

Nathalie Pillet

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

950
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

765
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of even-even nuclei using a mapped collective Hamiltonian and the D1S Gogny interaction. Physical Review C, 2010, 81, .	2.9	381
2	Future of nuclear fission theory. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 113002.	3.6	105
3	Pairing correlations in an explicitly particle-number conserving approach. Nuclear Physics A, 2002, 697, 141-163.	1.5	78
4	Generic strong coupling behavior of Cooper pairs on the surface of superfluid nuclei. Physical Review C, 2007, 76, .	2.9	77
5	Collective structure of the ^{208}Pb isotone. Physical Review C, 2009, 80, .	2.9	41
6	Entanglement rearrangement in self-consistent nuclear structure calculations. Physical Review C, 2021, 103, .	2.9	41
7	Variational multiparticle-multihole configuration mixing method applied to pairing correlations in nuclei. Physical Review C, 2008, 78, .	2.9	38
8	Gogny force with a finite-range density dependence. Physical Review C, 2015, 91, .	2.9	34
9	Two-particle spatial correlations in superfluid nuclei. Physical Review C, 2010, 81, .	2.9	25
10	Progress in microscopic direct reaction modeling of nucleon induced reactions. European Physical Journal A, 2015, 51, 1.	2.5	25
11	Low-lying spectroscopy of a few even-even silicon isotopes investigated with the multiparticle-multihole Gogny energy density functional. Physical Review C, 2012, 85, .	2.9	24
12	Description of nuclear systems with a self-consistent configuration-mixing approach: Theory, algorithm, and application to the ^{12}C nucleus. Physical Review C, 2016, 93, .	2.9	15
13	First characterization of ^{208}Pb nuclei with a multiconfiguration approach. Physical Review C, 2014, 89, .	2.9	12
14	Towards an extended Gogny force. European Physical Journal A, 2017, 53, 1.	2.5	11
15	Description of nuclear systems with a self-consistent configuration-mixing approach. II. Application to structure and reactions in even-even ^{10}Be α -shell nuclei. Physical Review C, 2017, 95, .	2.9	10
16	Description of the asymmetric to symmetric fission transition in the neutron-deficient thorium isotopes: Role of the tensor force. Physical Review C, 2020, 101, .	2.9	9
17	Cooper pair sizes in superfluid nuclei in a simplified model. Physical Review C, 2010, 82, .	2.9	6
18	The self-consistent multiparticle-multihole configuration mixing. European Physical Journal A, 2017, 53, 1.	2.5	5