

Ragnar Fleischmann

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Magnetoresistance due to chaos and nonlinear resonances in lateral surface superlattices. Physical Review Letters, 1992, 68, 1367-1370. | 7.8 | 328 |
| 2 | Exponentially Fragile $P < T$ Symmetry in Lattices with Localized Eigenmodes. Physical Review Letters, 2009, 103, 030402. | 7.8 | 255 |
| 3 | $P < T$ optical lattices and universality in beam dynamics. Physical Review A, 2010, 82, . | 2.5 | 212 |
| 4 | Magnetic Focusing of Composite Fermions through Arrays of Cavities. Physical Review Letters, 1996, 77, 2272-2275. | 7.8 | 127 |
| 5 | The Nature and Perception of Fluctuations in Human Musical Rhythms. PLoS ONE, 2011, 6, e26457. | 2.5 | 63 |
| 6 | Quenched and Negative Hall Effect in Periodic Media: Application to Antidot Superlattices. Europhysics Letters, 1994, 25, 219-224. | 2.0 | 60 |
| 7 | Mesoscopic Rectifiers Based on Ballistic Transport. Physical Review Letters, 2002, 89, 016804. | 7.8 | 50 |
| 8 | Statistics of Extreme Waves in Random Media. Physical Review Letters, 2014, 112, . | 7.8 | 50 |
| 9 | Random focusing of tsunami waves. Nature Physics, 2016, 12, 259-262. | 16.7 | 50 |
| 10 | Optical structures with local PT -symmetry. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 265305. | 2.1 | 42 |
| 11 | Random Matrix Theory Approach to Chaotic Coherent Perfect Absorbers. Physical Review Letters, 2017, 118, 044101. | 7.8 | 41 |
| 12 | Universal Statistics of Branched Flows. Physical Review Letters, 2010, 105, 020601. | 7.8 | 38 |
| 13 | Cyclotron-resonance anomalies in an antidot array measured by microwave photoconductivity. Physical Review B, 1995, 52, R8658-R8661. | 3.2 | 36 |
| 14 | Experimental Observation of a Fundamental Length Scale of Waves in Random Media. Physical Review Letters, 2013, 111, 183902. | 7.8 | 36 |
| 15 | Avalanches of Bose-Einstein condensates in leaking optical lattices. New Journal of Physics, 2009, 11, 073045. | 2.9 | 30 |
| 16 | How branching can change the conductance of ballistic semiconductor devices. Physical Review B, 2012, 85, . | 3.2 | 23 |
| 17 | Nature of self-localization of Bose-Einstein condensates in optical lattices. Physical Review A, 2013, 87, . | 2.5 | 22 |
| 18 | Branched flow. Physics Today, 2021, 74, 44-51. | 0.3 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Nonlinear dynamics of composite fermions in nanostructures. <i>Europhysics Letters</i> , 1996, 36, 167-172. | 2.0 | 17 |
| 20 | Quantum diffusion, fractal spectra, and chaos in semiconductor microstructures. <i>Physica D: Nonlinear Phenomena</i> , 1995, 86, 171-181. | 2.8 | 16 |
| 21 | Intensity Fluctuations of Waves in Random Media: What Is the Semiclassical Limit?. <i>Physical Review Letters</i> , 2013, 111, 013901. | 7.8 | 16 |
| 22 | Musical rhythms: The science of being slightly off. <i>Physics Today</i> , 2012, 65, 64-65. | 0.3 | 14 |
| 23 | Channeling of Branched Flow in Weakly Scattering Anisotropic Media. <i>Physical Review Letters</i> , 2017, 118, 024301. | 7.8 | 14 |
| 24 | Dynamical phase diagram of Gaussian wave packets in optical lattices. <i>Physical Review E</i> , 2016, 93, 032219. | 2.1 | 12 |
| 25 | Scaling theory of heat transport in quasi-one-dimensional disordered harmonic chains. <i>Physical Review E</i> , 2013, 87, 020101. | 2.1 | 10 |
| 26 | Branched flow and caustics in nonlinear waves. <i>New Journal of Physics</i> , 2019, 21, 083020. | 2.9 | 10 |
| 27 | Geisel and Fleischmann Reply.. <i>Physical Review Letters</i> , 2003, 90, . | 7.8 | 7 |
| 28 | Heat transport in active harmonic chains. <i>Physical Review E</i> , 2011, 84, 021119. | 2.1 | 7 |
| 29 | Fractal conductance fluctuations of classical origin. <i>Physical Review E</i> , 2007, 76, 015202. | 2.1 | 6 |
| 30 | Robustness of ballistic transport in antidot superlattices. <i>New Journal of Physics</i> , 2019, 21, 043051. | 2.9 | 5 |
| 31 | Estimating Lyapunov exponents in billiards. <i>Chaos</i> , 2019, 29, 093115. | 2.5 | 5 |
| 32 | 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 |
| 33 | Evidence for quasi-classical transport of composite fermions in an inhomogeneous effective magnetic field. <i>Semiconductor Science and Technology</i> , 1996, 11, 1482-1487. | 2.0 | 2 |
| 34 | Low-temperature linear thermal rectifiers based on Coriolis forces. <i>Physical Review E</i> , 2016, 93, 042115. | 2.1 | 2 |
| 35 | Enhanced soft-wall effects for composite fermions in magnetic focusing and commensurability experiments. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1997, 1, 153-159. | 2.7 | 1 |
| 36 | Phase space analysis of quantum transport in electronic nanodevices. <i>Journal of Physics Communications</i> , 2020, 4, 075006. | 1.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 37 | Random Caustics and Intensity Fluctuations in Weakly Disordered Media. , 2012, , . | | 0 |