

Eric Akkermans

List of Publications by Year in descending order

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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	Relation between persistent currents and the scattering matrix. <i>Physical Review Letters</i> , 1991, 66, 76-79.	2.9	118
2	Ramsey Fringes and Time-Domain Multiple-Slit Interference from Vacuum. <i>Physical Review Letters</i> , 2012, 108, 030401.	2.9	85
3	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. <i>Physical Review B</i> , 2017, 95, .	1.1	70
4	Conductance and statistical properties of metallic spectra. <i>Physical Review Letters</i> , 1992, 68, 642-645.	2.9	69
5	Thermodynamics of Photons on Fractals. <i>Physical Review Letters</i> , 2010, 105, 230407.	2.9	62
6	Spectral Determinant on Quantum Graphs. <i>Annals of Physics</i> , 2000, 284, 10-51.	1.0	60
7	Numerical study of one-dimensional and interacting Bose-Einstein condensates in a random potential. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 045302.	0.6	31
8	Universal current fluctuations in the symmetric exclusion process and other diffusive systems. <i>Europhysics Letters</i> , 2013, 103, 20001.	0.7	31
9	Observing a scale anomaly and a universal quantum phase transition in graphene. <i>Nature Communications</i> , 2017, 8, 507.	5.8	28
10	Spatial log-periodic oscillations of first-passage observables in fractals. <i>Physical Review E</i> , 2012, 86, 061125.	0.8	23
11	Mesoscopic physics of photons. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 101.	0.9	20
12	Numerical study of continuous and discontinuous dynamical phase transitions for boundary-driven systems. <i>Physical Review E</i> , 2017, 95, 032137.	0.8	15
13	Vacancies in graphene: Dirac physics and fractional vacuum charges. <i>Physical Review B</i> , 2020, 102, .	1.1	8
14	Spontaneous emission from a fractal vacuum. <i>Europhysics Letters</i> , 2013, 103, 30009.	0.7	7
15	Scale anomaly of a Lifshitz scalar: A universal quantum phase transition to discrete scale invariance. <i>Physical Review D</i> , 2018, 97, .	1.6	7
16	Fractal AC Circuits and Propagating Waves on Fractals. <i>Fractals and Dynamics in Mathematics, Science and the Arts</i> , 2020, , 557-567.	0.2	5
17	Transport properties of an incommensurate system. <i>Physical Review B</i> , 1986, 33, 3837-3843.	1.1	4
18	Topological boundary states in 1D: An effective Fabry-Perot model. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1563-1582.	1.2	4

#	ARTICLE	IF	CITATIONS
19	The Thouless formula: From disordered to chaotic spectra. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993, 200, 530-537.	1.2	3
20	Relating diffraction and spectral data of aperiodic tilings: Towards a Bloch theorem. <i>Journal of Geometry and Physics</i> , 2021, 165, 104217.	0.7	3
21	Vortex nucleation through edge states in finite Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, S127-S139.	0.6	2
22	Transmission of information through mesoscopic scattering systems. <i>European Physical Journal E</i> , 2009, 28, 199-204.	0.7	2
23	Breaking of Continuous Scale Invariance to Discrete Scale Invariance: A Universal Quantum Phase Transition. <i>Progress in Probability</i> , 2021, , 209-238.	0.3	2
24	On the landscape of scale invariance in quantum mechanics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 435401.	0.7	1
25	Fluctuating Forces Induced by Nonequilibrium and Coherent Light Flow. <i>Physical Review Letters</i> , 2020, 124, 136803.	2.9	1
26	Uncertainty relations for mesoscopic coherent light. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 123302.	0.9	1
27	Universal fluctuations and long-range correlations for wave propagation in random media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1989, 157, 101-110.	1.2	0
28	Multiple scattering of photons by a cold atomic gas. <i>Journal of Modern Optics</i> , 2007, 54, 2541-2550.	0.6	0
29	Roger Maynard 1938-2015. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1349-1352.	1.2	0