

Kazuya Fujimoto

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

430
citations

759233

12
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

280
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Studies of Quantum Turbulence. <i>Journal of Low Temperature Physics</i> , 2017, 188, 119-189.	1.4	64
2	Magnetic Solitons in a Spin-1 Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2020, 125, 030402.	7.8	49
3	Synthetic dissipation and cascade fluxes in a turbulent quantum gas. <i>Science</i> , 2019, 366, 382-385.	12.6	47
4	Counterflow instability and turbulence in a spin-1 spinor Bose-Einstein condensate. <i>Physical Review A</i> , 2012, 85, .	2.5	39
5	Nonlinear dynamics in a trapped atomic Bose-Einstein condensate induced by an oscillating Gaussian potential. <i>Physical Review A</i> , 2011, 83, .	2.5	36
6	Bogoliubov-wave turbulence in Bose-Einstein condensates. <i>Physical Review A</i> , 2015, 91, .	2.5	24
7	Spin turbulence in a trapped spin-1 spinor Bose-Einstein condensate. <i>Physical Review A</i> , 2012, 85, .	2.5	23
8	Flemish Strings of Magnetic Solitons and a Nonthermal Fixed Point in a One-Dimensional Antiferromagnetic Spin-1 Bose Gas. <i>Physical Review Letters</i> , 2019, 122, 173001.	7.8	20
9	Magnetic soliton: From two to three components with $SO(3)$ symmetry. <i>Physical Review Research</i> , 2021, 3, .	3.6	20
10	Synergy dynamics of vortices and solitons in an atomic Bose-Einstein condensate excited by an oscillating potential. <i>Physical Review A</i> , 2010, 82, .	2.5	17
11	Unconventional Universality Class of One-Dimensional Isolated Coarsening Dynamics in a Spinor Bose Gas. <i>Physical Review Letters</i> , 2018, 120, 073002.	7.8	16
12	Family-Vicsek Scaling of Roughness Growth in a Strongly Interacting Bose Gas. <i>Physical Review Letters</i> , 2020, 124, 210604.	7.8	15
13	Spin turbulence with small spin magnitude in spin-1 spinor Bose-Einstein condensates. <i>Physical Review A</i> , 2013, 88, .	2.5	12
14	Direct and inverse cascades of spin-wave turbulence in spin-1 ferromagnetic spinor Bose-Einstein condensates. <i>Physical Review A</i> , 2016, 93, .	2.5	10
15	Spin-glass-like behavior in the spin turbulence of spinor Bose-Einstein condensates. <i>Physical Review A</i> , 2013, 88, .	2.5	9
16	Spin-superflow turbulence in spin-1 ferromagnetic spinor Bose-Einstein condensates. <i>Physical Review A</i> , 2014, 90, .	2.5	6
17	Logarithmic velocity profile of quantum turbulence of superfluid ${}^4\text{He}$. <i>Physical Review B</i> , 2015, 92, .	3.2	6
18	Floquet spinor Bose gases. <i>Physical Review Research</i> , 2019, 1, .	3.6	6

#	ARTICLE	IF	CITATIONS
19	Dynamical Scaling of Surface Roughness and Entanglement Entropy in Disordered Fermion Models. Physical Review Letters, 2021, 127, 090601.	7.8	4
20	Spin turbulence in spinor Bose-Einstein condensates. Journal of Physics: Conference Series, 2014, 497, 012002.	0.4	3
21	Spin-wave growth via Shapiro resonances in a spinor Bose-Einstein condensate. Physical Review Research, 2021, 3, .	3.6	2
22	Calculation of Spin Glass Order Parameter in Spin Turbulence of Spin-1 Spinor Bose-Einstein Condensate. Journal of Low Temperature Physics, 2014, 175, 216-221.	1.4	1
23	Scale-invariant relaxation dynamics in two-component Bose-Einstein condensates with large particle-number imbalance. Physical Review A, 2020, 101, .	2.5	1
24	Spin Turbulence and the $\omega^{7/3}$ Power Law in a Trapped Spin-1 Spinor Bose-Einstein Condensate. Journal of Low Temperature Physics, 2013, 171, 422-428.	1.4	0
25	Universal Relaxation in Quantum Systems. Advances in Dynamics, Patterns, Cognition, 2020, , 111-130.	0.3	0