

Kent BÃkgaard Lauritsen

List of Publications by Year in descending order

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33
papers

978
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567281

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39
all docs

39
docs citations

39
times ranked

777
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Organized Branching Processes: Mean-Field Theory for Avalanches. <i>Physical Review Letters</i> , 1995, 75, 4071-4074.	7.8	253
2	Quantification of structural uncertainty in climate data records from GPS radio occultation. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1469-1484.	4.9	113
3	Analysis of wave fields by Fourier integral operators and their application for radio occultations. <i>Radio Science</i> , 2004, 39, n/a-n/a.	1.6	86
4	Noisy Kuramoto-Sivashinsky equation for an erosion model. <i>Physical Review E</i> , 1996, 54, 3577-3580.	2.1	71
5	Self-organized branching processes: Avalanche models with dissipation. <i>Physical Review E</i> , 1996, 54, 2483-2488.	2.1	59
6	Observations and simulations of receiver-induced refractivity biases in GPS radio occultation. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	51
7	Radio holographic filtering, error estimation, and quality control of radio occultation data. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	42
8	Self-organized criticality in a rice-pile model. <i>Physical Review E</i> , 1996, 54, R4512-R4515.	2.1	33
9	DIRECTED PERCOLATION AND OTHER SYSTEMS WITH ABSORBING STATES: IMPACT OF BOUNDARIES. <i>International Journal of Modern Physics B</i> , 2001, 15, 1761-1797.	2.0	32
10	Directed percolation with a wall or edge. <i>Journal of Physics A</i> , 1998, 31, 2311-2320.	1.6	21
11	Postmillennium changes in stratospheric temperature consistently resolved by GPS radio occultation and AMSU observations. <i>Geophysical Research Letters</i> , 2017, 44, 7510-7518.	4.0	21
12	Directed percolation with an absorbing boundary. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 247, 1-9.	2.6	20
13	Surface Critical Behavior in Systems with Absorbing States. <i>Physical Review Letters</i> , 1998, 81, 2104-2107.	7.8	20
14	Universality classes for rice-pile models. <i>Physical Review E</i> , 1997, 56, 231-234.	2.1	18
15	Energy avalanches in a rice-pile model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 231, 608-614.	2.6	17
16	Processing of GRAS/METOP radio occultation data recorded in closed-loop and raw-sampling modes. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1021-1026.	3.1	16
17	Application of Wigner distribution function for analysis of radio occultations. <i>Radio Science</i> , 2010, 45, n/a-n/a.	1.6	15
18	Surface critical behavior in systems with nonequilibrium phase transitions. <i>Physical Review E</i> , 2000, 61, 167-183.	2.1	13

#	ARTICLE	IF	CITATIONS
19	Processing and validation of refractivity from GRAS radio occultation data. Atmospheric Measurement Techniques, 2011, 4, 2065-2071.	3.1	13
20	Generation of a bending angle radio occultation climatology (BAROCLIM) and its use in radio occultation retrievals. Atmospheric Measurement Techniques, 2015, 8, 109-124.	3.1	12
21	Growth equation with a conservation law. Physical Review E, 1995, 52, R1261-R1264.	2.1	10
22	Effect of quenched and correlated disorder on growth phenomena. Physical Review E, 1993, 48, 1272-1278.	2.1	9
23	Driven diffusive system with quenched impurities. Physical Review E, 1993, 47, 1563-1569.	2.1	5
24	Processing of CHAMP Radio Occultation Data Using GRAS SAF Software. , 2005, , 543-548.		4
25	Spectral method determination of dynamic exponents for Ising models. Physica A: Statistical Mechanics and Its Applications, 1994, 202, 224-236.	2.6	3
26	Radio Holographic Filtering of Noisy Radio Occultations. , 2006, , 127-134.		3
27	Branching Processes. , 2009, , 644-657.		2
28	Linearized Zverev Transform and its application for modeling radio occultations. Radio Science, 2007, 42, n/a-n/a.	1.6	1
29	Branching Processes. , 2012, , 285-297.		1
30	Growth Equation with a Conservation Law. Materials Research Society Symposia Proceedings, 1995, 407, 295.	0.1	0
31	Asymptotic methods of calculating the propagation of centimeter radio waves in the atmosphere in space-space paths. Izvestiya - Atmospheric and Oceanic Physics, 2007, 43, 745-754.	0.9	0
32	Branching Processes. , 2015, , 1-18.		0
33	Asymptotic Wave Optics Methods in Inversion and Direct Modeling of Radio Occultations: Recent Achievements. , 2006, , 81-94.		0