

Cord Mueller

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,682
citations

279487

23
h-index

288905

40
g-index

61
all docs

61
docs citations

61
times ranked

908
citing authors

#	ARTICLE	IF	CITATIONS
1	Full distribution of the superfluid fraction and extreme value statistics in a one-dimensional disordered Bose gas. <i>Physical Review A</i> , 2020, 101, .	1.0	2
2	Optimal acceptance sampling for modules F and F1 of the European Measuring Instruments Directive. <i>Journal of Applied Statistics</i> , 2019, 46, 2338-2356.	0.6	1
3	Weak localization of magnons in chiral magnets. <i>Physical Review B</i> , 2018, 97, .	1.1	4
4	Coherent backscattering and forward-scattering peaks in the quantum kicked rotor. <i>Physical Review A</i> , 2017, 95, .	1.0	9
5	Critical dynamics at the Anderson localization mobility edge. <i>Physical Review A</i> , 2016, 94, .	1.0	13
6	Speckle-intensity correlations of photons scattered by cold atoms. <i>Physical Review A</i> , 2015, 92, .	1.0	4
7	Anderson localization of Bogoliubov excitations on quasi-1D strips. <i>Annalen Der Physik</i> , 2015, 527, 531-535.	0.9	3
8	Echo spectroscopy of Anderson localization. <i>Physical Review B</i> , 2015, 91, .	1.1	12
9	Semiclassical spectral function for matter waves in random potentials. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 245102.	0.7	18
10	Josephson relation for disordered superfluids. <i>Physical Review A</i> , 2015, 91, .	1.0	13
11	Spin-wave localization in disordered magnets. <i>Physical Review B</i> , 2015, 92, .	1.1	15
12	Optimal Control of Effective Hamiltonians. <i>Physical Review Letters</i> , 2014, 113, 010501.	2.9	13
13	Comment on "Three-Dimensional Anderson Localization in Variable Scale Disorder". <i>Physical Review Letters</i> , 2014, 113, 099601.	2.9	12
14	Quantum and classical superballistic transport in a relativistic kicked-rotor system. <i>Physical Review E</i> , 2014, 90, 022921.	0.8	12
15	Strong Anderson Localization in Cold Atom Quantum Quenches. <i>Physical Review Letters</i> , 2014, 112, 110602.	2.9	19
16	A grand-canonical approach to the disordered Bose gas. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 775-784.	1.1	2
17	Bogoliubov theory on the disordered lattice. <i>European Physical Journal: Special Topics</i> , 2013, 217, 69-78.	1.2	12
18	Momentum isotropisation in random potentials. <i>European Physical Journal: Special Topics</i> , 2013, 217, 79-84.	1.2	12

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19	Strong spin-dependent negative differential resistance in composite graphene superlattices. <i>Physical Review B</i> , 2013, 88, .	1.1	25
20	Condensate deformation and quantum depletion of Bose-Einstein condensates in external potentials. <i>New Journal of Physics</i> , 2012, 14, 075025.	1.2	27
21	Coherent backscattering of ultracold matter waves: Momentum space signatures. <i>Physical Review A</i> , 2012, 85, .	1.0	35
22	Coherent Forward Scattering Peak Induced by Anderson Localization. <i>Physical Review Letters</i> , 2012, 109, 190601.	2.9	41
23	Localization behavior of Dirac particles in disordered graphene superlattices. <i>Physical Review B</i> , 2012, 85, .	1.1	24
24	Localization of solitons: linear response of the mean-field ground state to weak external potentials. <i>Applied Physics B: Lasers and Optics</i> , 2011, 102, 459-467.	1.1	9
25	Stability and decay of Bloch oscillations in the presence of time-dependent nonlinearity. <i>Physical Review A</i> , 2011, 84, .	1.0	17
26	Bogoliubov excitations of disordered Bose-Einstein condensates. <i>Physical Review A</i> , 2011, 83, .	1.0	56
27	Dynamics and stability of Bose-Einstein solitons in tilted optical lattices. <i>Physical Review A</i> , 2010, 81, .	1.0	10
28	Speed of sound in disordered Bose-Einstein condensates. <i>Physical Review A</i> , 2009, 80, .	1.0	15
29	Anderson Localization of Solitons. <i>Physical Review Letters</i> , 2009, 103, 210402.	2.9	45
30	Stable Bloch Oscillations of Cold Atoms with Time-Dependent Interaction. <i>Physical Review Letters</i> , 2009, 102, 255303.	2.9	39
31	Finite-temperature fidelity-metric approach to the Lipkin-Meshkov-Glick model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 465304.	0.7	13
32	Quantum diffusion of matter waves in 2D speckle potentials. <i>European Physical Journal B</i> , 2009, 68, 353-364.	0.6	15
33	One-dimensional Anderson localization in certain correlated random potentials. <i>Physical Review A</i> , 2009, 80, .	1.0	97
34	Diffusive Spin Transport. <i>Lecture Notes in Physics</i> , 2009, , 277-314.	0.3	4
35	Entanglement witnesses from single-particle interference. <i>Europhysics Letters</i> , 2008, 83, 60006.	0.7	3
36	Anisotropic scattering of Bogoliubov excitations. <i>Europhysics Letters</i> , 2008, 83, 10006.	0.7	10

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37	Comment on "Intensity Correlations and Mesoscopic Fluctuations of Diffusing Photons in Cold Atoms". Physical Review Letters, 2008, 100, 199301; discussion 199302.	2.9	3
38	Coherent Backscattering of Bose-Einstein Condensates in Two-Dimensional Disorder Potentials. Physical Review Letters, 2008, 101, 020603.	2.9	44
39	Path distinguishability in double scattering of light by atoms. Physical Review A, 2007, 76, .	1.0	8
40	Coherent matter wave transport in speckle potentials. New Journal of Physics, 2007, 9, 161-161.	1.2	112
41	Coherent backscattering of light from saturated atoms. European Physical Journal: Special Topics, 2007, 151, 51-57.	1.2	2
42	Thermal breakdown of coherent backscattering: A case study of quantum duality. Europhysics Letters, 2006, 74, 240-246.	0.7	12
43	Elastic versus inelastic coherent backscattering of laser light by cold atoms: A master-equation treatment. Physical Review A, 2006, 73, .	1.0	16
44	Mesoscopic scattering of spinsparticles. Journal of Physics A, 2005, 38, 7807-7830.	1.6	6
45	Multiple scattering of photons by atomic hyperfine multiplets. Physical Review A, 2005, 72, .	1.0	12
46	Localization of Matter Waves in Two-Dimensional Disordered Optical Potentials. Physical Review Letters, 2005, 95, 250403.	2.9	78
47	Coherent Inelastic Backscattering of Intense Laser Light by Cold Atoms. Physical Review Letters, 2005, 94, 043603.	2.9	42
48	Multiple scattering of light in a resonant medium. Optics Communications, 2004, 243, 157-164.	1.0	26
49	Light transport in cold atoms: the fate of coherent backscattering in the weak localization regime. Physica B: Condensed Matter, 2003, 328, 157-162.	1.3	8
50	Weak Localisation of Light by Atoms with Quantum Internal Structure. , 2003, , 45-58.		0
51	Slow Diffusion of Light in a Cold Atomic Cloud. Physical Review Letters, 2003, 91, 223904.	2.9	114
52	Coherent backscattering of light by an inhomogeneous cloud of cold atoms. Physical Review A, 2003, 67, .	1.0	42
53	Coherent backscattering of light by cold atoms: Theory meets experiment. Europhysics Letters, 2003, 61, 327-333.	0.7	40
54	Hanle Effect in Coherent Backscattering. Physical Review Letters, 2002, 89, 163901.	2.9	30

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55	Weak localization of light by cold atoms: The impact of quantum internal structure. Physical Review A, 2001, 64, .	1.0	48
56	Observation of coherent backscattering of light by cold atoms. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 672-685.	1.4	52
57	Multiple Scattering of Light by Atoms in the Weak Localization Regime. Physical Review Letters, 2000, 85, 4269-4272.	2.9	74
58	Coherent Backscattering of Light by Cold Atoms. Physical Review Letters, 1999, 83, 5266-5269.	2.9	212
59	Backscattering in fractal aggregates: theoretical and numerical studies. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 4467-4476.	0.6	4
60	Electronic Raman scattering in $\text{HgBa}_2\text{Ca}_2\text{Cu}_3\text{O}_8$ single crystals: Analysis of the superconducting state. Physical Review B, 1998, 58, 11721-11733.	1.1	34
61	Hypothesis-based Acceptance Sampling for Modules F and F1 of the European Measuring Instruments Directive. Statistics and Public Policy (Philadelphia, Pa), 0, , 1-9.	0.7	2