

Gustav R Jansen

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

3,246
citations

218677

26
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

1538
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate nuclear radii and binding energies from a chiral interaction. Physical Review C, 2015, 91, .	2.9	354
2	Neutron and weak-charge distributions of the ^{48}Ca nucleus. Nature Physics, 2016, 12, 186-190.	16.7	268
3	Optimized Chiral Nucleon-Nucleon Interaction at Next-to-Next-to-Leading Order. Physical Review Letters, 2013, 110, 192502.	7.8	267
4	Unexpectedly large charge radii of neutron-rich calcium isotopes. Nature Physics, 2016, 12, 594-598.	16.7	257
5	Evolution of Shell Structure in Neutron-Rich Calcium Isotopes. Physical Review Letters, 2012, 109, 032502.	7.8	231
6	Discrepancy between experimental and theoretical β^2 -decay rates resolved from first principles. Nature Physics, 2019, 15, 428-431.	16.7	195
7	Continuum Effects and Three-Nucleon Forces in Neutron-Rich Oxygen Isotopes. Physical Review Letters, 2012, 108, 242501.	7.8	193
8	Structure of the Lightest Tin Isotopes. Physical Review Letters, 2018, 120, 152503.	7.8	157
9	<i>Ab Initio</i> Coupled-Cluster Effective Interactions for the Shell Model: Application to Neutron-Rich Oxygen and Carbon Isotopes. Physical Review Letters, 2014, 113, 142502.	7.8	145
10	Structure of ^{68}Ni from First-Principles Computations. Physical Review Letters, 2016, 117, 172501.	7.8	108
11	Uncertainty Analysis and Order-by-Order Optimization of Chiral Nuclear Interactions. Physical Review X, 2016, 6, .	8.9	107
12	Charge radii of exotic potassium isotopes challenge nuclear theory and the magic character of $N=32$. Nature Physics, 2021, 17, 439-443.	16.7	79
13	Proton Distribution Radii of ^{12}C and ^{19}F . Physical Review Letters, 2016, 117, 102501.	7.8	74
14	Accurate bulk properties of nuclei from ^2A to ^2Z isobars. Physical Review C, 2020, 102, .	2.9	65
15	<i>Ab initio</i> Bogoliubov coupled cluster theory for open-shell nuclei. Physical Review C, 2015, 91, .	2.9	60
16	Emergent properties of nuclei from <i>ab initio</i> coupled-cluster calculations. Physica Scripta, 2016, 91, 063006.	2.5	59
17	Open shell nuclei from first principles. Physical Review C, 2016, 94, .	2.9	56
18	Toward open-shell nuclei with coupled-cluster theory. Physical Review C, 2011, 83, .	2.9	53

#	ARTICLE	IF	CITATIONS
19	Charge radii of exotic neon and magnesium isotopes. Physical Review C, 2020, 102, .	2.9	52
20	Effects of Three-Nucleon Forces and Two-Body Currents on Gamow-Teller Strengths. Physical Review Letters, 2014, 113, 262504.	7.8	51
21	Pion-less effective field theory for atomic nuclei and lattice nuclei. Physical Review C, 2018, 98, .	2.9	47
22	Microscopic optical potentials for calcium isotopes. Physical Review C, 2018, 98, . How Robust is the N Subshell Closure? First Spectroscopy of ^{34}Ar	2.9	41
23	Electric dipole polarizability from first principles calculations. Physical Review C, 2016, 94, . Coupled-Cluster Calculations of Neutrinoless Double- β Decay in ^{48}Ca	7.8	41
24	Electric dipole polarizability from first principles calculations. Physical Review C, 2016, 94, . Coupled-Cluster Calculations of Neutrinoless Double- β Decay in ^{48}Ca	2.9	35
25	Spherical coupled-cluster theory for open-shell nuclei. Physical Review C, 2013, 88, . Nuclear Charge Radii of the Nickel Isotopes	7.8	32
26	Spherical coupled-cluster theory for open-shell nuclei. Physical Review C, 2013, 88, . Nuclear Charge Radii of the Nickel Isotopes	2.9	28
27	Spectroscopy of ^{26}F to Probe Proton-Neutron Forces Close to the Drip Line. Physical Review Letters, 2013, 110, 082502.	7.8	24
28	Evidence for prevalent $Z = 6$ magic number in neutron-rich carbon isotopes. Nature Communications, 2018, 9, 1594.	12.8	24
29	Shell-model coupled-cluster method for open-shell nuclei. Physical Review C, 2018, 98, .	2.9	21
30	Mass measurements of ^{99}In challenge ab initio nuclear theory of the nuclide ^{100}Sn . Nature Physics, 2021, 17, 1099-1103.	16.7	21
31	Angular-momentum projection in coupled-cluster theory: Structure of ^{34}Mg	2.9	21
32	Excited states in the neutron-rich nucleus ^{25}F . Physical Review C, 2014, 89, .	2.9	14
33	Observation of excited states in ^{20}Mg sheds light on nuclear forces and shell evolution. Physical Review C, 2019, 99, .	2.9	12
34	Effective shell-model interaction for nuclei ^{100}Sn	2.9	7
35	Chiral NNLO^{sat} descriptions of nuclear multipole resonances within the random-phase approximation. Physical Review C, 2018, 97, .	2.9	4

#	ARTICLE	IF	CITATIONS
37	Normal-ordering approximations and translational (non)invariance. Physical Review C, 2021, 104, .	2.9	4
38	Computational Nuclear Physics and Post Hartree-Fock Methods. Lecture Notes in Physics, 2017, , 293-399.	0.7	2
39	Job Management with mpi_jm. Lecture Notes in Computer Science, 2018, , 432-439.	1.3	2