

Bernhard Rauer

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,209
citations

567281

15
h-index

713466

21
g-index

28
all docs

28
docs citations

28
times ranked

1511
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms for the emergence of Gaussian correlations. SciPost Physics, 2022, 12, .	4.9	3
2	Non-invasive chemically selective energy delivery and focusing inside a scattering medium guided by Raman scattering. Optics Letters, 2022, 47, 2145-2148.	3.3	2
3	Temporal light control in complex media through the singular-value decomposition of the time-gated transmission matrix. Physical Review A, 2022, 105, .	2.5	8
4	Decay and recurrence of non-Gaussian correlations in a quantum many-body system. Nature Physics, 2021, 17, 559-563.	16.7	26
5	Speckle Engineering through Singular Value Decomposition of the Transmission Matrix. Physical Review Letters, 2021, 127, 093903.	7.8	12
6	Quantum read-out for cold atomic quantum simulators. Communications Physics, 2020, 3, .	5.3	11
7	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. Physical Review Letters, 2019, 123, 113901.	7.8	39
8	Experimental Setup and Probing. Springer Theses, 2019, , 29-65.	0.1	0
9	Introduction and Theoretical Basics. Springer Theses, 2019, , 5-27.	0.1	0
10	Cooling Through Uniform Loss. Springer Theses, 2019, , 67-86.	0.1	0
11	Designing arbitrary one-dimensional potentials on an atom chip. Optics Express, 2019, 27, 33474.	3.4	43
12	Recurrences. Springer Theses, 2019, , 87-113.	0.1	0
13	Recurrences in an isolated quantum many-body system. Science, 2018, 360, 307-310.	12.6	76
14	Experimental characterization of a quantum many-body system via higher-order correlations. Nature, 2017, 545, 323-326.	27.8	161
15	Degenerate Bose gases with uniform loss. Physical Review A, 2016, 93, .	2.5	22
16	Cooling of a One-Dimensional Bose Gas. Physical Review Letters, 2016, 116, 030402.	7.8	48
17	Towards experimental quantum-field tomography with ultracold atoms. Nature Communications, 2015, 6, 7663.	12.8	20
18	Experimental observation of a generalized Gibbs ensemble. Science, 2015, 348, 207-211.	12.6	439

#	ARTICLE	IF	CITATIONS
19	Studying non-equilibrium many-body dynamics using one-dimensional Bose gases. , 2014, , .		5
20	Chiral Prethermalization in Supersonically Split Condensates. Physical Review Letters, 2014, 113, 190401.	7.8	17
21	Prethermalization in one-dimensional Bose gases: Description by a stochastic Ornstein-Uhlenbeck process. European Physical Journal: Special Topics, 2013, 217, 43-53.	2.6	37
22	Local emergence of thermal correlations in an isolated quantum many-body system. Nature Physics, 2013, 9, 640-643.	16.7	335
23	Multimode Dynamics and Emergence of a Characteristic Length Scale in a One-Dimensional Quantum System. Physical Review Letters, 2013, 110, 090405.	7.8	51
24	Prethermalization revealed by the relaxation dynamics of full distribution functions. New Journal of Physics, 2013, 15, 075011.	2.9	69
25	Relaxation and Prethermalization in an Isolated Quantum System. Science, 2012, 337, 1318-1322.	12.6	783