Eric Akkermans

List of Publications by Year
in descending order

29 papers	1,364 citations	758635 12 h-index	552369 26 g-index
30 all docs	30 docs citations	30 times ranked	1276 citing authors

#	Article	IF	Citations
1	Relating diffraction and spectral data of aperiodic tilings: Towards a Bloch theorem. Journal of Geometry and Physics, 2021, 165, 104217.	0.7	3
2	Breaking of Continuous Scale Invariance to Discrete Scale Invariance: A Universal Quantum Phase Transition. Progress in Probability, 2021, , 209-238.	0.3	2
3	Uncertainty relations for mesoscopic coherent light. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 123302.	0.9	1
4	Vacancies in graphene: Dirac physics and fractional vacuum charges. Physical Review B, 2020, 102, .	1.1	8
5	Fluctuating Forces Induced by Nonequilibrium and Coherent Light Flow. Physical Review Letters, 2020, 124, 136803.	2.9	1
6	Fractal AC Circuits and Propagating Waves on Fractals. Fractals and Dynamics in Mathematics, Science and the Arts, 2020, , 557-567.	0.2	5
7	On the landscape of scale invariance in quantum mechanics. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 435401.	0.7	1
8	Scale anomaly of a Lifshitz scalar: A universal quantum phase transition to discrete scale invariance. Physical Review D, 2018, 97, .	1.6	7
9	Roger Maynard 1938â€“2015. European Physical Journal: Special Topics, 2017, 226, 1349-1352.	1.2	0
10	Numerical study of continuous and discontinuous dynamical phase transitions for boundary-driven systems. Physical Review E, 2017, 95, 032137.	0.8	15
11	Observing a scale anomaly and a universal quantum phase transition in graphene. Nature Communications, 2017, 8, 507.	5.8	28
12	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. Physical Review B, 2017, 95, .	1.1	70
13	Topological boundary states in 1D: AnÂeffective Fabry-Perot model. European Physical Journal: Special Topics, 2017, 226, 1563-1582.	1.2	4
14	Universal current fluctuations in the symmetric exclusion process and other diffusive systems. Europhysics Letters, 2013, 103, 20001.	0.7	31
15	Spontaneous emission from a fractal vacuum. Europhysics Letters, 2013, 103, 30009.	0.7	7
16	Ramsey Fringes and Time-Domain Multiple-Slit Interference from Vacuum. Physical Review Letters, 2012, 108, 030401.	2.9	85
17	Spatial log-periodic oscillations of first-passage observables in fractals. Physical Review E, 2012, 86, 061125.	0.8	23
18	Thermodynamics of Photons on Fractals. Physical Review Letters, 2010, 105, 230407.	2.9	62

#	Article	IF	Citations
19	Transmission of information through mesoscopic scattering systems. European Physical Journal E, 2009, 28, 199-204.	0.7	2
20	Numerical study of one-dimensional and interacting Boseâ€“Einstein condensates in a random potential. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 045302.	0.6	31
21	Multiple scattering of photons by a cold atomic gas. Journal of Modern Optics, 2007, 54, 2541-2550.	0.6	0
22	Vortex nucleation through edge states in finite Boseâ€“Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, S127-S139.	0.6	2
23	Mesoscopic physics of photons. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 101.	0.9	20
24	Spectral Determinant on Quantum Graphs. Annals of Physics, 2000, 284, 10-51.	1.0	60
25	The Thouless formula: From disordered to chaotic spectra. Physica A: Statistical Mechanics and Its Applications, 1993, 200, 530-537.	1.2	3
26	Conductance and statistical properties of metallic spectra. Physical Review Letters, 1992, 68, 642-645.	2.9	69
27	Relation between persistent currents and the scattering matrix. Physical Review Letters, 1991, 66, 76-79.	2.9	118
28	Universal fluctuations and long-range correlations for wave propagation in random media. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 101-110.	1.2	0
29	Transport properties of an incommensurate system. Physical Review B, 1986, 33, 3837-3843.	1.1	4