Alexandros Gezerlis

List of Publications by Year
in descending order

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42 papers	1,682 citations	471509 17 h-index	345221 36 g-index
43 all docs	43 docs citations	43 times ranked	812 citing authors

#	Article	IF	Citations
1	Quantum MonteÂCarlo Calculations with Chiral Effective Field Theory Interactions. Physical Review Letters, 2013, 111, 032501.	7.8	257
2	Local chiral effective field theory interactions and quantum Monte Carlo applications. Physical Review C, 2014, 90, .	2.9	186
3	Low-density neutron matter. Physical Review C, 2010, 81, .	2.9	178
4	Strongly paired fermions: Cold atoms and neutron matter. Physical Review C, 2008, 77, .	2.9	176
5	Quantum Monte Carlo calculations of neutron matter with chiral three-body forces. Physical Review C, 2016, 93, .	2.9	136
6	Neutron Matter from Low to High Density. Annual Review of Nuclear and Particle Science, 2015, 65, 303-328.	10.2	131
7	Resonantly Interacting Fermions in a Box. Physical Review Letters, 2011, 106, 235303.	7.8	81
8	Mixed-Spin Pairing Condensates in Heavy Nuclei. Physical Review Letters, 2011, 106, 252502.	7.8	68
9	Quantum Monte Carlo approaches to nuclear and atomic physics. Progress of Theoretical and Experimental Physics, 2012, 2012, .	6.6	61
10	Heavy-Light Fermion Mixtures at Unitarity. Physical Review Letters, 2009, 103, 060403.	7.8	53
11	Effective-range dependence of resonantly interacting fermions. Physical Review A, 2012, 86, .	2.5	53
12	Quantum Monte Carlo Calculations of Light Nuclei Using Chiral Potentials. Physical Review Letters, 2014, 113, 192501.	7.8	52
13	Diffusion Monte Carlo study of strongly interacting two-dimensional Fermi gases. Physical Review A, 2016, 93, .	2.5	36
14	Static Response of Neutron Matter. Physical Review Letters, 2016, 116, 152501.	7.8	34
15	Ab initio and phenomenological studies of the static response of neutron matter. Physical Review C, 2017, 95, .	2.9	23
16	Neutron polaron as a constraint on nuclear density functionals. Physical Review C, 2014, 89, .	2.9	19
17	Nonperturbative Extraction of the Effective Mass in Neutron Matter. Physical Review Letters, 2019, 122, 152701.	7.8	17
18	Effective 3-Body Interaction for Mean-Field and Density-Functional Theory. Physical Review Letters, 2010, 105, 212501.	7.8	15

#	Article	IF	Citations
19	Phase separation in low-density neutron matter. Physical Review C, 2012, 85, .	2.9	11
20	Probing mixed-spin pairing in heavy nuclei. Physical Review C, 2016, 93, .	2.9	10
21	The 1S0 Pairing Gap in Neutron Matter. Condensed Matter, 2022, 7, 19.	1.8	9
22	Spin-polarized low-density neutron matter. Physical Review C, 2011, 83, .	2.9	8
23	Fermions in Two Dimensions: Scattering and Many-Body Properties. Journal of Low Temperature Physics, 2017, 189, 451-469.	1.4	8
24	Clustering of Four-Component Unitary Fermions. Physical Review Letters, 2020, 124, 143402.	7.8	8
25	Symmetry restoration in mixed-spin paired heavy nuclei. Physical Review C, 2019, 99, .	2.9	7
26	Machine-learning approach to finite-size effects in systems with strongly interacting fermions. Physical Review C, 2021, 104, .	2.9	7
27	Pairing in two-dimensional Fermi gases with a coordinate-space potential. Physical Review A, 2020, 101, .	2.5	6
28	Six textbook mistakes in computational physics. American Journal of Physics, 2021, 89, 51-60.	0.7	6
29	Satisfying the compressibility sum rule in neutron matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136347.	4.1	6
30	Neutron matter at the interface(s). European Physical Journal A, 2020, 56, 1.	2.5	4
31	From odd-even staggering to the pairing gap in neutron matter. Physical Review C, 2020, 102, .	2.9	4
32	Energy spectrum and effective mass using a nonlocal 3-body interaction. Physical Review C, 2012, 85, .	2.9	3
33	Path-integral Monte Carlo study of particles obeying quantum mechanics and classical statistics. Physical Review A, 2017, 96, .	2.5	3
34	Superfluid Neutron Matter with a Twist. Universe, 2021, 7, 24.	2.5	3
35	Equation of State and Pairing Gaps in Cold Atoms and Low-Density Neutron Matter. AIP Conference Proceedings, 2008, , .	0.4	1
36	Superfluid Pairing in Neutrons and Cold Atoms. , 2013, , 348-359.		1

#	Article	IF	Citations
37	Skyrme-based extrapolation for the static response of neutron matter. Physical Review C, 2022, 105, .	2.9	1
38	Polarized pairing in neutron star crusts. , 2012, , .		0
39	Polarization in low-density neutrons. Journal of Physics: Conference Series, 2013, 426, 012011.	0.4	0
40	Chiral 2N and 3N interactions and quantum Monte Carlo applications. EPJ Web of Conferences, 2016, 113, 06019.	0.3	0
41	Strongly Coupled Fermions in Nature and the Laboratory. , 2012, , .		0
42	Polarization in low-density neutron matter. , 2013, , .		0