

# Xavier Viñas

## List of Publications by Year in descending order

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192  
papers

4,536  
citations

126858

33  
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118793

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194  
docs citations

194  
times ranked

1499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of direct Urca on the r-mode spin down features of newborn neutron star pulsars. <i>Physica Scripta</i> , 2021, 96, 045301.	1.2	4
2	Woods-Saxon type of mean-field potentials with effective mass derived from the D1S Gogny force. <i>Physical Review C</i> , 2021, 103, .	1.1	5
3	Microscopic-macroscopic approach for ground-state energies based on the Gogny force with the Wigner-Kirkwood averaging scheme. <i>Physical Review C</i> , 2021, 103, .	1.1	4
4	Analysis of critical parameters for nonrelativistic models of symmetric nuclear matter. <i>Physical Review C</i> , 2021, 103, .	1.1	0
5	Roton instabilities in the superfluid outer core of neutron stars. <i>Physical Review C</i> , 2021, 103, .	1.1	0
6	Finite-size instabilities in finite-range forces. <i>Physical Review C</i> , 2021, 103, .	1.1	5
7	Reexamination of the $N$ and $Z$ shell closure. <i>Physical Review C</i> , 2021, 104, .	1.1	5
8	Unified Equation of State for Neutron Stars Based on the Gogny Interaction. <i>Symmetry</i> , 2021, 13, 1613.	1.1	13
9	Momentum and Density Dependence of the Nuclear Mean Field Using Finite Range Simple Effective Interaction: A Tool for Heavy-Ion Collision Dynamics. <i>Springer Proceedings in Physics</i> , 2021, , 233-262.	0.1	0
10	Nucleon-nucleus optical potential computed with the Gogny interaction. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 035104.	1.4	4
11	Structure and composition of the inner crust of neutron stars from Gogny interactions. <i>Physical Review C</i> , 2020, 102, .	1.1	17
12	GW170817 constraints analyzed with Gogny forces and momentum-dependent interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135306.	1.5	14
13	Core-crust transition in neutron stars with finite-range interactions: The dynamical method. <i>Physical Review C</i> , 2019, 100, .	1.1	22
14	Transverse Josephson vortices and localized states in stacked Bose-Einstein condensates. <i>New Journal of Physics</i> , 2019, 21, 043036.	1.2	7
15	The Modified D1M Interactions: New Gogny Forces Adapted for Neutron Star Calculations. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2019, 12, 705.	0.0	4
16	Gogny Force Useful for Neutron Star Calculations. <i>Springer Proceedings in Physics</i> , 2019, , 199-201.	0.1	0
17	Influence of the nuclear matter equation of state on the $r$ -mode instability using the finite-range simple effective interaction. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 055202.	1.4	7
18	New Gogny interaction suitable for astrophysical applications. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 195-200.	1.5	43

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19	Interdependence of different symmetry energy elements. <i>Physical Review C</i> , 2017, 96, .	1.1	55
20	Barcelona-Catania-Paris-Madrid functional with a realistic effective mass. <i>Physical Review C</i> , 2017, 95, .	1.1	17
21	Higher-order symmetry energy and neutron star core-crust transition with Gogny forces. <i>Physical Review C</i> , 2017, 96, .	1.1	53
22	Pasta-phase Transitions in the Inner Crust of Neutron Stars. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2017, 10, 259.	0.0	11
23	Properties of nuclear matter and finite nuclei with finite range simple effective interaction. <i>EPJ Web of Conferences</i> , 2016, 117, 07009.	0.1	0
24	Exact versus Taylor-expanded energy density in the study of the neutron star crustâ€‘core transition. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 105101.	1.4	19
25	Model dependence of the neutron-skin thickness on the symmetry energy. <i>Physical Review C</i> , 2016, 93, .	1.1	34
26	Deformation properties with a finite-range simple effective interaction. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 045115.	1.4	19
27	Neutron skin thickness from the measured electric dipole polarizability in $^{68}\text{Ni}$ and $^{120}\text{Sn}$ . <i>Physical Review C</i> , 2015, 92, .	1.1	175
28	Applications to nuclear properties of the microscopicâ€‘macroscopic model based on the semiclassical Wignerâ€‘Kirkwood method. <i>Physica Scripta</i> , 2015, 90, 114001.	1.2	3
29	Unified equation of state for neutron stars on a microscopic basis. <i>Astronomy and Astrophysics</i> , 2015, 584, A103.	2.1	117
30	Investigating the properties of nuclei with extreme neutron excess and $2 \leq Z \leq 8$ . <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015, 79, 819-822.	0.1	0
31	Study of spin polarized nuclear matter and finite nuclei with finite range simple effective interaction. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2015, 42, 045103.	1.4	15
32	Light exotic nuclei with extreme neutron excess and $2 \leq Z \leq 8$ . <i>International Journal of Modern Physics E</i> , 2015, 24, 1550057.	0.4	0
33	Resonance capture of multineutrons by the $^{88}\text{Sr}$ and $^{27}\text{Al}$ nuclei. <i>JETP Letters</i> , 2015, 102, 321-323.	0.4	1
34	The Determination of the Bulk Symmetry Incompressibility from the Isoscalar Giant Monopole Resonance Revisited. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2015, 8, 707.	0.0	3
35	Stability Peninsulas in the Neutron-Rich Sector. , 2015, , 99-105.		0
36	Gogny-force Inspired Mass Formula Within the Wignerâ€‘Kirkwood Averaging Scheme. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2015, 8, 699.	0.0	0

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37	Nuclear Symmetry Energy: constraints from Giant Quadrupole Resonances and Parity Violating Electron Scattering. EPJ Web of Conferences, 2014, 66, 02092.	0.1	0
38	From the crust to the core of neutron stars on a microscopic basis. Physics of Atomic Nuclei, 2014, 77, 1157-1165.	0.1	17
39	The new neutron rich nuclei. , 2014, , .		0
40	Density dependence of the nuclear symmetry energy from measurements of neutron radii in nuclei. , 2014, , .		2
41	Pairing correlations of cold fermionic gases at overflow from a narrow to a wide harmonic trap. Physical Review A, 2014, 90, .	1.0	3
42	Density dependence of the symmetry energy from neutron skin thickness in finite nuclei. European Physical Journal A, 2014, 50, 1.	1.0	77
43	Symmetry energy of warm nuclear systems. European Physical Journal A, 2014, 50, 1.	1.0	23
44	Investigation of the properties of nuclei with extreme neutron excess in the vicinity of neutron magic numbers. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 569-575.	0.1	3
45	Influence of the single-particle structure on the nuclear surface and the neutron skin. Physical Review C, 2014, 89, .	1.1	19
46	New Kohn-Sham density functional based on microscopic nuclear and neutron matter equations of state. Physical Review C, 2013, 87, .	1.1	89
47	Simple effective interaction: infinite nuclear matter and finite nuclei. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 095105.	1.4	25
48	Peninsula of neutron stability of nuclei in the neighborhood of neutron magic number $N = 126$ . Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 842-848.	0.1	5
49	Electron scattering in isotonic chains as a probe of the proton shell structure of unstable nuclei. Physical Review C, 2013, 87, .	1.1	22
50	Electric dipole polarizability in $^{208}\text{Pb}$ : Insights from the droplet model. Physical Review C, 2013, 88, .	1.1	146
51	Recent developments in the Wigner - Kirkwood mass formula. , 2013, , .		0
52	Pairing in exotic neutron-rich nuclei near the drip line and in the crust of neutron stars. Physical Review C, 2013, 88, .	1.1	36
53	STABILITY PENINSULAS ON THE NEUTRON DRIP LINE. International Journal of Modern Physics E, 2013, 22, 1350009.	0.4	8
54	Thomasâ€™Fermi Studies of Pairing in Inhomogeneous Systems: Nuclear and Cold Atom Systems at Overflow. , 2013, , 212-226.		4

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55	An effective Nuclear Model: from Nuclear Matter to Finite Nuclei. Journal of Physics: Conference Series, 2013, 420, 012114.	0.3	3
56	Title is missing!. Acta Physica Polonica B, 2012, 43, 209.	0.3	12
57	Density dependence of the symmetry energy from neutron skin thickness in finite nuclei. , 2012, , .		8
58	Accurate nuclear masses from a three parameter Kohn-Sham DFT approach (BCPM). , 2012, , .		0
59	Effects of medium on nuclear properties in multifragmentation. Physical Review C, 2012, 86, .	1.1	4
60	Microscopic-macroscopic approach for binding energies with the Wigner-Kirkwood method. II. Deformed nuclei. Physical Review C, 2012, 86, .	1.1	20
61	NEUTRON SKIN THICKNESS IN NEUTRON-RICH NUCLEI: BULK AND SURFACE CONTRIBUTIONS AND SHELL EFFECTS. International Journal of Modern Physics E, 2012, 21, 1250029.	0.4	4
62	Suppression of Superfluidity upon Overflow of Trapped Fermions. Quantal and Thomas-Fermi Studies. Journal of Physics: Conference Series, 2012, 338, 012016.	0.3	0
63	The pygmy dipole strength, the neutron radius of $^{208}\text{Pb}$ and the symmetry energy. Journal of Physics: Conference Series, 2012, 342, 012009.	0.3	0
64	Investigating the neutron and proton density distributions in extremely neutron-rich nuclei. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 871-875.	0.1	2
65	The peninsula of neutron nuclear stability in the vicinity of $N = 258$ . Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 876-880.	0.1	6
66	Peninsulas of the neutron stability of nuclei in the vicinity of neutron magic numbers. Physics of Atomic Nuclei, 2012, 75, 17-26.	0.1	9
67	Neutron Skin of $^{208}\text{Pb}$ , Nuclear Symmetry Energy, and the Parity Radius Experiment. Physical Review Letters, 2011, 106, 252501.	2.9	310
68	Microscopic-Macroscopic Mass Calculations with Wigner-Kirkwood expansion. Journal of Physics: Conference Series, 2011, 321, 012053.	0.3	0
69	Fission properties of the Barcelona-Catania-Paris energy density functional. Journal of Physics: Conference Series, 2011, 321, 012015.	0.3	3
70	Study of the neutron skin thickness of $^{208}\text{Pb}$ in mean field models. Journal of Physics: Conference Series, 2011, 321, 012052.	0.3	1
71	Suppression of Superfluidity upon Overflow of Trapped Fermions: Quantal and Thomas-Fermi Studies. Physical Review Letters, 2011, 107, 205301.	2.9	11
72	Relativistic mean-field interaction with density-dependent meson-nucleon vertices based on microscopical calculations. Physical Review C, 2011, 84, .	1.1	157

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73	Thomas-Fermi approximation to pairing in finite Fermi systems. The weak coupling regime. Journal of Physics: Conference Series, 2011, 321, 012024.	0.3	8
74	SEMICLASSICAL DESCRIPTION OF AVERAGE PAIRING PROPERTIES IN NUCLEI. International Journal of Modern Physics E, 2011, 20, 399-405.	0.4	6
75	Garvey-Kelson relations for nuclear charge radii. European Physical Journal A, 2010, 46, 379-386.	1.0	31
76	Energy density functional on a microscopic basis. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064015.	1.4	31
77	The influence of the symmetry energy on the giant monopole resonance of neutron-rich nuclei analyzed in Thomas's Fermi theory. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 075107.	1.4	15
78	Analysis of bulk and surface contributions in the neutron skin of nuclei. Physical Review C, 2010, 81, .	1.1	76
79	Cooper pair sizes in superfluid nuclei in a simplified model. Physical Review C, 2010, 82, .	1.1	6
80	Microscopic-macroscopic approach for binding energies with the Wigner-Kirkwood method. Physical Review C, 2010, 81, .	1.1	43
81	Octupole deformation properties of the Barcelona-Catania-Paris energy density functionals. Physical Review C, 2010, 81, .	1.1	59
82	WIGNER-KIRKWOOD METHOD FOR MICROSCOPIC-MACROSCOPIC CALCULATION OF BINDING ENERGIES. International Journal of Modern Physics E, 2010, 19, 747-758.	0.4	5
83	Origin of the neutron skin thickness of $^{208}\text{Pb}$ in nuclear mean-field models. Physical Review C, 2010, 82, .	1.1	79
84	Symmetry coefficients and incompressibility of clustered supernova matter. Physical Review C, 2009, 80, .	1.1	10
85	DEFORMED NUCLEI USING THE BARCELONA-CATANIA-PARIS ENERGY DENSITY FUNCTIONAL. International Journal of Modern Physics E, 2009, 18, 935-943.	0.4	5
86	Neutron skin thickness in the droplet model with surface width dependence: Indications of softness of the nuclear symmetry energy. Physical Review C, 2009, 80, .	1.1	166
87	Nuclear Symmetry Energy Probed by Neutron Skin Thickness of Nuclei. Physical Review Letters, 2009, 102, 122502.	2.9	416
88	Kohn-Sham density functional inspired approach to nuclear binding. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 390-394.	1.5	88
89	Theoretical study of elastic electron scattering off stable and exotic nuclei. Physical Review C, 2008, 78, .	1.1	53
90	Nuclear scissors mode with pairing. Physics of Atomic Nuclei, 2008, 71, 1012-1030.	0.1	12

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91	Effect of pairing correlations on the nuclear scissors mode. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 289-294.	0.1	0
92	SEMICLASSICAL DESCRIPTION OF EXOTIC NUCLEAR SHAPES. International Journal of Modern Physics E, 2008, 17, 177-189.	0.4	7
93	Density dependence of the symmetry free energy of hot nuclei. Physical Review C, 2008, 78, .	1.1	18
94	Deformation properties of the Barcelona-Catania-Paris (BCP) energy density functional. Physical Review C, 2008, 77, .	1.1	22
95	Effect of pairing correlations on the nuclear scissors mode. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 289-294.	0.1	0
96	QUASILocal DENSITY FUNCTIONAL THEORY FOR NUCLEI INCLUDING PAIRING CORRELATIONS. International Journal of Modern Physics E, 2007, 16, 249-262.	0.4	2
97	Density reorganization in hot nuclei. Physical Review C, 2007, 75, .	1.1	9
98	Excitation energy dependence of the symmetry energy of finite nuclei. Physical Review C, 2007, 76, .	1.1	42
99	Thomas's Fermi theory for atomic nuclei revisited. Annals of Physics, 2007, 322, 363-396.	1.0	26
100	Nuclear expansion with excitation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 160-165.	1.5	13
101	QuasilocaL density functional theory in nuclei and its extension to include pairing correlations. Physics of Atomic Nuclei, 2006, 69, 1207-1214.	0.1	1
102	Density matrix functional theory that includes pairing correlations. Physical Review C, 2006, 74, .	1.1	12
103	Average ground-state energy of finite Fermi systems. Physical Review C, 2006, 74, .	1.1	14
104	Sum rule approach to the isoscalar giant monopole resonance in drip line nuclei. Physical Review C, 2005, 72, .	1.1	9
105	Pairing matrix elements and pairing gaps with bare, effective, and induced interactions. Physical Review C, 2005, 72, .	1.1	32
106	Atomic parity nonconservation, neutron radii, and effective field theories of nuclei. Physical Review C, 2005, 71, .	1.1	68
107	Nuclear pairing: Surface or bulk?. Physical Review C, 2005, 71, .	1.1	26
108	Microscopic description of the twist mode in normal and superfluid trapped Fermi gases. Physical Review A, 2005, 71, .	1.0	2

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109	Nuclear incompressibility in the quasiloca density functional theory. Physical Review C, 2004, 69, .	1.1	11
110	Superheavy nuclei in a relativistic effective Lagrangian model. Physical Review C, 2004, 69, .	1.1	55
111	Low densities in nuclear and neutron matters and in the nuclear surface. Nuclear Physics A, 2004, 736, 241-254.	0.6	94
112	Versatility of field theory motivated nuclear effective Lagrangian approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 601, 51-55.	1.5	48
113	Thomas-Fermi approximation to static vortex states in superfluid trapped atomic gases. European Physical Journal D, 2003, 27, 147-157.	0.6	2
114	Quasiloca density functional theory and its application within the extended Thomas-Fermi approximation. Physical Review C, 2003, 67, .	1.1	35
115	Semiclassical evaluation of average nuclear one- and two-body matrix elements. Physical Review C, 2003, 67, .	1.1	20
116	Generic finite-size enhancement of pairing in mesoscopic Fermi systems. Physical Review B, 2003, 68, .	1.1	14
117	Isospin-rich nuclei in neutron star matter. Physical Review C, 2002, 66, .	1.1	22
118	Surface incompressibility from semiclassical relativistic mean field calculations. Physical Review C, 2002, 65, .	1.1	31
119	Scaling calculation of isoscalar giant resonances in relativistic Thomas-Fermi theory. Nuclear Physics A, 2002, 703, 240-268.	0.6	14
120	Double-folding model including the Pauli exclusion principle. Physics of Atomic Nuclei, 2002, 65, 707-712.	0.1	1
121	Semiclassical and statistical description of the nuclear Fermi liquid drop. Physics of Atomic Nuclei, 2002, 65, 731-735.	0.1	1
122	Effects of New Couplings from Relativistic Effective Field Theory Models. , 2002, , 97-102.		0
123	Kohn-Sham Approximation with Finite Range Forces. , 2002, , 353-358.		0
124	Pairing properties in relativistic mean field models obtained from effective field theory. Physical Review C, 2001, 63, .	1.1	86
125	Scaling in relativistic Thomas-Fermi approach for nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 67-72.	1.5	7
126	Dynamic and quasistatic trajectories in quasifission reactions and particle emission. Nuclear Physics A, 2001, 679, 441-461.	0.6	3



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127	Pauli distorted double folded potential. Physical Review C, 2001, 64, .	1.1	32
128	Effects of new nonlinear couplings in relativistic effective field theory. Physical Review C, 2001, 63, .	1.1	77
129	Ground-state properties and spins of the odd $Z=N+1$ nuclei $^{61}\text{Ga}$ and $^{97}\text{In}$ . Physical Review C, 2001, 63, .	1.1	39
130	Twist mode in atomic Fermi gases. Physical Review A, 2001, 64, .	1.0	5
131	Nuclei beyond the drip line. Physical Review C, 2001, 64, .	1.1	16
132	Extended Thomas-Fermi approximation to the one-body density matrix. Nuclear Physics A, 2000, 665, 291-317.	0.6	40
133	Moment of inertia of a trapped superfluid gas of atomic fermions. Physical Review A, 2000, 62, .	1.0	27
134	Thomas-Fermi approximation for Bose-Einstein condensates in traps. Physical Review A, 2000, 61, .	1.0	26
135	One-particle exchange in the double-folded potential in a semiclassical approximation. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 2087-2106.	1.4	8
136	Nuclear surface properties in relativistic effective field theory. Nuclear Physics A, 1999, 650, 443-468.	0.6	27
137	Deuteron ground state properties and low energy P-N scattering $1S0$ and $3S1$ channels. European Physical Journal A, 1999, 6, 21-27.	1.0	1
138	Statistical description of the nuclear fermi liquid drop. European Physical Journal D, 1998, 48, 789-798.	0.4	0
139	Variational Wigner-Kirkwood expansion. Annals of Physics, 1998, 266, 207-243.	1.0	17
140	Semiclassical treatment of asymmetric semi-infinite nuclear matter: surface and curvature properties in relativistic and non-relativistic models. Nuclear Physics A, 1998, 635, 193-230.	0.6	67
141	Variational Wigner-Kirkwood approach to relativistic mean field theory. Physical Review C, 1997, 56, 1774-1781.	1.1	5
142	Extended Thomas - Fermi expansion from nuclear linear response. Journal of Physics G: Nuclear and Particle Physics, 1996, 22, 1363-1371.	1.4	1
143	Relativistic Thomas-Fermi description of collective modes in droplets of nuclear matter. Physical Review C, 1996, 54, 2525-2537.	1.1	3
144	Nuclear curvature energy in relativistic models. Physical Review C, 1996, 53, 1018-1021.	1.1	6

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145	COLD NEUTRON AND NUCLEAR MATTER WITH EFFECTIVE AND REALISTIC INTERACTIONS. International Journal of Modern Physics E, 1996, 05, 353-364.	0.4	1
146	A semiclassical approach to the double folded ion - ion potential. Journal of Physics G: Nuclear and Particle Physics, 1996, 22, 497-504.	1.4	1
147	Helium clusters at finite temperature. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1995, 35, 199-216.	1.0	4
148	Semiclassical description of the relativistic nuclear mean field theory. , 1995, , 115-129.		0
149	Nuclear ground-state properties and ion-ion potentials in semiclassical calculations with the Gogny force. Journal of Physics G: Nuclear and Particle Physics, 1995, 21, 947-963.	1.4	7
150	Comment on "Influence of bulk properties on the surface structure of finite nuclei". Physical Review C, 1994, 49, 2852-2853.	1.1	1
151	Level density parameter in relativistic models. Nuclear Physics A, 1994, 567, 611-625.	0.6	0
152	Spectral and thermodynamical properties of symmetric nuclear matter with Gogny interaction. Nuclear Physics A, 1994, 578, 147-167.	0.6	8
153	A Semiclassical Approach to Relativistic Nuclear Mean Field Theory. Annals of Physics, 1993, 221, 165-204.	1.0	42
154	A variational Wigner-Kirkwood theory of finite nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 302, 1-6.	1.5	19
155	On the nuclear curvature energy. Zeitschrift für Physik A, 1993, 346, 87-100.	0.9	20
156	Semiclassical approach to the description of semi-infinite nuclear matter in relativistic mean-field theory. Nuclear Physics A, 1993, 563, 173-204.	0.6	27
157	Relativistic extended Thomas-Fermi calculations of finite nuclei with realistic nucleon-nucleon interactions. Physical Review C, 1993, 47, 1091-1102.	1.1	11
158	A density functional model for the surface properties of liquid $^4\text{He}$ . Journal of Physics Condensed Matter, 1992, 4, 667-678.	0.7	21
159	Semiclassical approximations in non-linear models. Nuclear Physics A, 1992, 537, 486-500.	0.6	33
160	Self-consistent versus experimental densities in the ion-ion potential derived using the energy density formalism. Nuclear Physics A, 1992, 542, 113-130.	0.6	2
161	Fermion dynamics with antisymmetrised coherent states. Nuclear Physics A, 1992, 545, 105-110.	0.6	0
162	Thermodynamic instabilities of nuclear matter at finite temperature with finite range effective interactions. Nuclear Physics A, 1992, 545, 247-257.	0.6	7

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163	Relativistic extended Thomas-Fermi calculations of finite nuclei. Journal of Physics G: Nuclear and Particle Physics, 1991, 17, L193-L199.	1.4	7
164	The surface tension of liquid $^3\text{He}$ above 200 mK: A density functional approach. Journal of Low Temperature Physics, 1990, 80, 77-88.	0.6	21
165	Self-consistent extended Thomas-Fermi calculations in nuclei. Nuclear Physics A, 1990, 510, 397-416.	0.6	50
166	On the relativistic extended Thomas-Fermi method. Nuclear Physics A, 1990, 519, 73-82.	0.6	37
167	The fission of hot rotating nuclei: A selfconsistent thomas-febmi calculation. Nuclear Physics A, 1989, 495, 169-184.	0.6	13
168	4-Order Thomas-Fermi variational calculations of finite nuclei. Nuclear Physics A, 1989, 495, 201-208.	0.6	1
169	4-order variational Thomas-Fermi calculations of finite nuclei: The local case. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 215, 5-9.	1.5	11
170	Wigner-Kirkwood expansion of the phase-space density for semi-infinite nuclear matter. Physical Review A, 1987, 36, 1824-1833.	1.0	9
171	Semiclassical approach to static and dynamic aspects of fermions in a harmonic well. Nuclear Physics A, 1987, 464, 326-348.	0.6	11
172	Nucleon transfer contribution to the imaginary nucleus-nucleus potential. Nuclear Physics A, 1986, 455, 561-572.	0.6	4
173	Emission of prompt nucleons in heavy ion collisions. Zeitschrift für Physik A, 1985, 320, 383-392.	1.4	31
174	Electronic structure determination of iron(II) phthalocyanine via magnetic susceptibility and Mössbauer measurements. Journal of Chemical Physics, 1984, 80, 444-448.	1.2	26
175	Heavy-ion optical potentials at finite temperature calculated using a complex effective interaction derived from a realistic force. Nuclear Physics A, 1984, 414, 309-315.	0.6	4
176	Nucleon currents between highly excited nuclei. Nuclear Physics A, 1984, 426, 163-180.	0.6	5
177	Friction, imaginary potential and nucleon jetting calculated from nucleon currents in semi-infinite nuclear matter. Nuclear Physics A, 1984, 428, 239-254.	0.6	2
178	Thermostatic properties of semi-infinite symmetric nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 124, 131-134.	1.5	12
179	Real part of the nuclear interaction potential between $\hat{1}\pm$ or p and excited heavy nuclei. Nuclear Physics A, 1983, 401, 143-156.	0.6	17
180	Nucleon currents between highly excited nuclei. Nuclear Physics A, 1983, 406, 325-338.	0.6	8

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181	Magnetic susceptibility calculations from crystal field theory for high spin ferric complexes of	1.2	1
182	The charge and matter distributions of $^{208}\text{Pb}$ . Journal of Physics G: Nuclear Physics, 1983, 9, 423-441.	0.8	14
183	Thermostatic properties of semi-infinite nuclear matter. II. The asymmetric case. Journal of Physics G: Nuclear Physics, 1983, 9, 1193-1198.	0.8	6
184	Evaluation of the nucleus-nucleus potential calculated in the sudden approximation. Journal of Physics G: Nuclear Physics, 1983, 9, 1367-1376.	0.8	0
185	Remarks on the proximity scaling applied to heavy ion interaction potentials. Journal De Physique (Paris), Lettres, 1983, 44, 685-688.	2.8	2
186	Estimation of temperature effects on fission barriers. Physical Review C, 1982, 26, 733-735.	1.1	14
187	Calculation of interaction potentials between two heavy ions at finite temperature. Nuclear Physics A, 1982, 389, 69-79.	0.6	26
188	Bulk properties of hot dense nuclear matter: To what extent are the results dependent on the forces?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 100, 209-212.	1.5	4
189	Double folding with a density-dependent effective interaction and its analytical approximation. Physical Review C, 1981, 23, 780-786.	1.1	13
190	Potential screening effects from support films in electron microscopy. Journal Physics D: Applied Physics, 1980, 13, L115-L118.	1.3	1
191	Image force for a particle moving near a solid surface. Journal of Physics C: Solid State Physics, 1979, 12, L111-L114.	1.5	11
192	Leptodermous distributions versus non-saturating forces. Nuclear Physics A, 1975, 240, 109-119.	0.6	3