Philippe Quentin

List of Publications by Year
in descending order

29 papers	3,140 citations	516710 16 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	968 citing authors

#	Article	IF	Citations
1	K-isomeric states in well-deformed heavy even-even nuclei. Physical Review C, 2022, 105, .	2.9	5
2	Preliminary study of ground state properties of odd-mass nuclei using the SLy5* within the Skyrme mean-field approach. AIP Conference Proceedings, 2021, , .	0.4	0
3	Single-Particle Spectra, Pairing Correlations and Spectroscopic Properties of Actinide and Heavier Nuclei. , 2021, 48, 634-644.		1
4	Collective coupling between pairing and rotational degrees of freedom within a simple model. Physical Review C, 2020, 102, .	2.9	1
5	Consistency of two different approaches to determine the strength of a pairing residual interaction in the rare-earth region. Physical Review C, 2019, 99, .	2.9	6
6	Determination of a pairing residual interaction from Bohr quadrupole collective dynamics. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 115102.	3.6	1
7	Fission barriers of two odd-neutron actinide nuclei taking into account the time-reversal symmetry breaking at the mean-field level. Physical Review C, 2017, 95, .	2.9	9
8	Triaxial quadrupole dynamics and the inner fission barrier of some heavy even-even nuclei. Physical Review C, 2017, 96, .	2.9	6
9	Band-head spectra of low-energy single-particle excitations in some well-deformed, odd-mass heavy nuclei within a microscopic approach. European Physical Journal A, 2016, 52, 1.	2.5	7
10	Effect of core polarization on magnetic dipole moments in deformed odd-mass nuclei. Physical Review C, 2015, 91, .	2.9	18
11	COLLECTIVE PROPERTIES OF STABLE EVEN–EVEN Cd ISOTOPES. International Journal of Modern Physics E, 2012, 21, 1250036.	1.0	12
12	Effect of pairing correlations on the isospin-mixing parameter in deformed N=Z even-even nuclei. Physical Review C, 2012, 86, .	2.9	9
13	Exact Coulomb exchange calculations in the Skyrme-Hartree-Fock-BCS framework and tests of the Slater approximation. Physical Review C, 2011, 84, .	2.9	27
14	Scission configurations and their implication in fission-fragment angular momenta. Physical Review C, 2007, 75, .	2.9	40
15	Global microscopic calculations of ground-state spins and parities for odd-mass nuclei. Physical Review C, 2007, 76, .	2.9	49
16	A self-consistent approach to the quadrupole dynamics of medium heavy nuclei. Nuclear Physics A, 2004, 730, 59-79.	1.5	69
17	Simple model for the quenching of the moments of inertia due to pairing correlations in rigidly deformed rotational bands. Physical Review C, 2004, 69, .	2.9	8
18	Equivalence of pairing correlations and intrinsic vortical currents in rotating nuclei. Physical Review C, 2003, 67, .	2.9	12

#	ARTICLE	IF	CITATIONS
19	Pairing correlations in an explicitly particle-number conserving approach. Nuclear Physics A, 2002, 697, 141-163.	1.5	78
20	Mass parameters for large amplitude collective motion: A perturbative microscopic approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 461, 1-8.	4.1	50
21	Generalized routhian calculations within the Skyrme-Hartree-Fock approximation. Nuclear Physics A, 1999, 652, 34-60.	1.5	17
22	Nuclear intrinsic vorticity and its coupling to global rotations. Nuclear Physics A, 1997, 627, 259-304.	1.5	20
23	Rotations in nuclei â€" a semiclassical description. Nuclear Physics A, 1994, 571, 518-540.	1.5	37
24	Self-consistent description of heavy nuclei. II. Spectroscopic properties of some odd nuclei. Physical Review C, 1982, 25, 586-613.	2.9	32
25	Towards a better parametrisation of Skyrme-like effective forces: A critical study of the SkM force. Nuclear Physics A, 1982, 386, 79-100.	1.5	1,040
26	A general solution of the Bohr collective Hamiltonian. Zeitschrift Fã¼r Physik A, 1982, 306, 315-322.	1.4	19
27	Nuclear ground-state properties and self-consistent calculations with the skyrme interaction. Nuclear Physics A, 1975, 238, 29-69.	1.5	1,219
28	Nuclear deformation energy curves with the constrained Hartree-Fock method. Nuclear Physics A, 1973, 203, 433-472.	1.5	259
29	Self-consistent calculation of the ground state properties of some rare-earth nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1973, 46, 304-308.	4.1	89