

Ragnar Fleischmann

List of Publications by Year in descending order

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37
papers

1,629
citations

430874

18
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

1053
citing authors

#	ARTICLE	IF	CITATIONS
1	Branched flow. <i>Physics Today</i> , 2021, 74, 44-51.	0.3	19
2	Phase space analysis of quantum transport in electronic nanodevices. <i>Journal of Physics Communications</i> , 2020, 4, 075006.	1.2	0
3	Robustness of ballistic transport in antidot superlattices. <i>New Journal of Physics</i> , 2019, 21, 043051.	2.9	5
4	Branched flow and caustics in nonlinear waves. <i>New Journal of Physics</i> , 2019, 21, 083020.	2.9	10
5	Estimating Lyapunov exponents in billiards. <i>Chaos</i> , 2019, 29, 093115.	2.5	5
6	Channeling of Branched Flow in Weakly Scattering Anisotropic Media. <i>Physical Review Letters</i> , 2017, 118, 024301.	7.8	14
7	Self-localization of Bose-Einstein condensates in optical lattices. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 055002.	1.5	3
8	Random Matrix Theory Approach to Chaotic Coherent Perfect Absorbers. <i>Physical Review Letters</i> , 2017, 118, 044101.	7.8	41
9	Dynamical phase diagram of Gaussian wave packets in optical lattices. <i>Physical Review E</i> , 2016, 93, 032219.	2.1	12
10	Low-temperature linear thermal rectifiers based on Coriolis forces. <i>Physical Review E</i> , 2016, 93, 042115.	2.1	2
11	Random focusing of tsunami waves. <i>Nature Physics</i> , 2016, 12, 259-262.	16.7	50
12	Statistics of Extreme Waves in Random Media. <i>Physical Review Letters</i> , 2014, 112, .	7.8	50
13	Experimental Observation of a Fundamental Length Scale of Waves in Random Media. <i>Physical Review Letters</i> , 2013, 111, 183902.	7.8	36
14	Nature of self-localization of Bose-Einstein condensates in optical lattices. <i>Physical Review A</i> , 2013, 87, .	2.5	22
15	Intensity Fluctuations of Waves in Random Media: What Is the Semiclassical Limit?. <i>Physical Review Letters</i> , 2013, 111, 013901.	7.8	16
16	Scaling theory of heat transport in quasi-one-dimensional disordered harmonic chains. <i>Physical Review E</i> , 2013, 87, 020101.	2.1	10
17	Musical rhythms: The science of being slightly off. <i>Physics Today</i> , 2012, 65, 64-65.	0.3	14
18	How branching can change the conductance of ballistic semiconductor devices. <i>Physical Review B</i> , 2012, 85, .	3.2	23

#	ARTICLE	IF	CITATIONS
19	Random Caustics and Intensity Fluctuations in Weakly Disordered Media. , 2012, , .		0
20	The Nature and Perception of Fluctuations in Human Musical Rhythms. PLoS ONE, 2011, 6, e26457.	2.5	63
21	Heat transport in active harmonic chains. Physical Review E, 2011, 84, 021119.	2.1	7
22	Optical structures with local PT -symmetry. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 265305.	2.1	42
23	Universal Statistics of Branched Flows. Physical Review Letters, 2010, 105, 020601.	7.8	38
24	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{optical lattices and universality in beam dynamics. Physical Review A, 2010, 82, .}$	2.5	212
25	Avalanches of Bose-Einstein condensates in leaking optical lattices. New Journal of Physics, 2009, 11, 073045.	2.9	30
26	Exponentially Fragile P T Symmetry in Lattices with Localized Eigenmodes. Physical Review Letters, 2009, 103, 030402.	7.8	255
27	Fractal conductance fluctuations of classical origin. Physical Review E, 2007, 76, 015202.	2.1	6
28	Geisel and Fleischmann Reply:. Physical Review Letters, 2003, 90, .	7.8	7
29	Mesoscopic Rectifiers Based on Ballistic Transport. Physical Review Letters, 2002, 89, 016804.	7.8	50
30	Enhanced soft-wall effects for composite fermions in magnetic focusing and commensurability experiments. Physica E: Low-Dimensional Systems and Nanostructures, 1997, 1, 153-159.	2.7	1
31	Magnetic Focusing of Composite Fermions through Arrays of Cavities. Physical Review Letters, 1996, 77, 2272-2275.	7.8	127
32	Evidence for quasi-classical transport of composite fermions in an inhomogeneous effective magnetic field. Semiconductor Science and Technology, 1996, 11, 1482-1487.	2.0	2
33	Nonlinear dynamics of composite fermions in nanostructures. Europhysics Letters, 1996, 36, 167-172.	2.0	17
34	Quantum diffusion, fractal spectra, and chaos in semiconductor microstructures. Physica D: Nonlinear Phenomena, 1995, 86, 171-181.	2.8	16
35	Cyclotron-resonance anomalies in an antidot array measured by microwave photoconductivity. Physical Review B, 1995, 52, R8658-R8661.	3.2	36
36	Quenched and Negative Hall Effect in Periodic Media: Application to Antidot Superlattices. Europhysics Letters, 1994, 25, 219-224.	2.0	60

#	ARTICLE	IF	CITATIONS
37	Magnetoresistance due to chaos and nonlinear resonances in lateral surface superlattices. Physical Review Letters, 1992, 68, 1367-1370.	7.8	328