

# Alexandros Gezerlis

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The 1S0 Pairing Gap in Neutron Matter. <i>Condensed Matter</i> , 2022, 7, 19.	1.8	9
2	Skyrme-based extrapolation for the static response of neutron matter. <i>Physical Review C</i> , 2022, 105, .	2.9	1
3	Six textbook mistakes in computational physics. <i>American Journal of Physics</i> , 2021, 89, 51-60.	0.7	6
4	Superfluid Neutron Matter with a Twist. <i>Universe</i> , 2021, 7, 24.	2.5	3
5	Satisfying the compressibility sum rule in neutron matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 818, 136347.	4.1	6
6	Machine-learning approach to finite-size effects in systems with strongly interacting fermions. <i>Physical Review C</i> , 2021, 104, .	2.9	7
7	Pairing in two-dimensional Fermi gases with a coordinate-space potential. <i>Physical Review A</i> , 2020, 101, .	2.5	6
8	Clustering of Four-Component Unitary Fermions. <i>Physical Review Letters</i> , 2020, 124, 143402.	7.8	8
9	Neutron matter at the interface(s). <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	4
10	From odd-even staggering to the pairing gap in neutron matter. <i>Physical Review C</i> , 2020, 102, .	2.9	4
11	Symmetry restoration in mixed-spin paired heavy nuclei. <i>Physical Review C</i> , 2019, 99, .	2.9	7
12	Nonperturbative Extraction of the Effective Mass in Neutron Matter. <i>Physical Review Letters</i> , 2019, 122, 152701.	7.8	17
13	Fermions in Two Dimensions: Scattering and Many-Body Properties. <i>Journal of Low Temperature Physics</i> , 2017, 189, 451-469.	1.4	8
14	Path-integral Monte Carlo study of particles obeying quantum mechanics and classical statistics. <i>Physical Review A</i> , 2017, 96, .	2.5	3
15	<i>Ab initio</i> and phenomenological studies of the static response of neutron matter. <i>Physical Review C</i> , 2017, 95, .	2.9	23
16	Chiral 2N and 3N interactions and quantum Monte Carlo applications. <i>EPJ Web of Conferences</i> , 2016, 113, 06019.	0.3	0
17	Diffusion Monte Carlo study of strongly interacting two-dimensional Fermi gases. <i>Physical Review A</i> , 2016, 93, .	2.5	36
18	Probing mixed-spin pairing in heavy nuclei. <i>Physical Review C</i> , 2016, 93, .	2.9	10

#	ARTICLE	IF	CITATIONS
19	Static Response of Neutron Matter. <i>Physical Review Letters</i> , 2016, 116, 152501.	7.8	34
20	Quantum Monte Carlo calculations of neutron matter with chiral three-body forces. <i>Physical Review C</i> , 2016, 93, .	2.9	136
21	Neutron Matter from Low to High Density. <i>Annual Review of Nuclear and Particle Science</i> , 2015, 65, 303-328.	10.2	131
22	Local chiral effective field theory interactions and quantum Monte Carlo applications. <i>Physical Review C</i> , 2014, 90, .	2.9	186
23	Quantum Monte Carlo Calculations of Light Nuclei Using Chiral Potentials. <i>Physical Review Letters</i> , 2014, 113, 192501.	7.8	52
24	Neutron polaron as a constraint on nuclear density functionals. <i>Physical Review C</i> , 2014, 89, .	2.9	19
25	Quantum Monte Carlo Calculations with Chiral Effective Field Theory Interactions. <i>Physical Review Letters</i> , 2013, 111, 032501.	7.8	257
26	Superfluid Pairing in Neutrons and Cold Atoms. , 2013, , 348-359.		1
27	Polarization in low-density neutrons. <i>Journal of Physics: Conference Series</i> , 2013, 426, 012011.	0.4	0
28	Polarization in low-density neutron matter. , 2013, , .		0
29	Quantum Monte Carlo approaches to nuclear and atomic physics. <i>Progress of Theoretical and Experimental Physics</i> , 2012, 2012, .	6.6	61
30	Polarized pairing in neutron star crusts. , 2012, , .		0
31	Phase separation in low-density neutron matter. <i>Physical Review C</i> , 2012, 85, .	2.9	11
32	Energy spectrum and effective mass using a nonlocal 3-body interaction. <i>Physical Review C</i> , 2012, 85, .	2.9	3
33	Effective-range dependence of resonantly interacting fermions. <i>Physical Review A</i> , 2012, 86, .	2.5	53
34	Strongly Coupled Fermions in Nature and the Laboratory. , 2012, , .		0
35	Resonantly Interacting Fermions in a Box. <i>Physical Review Letters</i> , 2011, 106, 235303.	7.8	81
36	Spin-polarized low-density neutron matter. <i>Physical Review C</i> , 2011, 83, .	2.9	8

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37	Mixed-Spin Pairing Condensates in Heavy Nuclei. Physical Review Letters, 2011, 106, 252502.	7.8	68
38	Effective 3-Body Interaction for Mean-Field and Density-Functional Theory. Physical Review Letters, 2010, 105, 212501.	7.8	15
39	Low-density neutron matter. Physical Review C, 2010, 81, .	2.9	178
40	Heavy-Light Fermion Mixtures at Unitarity. Physical Review Letters, 2009, 103, 060403.	7.8	53
41	Equation of State and Pairing Gaps in Cold Atoms and Low-Density Neutron Matter. AIP Conference Proceedings, 2008, , .	0.4	1
42	Strongly paired fermions: Cold atoms and neutron matter. Physical Review C, 2008, 77, .	2.9	176