Eric Akkermans

List of Publications by Year
in descending order

29 papers	1,364 citations	759233 12 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	1276 citing authors

#	Article	IF	Citations
1	Relation between persistent currents and the scattering matrix. Physical Review Letters, 1991, 66, 76-79.	7.8	118
2	Ramsey Fringes and Time-Domain Multiple-Slit Interference from Vacuum. Physical Review Letters, 2012, 108, 030401.	7.8	85
3	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. Physical Review B, 2017, 95, .	3.2	70
4	Conductance and statistical properties of metallic spectra. Physical Review Letters, 1992, 68, 642-645.	7.8	69
5	Thermodynamics of Photons on Fractals. Physical Review Letters, 2010, 105, 230407.	7.8	62
6	Spectral Determinant on Quantum Graphs. Annals of Physics, 2000, 284, 10-51.	2.8	60
7	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.	1.5	31
8	Universal current fluctuations in the symmetric exclusion process and other diffusive systems. Europhysics Letters, 2013, 103, 20001.	2.0	31
9	Observing a scale anomaly and a universal quantum phase transition in graphene. Nature Communications, 2017, 8, 507.	12.8	28
10	Spatial log-periodic oscillations of first-passage observables in fractals. Physical Review E, 2012, 86, 061125.	2.1	23
11	Mesoscopic physics of photons. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 101.	2.1	20
12	Numerical study of continuous and discontinuous dynamical phase transitions for boundary-driven systems. Physical Review E, 2017, 95, 032137.	2.1	15
13	Vacancies in graphene: Dirac physics and fractional vacuum charges. Physical Review B, 2020, 102, .	3.2	8
14	Spontaneous emission from a fractal vacuum. Europhysics Letters, 2013, 103, 30009.	2.0	7
15	Scale anomaly of a Lifshitz scalar: A universal quantum phase transition to discrete scale invariance. Physical Review D, 2018, 97, .	4.7	7
16	Fractal AC Circuits and Propagating Waves on Fractals. Fractals and Dynamics in Mathematics, Science and the Arts, 2020, , 557-567.	0.2	5
17	Transport properties of an incommensurate system. Physical Review B, 1986, 33, 3837-3843.	3.2	4
18	Topological boundary states in 1D: AnÂeffective Fabry-Perot model. European Physical Journal: Special Topics, 2017, 226, 1563-1582.	2.6	4

#	Article	IF	Citations
19	The Thouless formula: From disordered to chaotic spectra. Physica A: Statistical Mechanics and Its Applications, 1993, 200, 530-537.	2.6	3
20	Relating diffraction and spectral data of aperiodic tilings: Towards a Bloch theorem. Journal of Geometry and Physics, 2021, 165, 104217.	1.4	3
21	Vortex nucleation through edge states in finite Boseâ€“Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, S127-S139.	1.5	2
22	Transmission of information through mesoscopic scattering systems. European Physical Journal E, 2009, 28, 199-204.	1.6	2
23	Breaking of Continuous Scale Invariance to Discrete Scale Invariance: A Universal Quantum Phase Transition. Progress in Probability, 2021, , 209-238.	0.3	2
24	On the landscape of scale invariance in quantum mechanics. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 435401.	2.1	1
25	Fluctuating Forces Induced by Nonequilibrium and Coherent Light Flow. Physical Review Letters, 2020, 124, 136803.	7.8	1
26	Uncertainty relations for mesoscopic coherent light. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 123302.	2.3	1
27	Universal fluctuations and long-range correlations for wave propagation in random media. Physica A: Statistical Mechanics and Its Applications, 1989, 157, 101-110.	2.6	0
28	Multiple scattering of photons by a cold atomic gas. Journal of Modern Optics, 2007, 54, 2541-2550.	1.3	0
29	Roger Maynard 1938â€“2015. European Physical Journal: Special Topics, 2017, 226, 1349-1352.	2.6	0