

Piotr Magierski

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,618
citations

394421

19
h-index

276875

41
g-index

48
all docs

48
docs citations

48
times ranked

828
citing authors

#	ARTICLE	IF	CITATIONS
19	Nuclear tetrahedral configurations at spin zero. <i>Physical Review C</i> , 2009, 79, .	2.9	20
20	Shell Correction Energy for Bubble Nuclei. <i>Physical Review Letters</i> , 2000, 84, 412-415.	7.8	19
21	Spin-polarized droplets in the unitary Fermi gas. <i>Physical Review A</i> , 2019, 100, .	2.5	18
22	Quantum Monte Carlo study of dilute neutron matter at finite temperatures. <i>Physical Review C</i> , 2011, 83, .	2.9	13
23	IN-MEDIUM ION MASS RENORMALIZATION AND LATTICE VIBRATIONS IN THE NEUTRON STAR CRUST. <i>International Journal of Modern Physics E</i> , 2004, 13, 371-374.	1.0	12
24	Rotating quantum turbulence in the unitary Fermi gas. <i>Physical Review A</i> , 2022, 105, .	2.5	12
25	SPIN 1/2 FERMIONS IN THE UNITARY REGIME AT FINITE TEMPERATURE. <i>International Journal of Modern Physics B</i> , 2006, 20, 5165-5168.	2.0	8
26	Selfconsistent effective interactions and symmetry restoration. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 486, 54-60.	4.1	7
27	LINPRO: Linear inverse problem library for data contaminated by statistical noise. <i>Computer Physics Communications</i> , 2012, 183, 2264-2271.	7.5	7
28	Properties of a quantum vortex in neutron matter at finite temperatures. <i>Physical Review C</i> , 2021, 104, .	2.9	7
29	NEUTRON STARS AND THE FERMIONIC CASIMIR EFFECT. <i>International Journal of Modern Physics A</i> , 2002, 17, 1059-1064.	1.5	6
30	Solitonic excitations in collisions of superfluid nuclei a qualitatively new phenomenon distinct from the Josephson effect. <i>EPJ Web of Conferences</i> , 2017, 163, 00051.	0.3	6
31	Dynamics of spin-polarized impurity in ultracold Fermi gas. <i>Physical Review A</i> , 2021, 104, .	2.5	6
32	Nuclear Reactions and Superfluid Time Dependent Density Functional Theory. <i>Frontiers in Nuclear and Particle Physics</i> , 2019, , 57-71.	0.0	6
33	QUANTUM MONTE CARLO METHOD APPLIED TO STRONGLY CORRELATED DILUTE FERMI GASES WITH FINITE EFFECTIVE RANGE. <i>International Journal of Modern Physics E</i> , 2009, 18, 919-925.	1.0	5
34	Pairing dynamics and solitonic excitations in collisions of medium-mass, identical nuclei. <i>Physical Review C</i> , 2022, 105, .	2.9	5
35	Neutron localization induced by the pairing field in inhomogeneous neutron matter. <i>Physical Review C</i> , 2007, 75, .	2.9	4
36	SUPERFLUID PROPERTIES OF DILUTE NEUTRON MATTER. <i>International Journal of Modern Physics E</i> , 2011, 20, 569-575.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Local energy density functional for superfluid Fermi gases from effective field theory. Physical Review A, 2022, 106, .	2.5	3
38	Unexpected Goings-On in the Structure of a Neutron Star Crust. AIP Conference Proceedings, 2004, , .	0.4	2
39	Nuclear Fission: from more phenomenology and adjusted parameters to more fundamental theory and increased predictive power. EPJ Web of Conferences, 2017, 163, 00007.	0.3	2
40	EFFECTIVE RANGE EXPANSION FOR THE INTERACTION DEFINED ON THE LATTICE. International Journal of Modern Physics E, 2010, 19, 781-786.	1.0	1
41	SPIN 1/2 FERMIONS IN THE UNITARY REGIME AT FINITE TEMPERATURE. , 2006, , .		0
42	Neutron Stars and Quantum Billiards. , 2001, , .		0
43	BUBBLE NUCLEI, NEUTRON STARS AND QUANTUM BILLIARDS. , 2001, , .		0
44	UNEXPECTED GOINGS-ON IN THE STRUCTURE OF A NEUTRON STAR CRUST. , 2004, , .		0
45	DYNAMICS OF SUPERFLUID QUANTUM ATOMIC GASES AND ATOMIC NUCLEI WITHIN THE FRAMEWORK OF DENSITY FUNCTIONAL THEORY. , 2013, , .		0
46	Microscopic Calculations of Vortex-Nucleus Interaction in the Neutron Star Crust. , 2017, , .		0
47	Induced Fission of ^{240}Pu . , 2017, , .		0