 2000, 11, 187-192.	5.1	7
17	Dynamics of Adsorbate Islands with Nanoscale Resolution. Journal of Statistical Physics, 2000, 101, 621-629.	1.2	4
18	Propagation and Organization in Lattice Random Media. Journal of Statistical Physics, 1999, 97, 575-608.	1.2	26

#	ARTICLE	IF	CITATIONS
19	Diffusion and correlations in lattice-gas automata. <i>Physical Review E</i> , 1997, 56, 6331-6339.	2.1	6
20	Nonlinear lattice gas hydrodynamics. <i>Journal of Statistical Physics</i> , 1997, 87, 1123-1130.	1.2	2
21	Nonlinear reactions advected by a flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 224, 207-215.	2.6	29
22	Lattice gas automata for reactive systems. <i>Physics Reports</i> , 1996, 273, 55-147.	25.6	140
23	Long-range correlations in nonequilibrium systems: Lattice gas automaton approach. <i>Physical Review E</i> , 1996, 54, 1208-1224.	2.1	14
24	Lattice gas with "interaction potential". <i>Journal of Statistical Physics</i> , 1995, 81, 361-377.	1.2	1
25	Statistical mechanics and hydrodynamics of lattice gas automata: An overview. <i>Physica D: Nonlinear Phenomena</i> , 1991, 47, 3-8.	2.8	14
26	Boundaries in lattice gas flows. <i>Physica D: Nonlinear Phenomena</i> , 1991, 47, 233-240.	2.8	58
27	Chaotic dynamics in a periodically excited air jet. <i>Physical Review Letters</i> , 1985, 55, 492-495.	7.8	14
28	Hydrodynamic modes and light scattering near the convective instability. <i>Physical Review A</i> , 1974, 10, 1355-1360.	2.5	50
29	Light-Scattering Spectrum Due to Wiggling Motions of Bacteria. <i>Biophysical Journal</i> , 1974, 14, 847-864.	0.5	40
30	Generalized "Regression" of "Fluctuations Theory as Applied to the Second Viscosity. <i>Journal of Chemical Physics</i> , 1971, 54, 4443-4450.	3.0	3
31	Transport Functions and Light Scattering in Simple Dense Fluids. <i>Physical Review A</i> , 1970, 2, 2542-2550.	2.5	15
32	Brillouin Scattering in Simple Liquids: Argon and Neon. <i>Physical Review</i> , 1969, 186, 244-254.	2.7	74
33	Calculation of the Dipole Autocorrelation Function for a System of Weakly Coupled Electric Dipoles. <i>Journal of Chemical Physics</i> , 1969, 51, 3681-3688.	3.0	5
34	On the Calculation of Autocorrelation Functions of Dynamical Variables. <i>Journal of Chemical Physics</i> , 1966, 45, 1086-1096.	3.0	299