

Manuel Barranco

List of Publications by Year in descending order

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255
papers

4,489
citations

126907

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175258

52
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256
all docs

256
docs citations

256
times ranked

1368
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and energetics of mixed ^4He - ^3He drops. <i>Physical Review B</i> , 1997, 56, 8997-9003.	3.2	275
2	Helium Nanodroplets: An Overview. <i>Journal of Low Temperature Physics</i> , 2006, 142, 1-81.	1.4	262
3	Self-consistent description of nuclear level densities. <i>Nuclear Physics A</i> , 1981, 351, 269-284.	1.5	113
4	Density functional theory of doped superfluid liquid helium and nanodroplets. <i>International Reviews in Physical Chemistry</i> , 2017, 36, 621-707.	2.3	79
5	Far-infrared spectroscopy of nanoscopic InAs rings. <i>Physical Review B</i> , 2000, 62, 4573-4577.	3.2	76
6	Dissociation of Vertical Semiconductor Diatomic Artificial Molecules. <i>Physical Review Letters</i> , 2001, 87, 066801.	7.8	73
7	Freezing of ^4He and its liquid-solid interface from density functional theory. <i>Physical Review B</i> , 2005, 72, .	3.2	67
8	Surface collective oscillations of metal clusters and spheres: Random-phase-approximation sum-rules approach. <i>Physical Review B</i> , 1989, 39, 8247-8256.	3.2	66
9	Critical Landau Velocity in Helium Nanodroplets. <i>Physical Review Letters</i> , 2013, 111, 153002.	7.8	66
10	Thermodynamic properties of hot nucleonic matter. <i>Physical Review C</i> , 1980, 22, 1729-1737.	2.9	65
11	The Structure and Energetics of ^3He and ^4He Nanodroplets Doped with Alkaline Earth Atoms. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7303-7308.	2.5	54
12	Structure of Large ^3He - ^4He Mixed Drops around a Dopant Molecule. <i>Physical Review Letters</i> , 1999, 82, 3093-3096.	7.8	53
13	Self-consistent extended Thomas-Fermi calculations in nuclei. <i>Nuclear Physics A</i> , 1990, 510, 397-416.	1.5	50
14	Structure and Stability of ^3He Droplets. <i>Physical Review Letters</i> , 1997, 78, 4729-4732.	7.8	49
15	Density functional theory of the structure of magnesium-doped helium nanodroplets. <i>Physical Review B</i> , 2008, 78, .	3.2	49
16	Desorption of alkali atoms from ^4He nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3996.	2.8	48
17	Pinning of Quantized Vortices in Helium Drops by Dopant Atoms and Molecules. <i>Physical Review Letters</i> , 2000, 85, 1028-1031.	7.8	47
18	A Semiclassical Approach to Relativistic Nuclear Mean Field Theory. <i>Annals of Physics</i> , 1993, 221, 165-204.	2.8	42

#	ARTICLE	IF	CITATIONS
19	Translational dynamics of photoexcited atoms in 4He nanodroplets: the case of silver. Physical Chemistry Chemical Physics, 2013, 15, 18388.	2.8	42
20	Experimental and theoretical study of the radial density distributions of large 3He droplets. Physical Review B, 2001, 63, .	3.2	40
21	Coulomb barriers in the dissociation of doubly charged clusters. Physical Review B, 1991, 43, 9459-9466.	3.2	39
22	Spin and density longitudinal response of quantum dots in the time-dependent local-spin-density approximation. Physical Review B, 1999, 59, 15290-15300.	3.2	38
23	On the relativistic extended Thomas-Fermi method. Nuclear Physics A, 1990, 519, 73-82.	1.5	37
24	Static dipole polarizability of alkali-metal clusters: Electronic exchange and correlation effects. Physical Review B, 1990, 42, 10950-10964.	3.2	37
25	Self-bound ultradilute Bose mixtures within local density approximation. Physical Review A, 2018, 98, .	2.5	37
26	Surface location of sodium atoms attached to He ₃ nanodroplets. Physical Review B, 2004, 70, .	3.2	36
27	Electron bubbles in liquid helium: Density functional calculations of infrared absorption spectra. Physical Review B, 2006, 73, .	3.2	36
28	RPA sum rules for giant resonances at finite temperature. Nuclear Physics A, 1985, 444, 445-459.	1.5	35
29	Electronic structure of few-electron concentric double quantum rings. Physical Review B, 2006, 73, .	3.2	35
30	Absorption spectrum of Ca atoms attached to ^4He nanodroplets. Physical Review B, 2008, 77, .	3.2	35
31	Vortex arrays in nanoscopic superfluid helium droplets. Physical Review B, 2015, 91, .	3.2	35
32	Response of doped He ₄ droplets. Physical Review B, 1994, 49, 12078-12086.	3.2	34
33	Density-functional calculations of magnetoplasmons in quantum rings. Physical Review B, 1999, 59, 15301-15307.	3.2	34
34	Ultrafast relaxation of photoexcited superfluid He nanodroplets. Nature Communications, 2020, 11, 112.	12.8	34
35	Semiclassical approximations in non-linear \hat{H}_{\pm} models. Nuclear Physics A, 1992, 537, 486-500.	1.5	33
36	Thermal nucleation of cavities in liquid helium at negative pressures. Physical Review B, 1993, 47, 9116-9119.	3.2	33

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37	Picosecond solvation dynamics of alkali cations in superfluid ^4He nanodroplets. <i>Physical Review B</i> , 2014, 90, .	3.2	33
38	Probing Vortices in ^4He Nanodroplets. <i>Physical Review Letters</i> , 2003, 91, 105302.	7.8	32
39	Excited electron-bubble states in superfluid ^4He : A time-dependent density functional approach. <i>Journal of Chemical Physics</i> , 2011, 134, 044507.	3.0	32
40	Spinning superfluid ^4He nanodroplets. <i>Physical Review B</i> , 2018, 97, .	3.2	32
41	Emission of prompt nucleons in heavy ion collisions. <i>Zeitschrift für Physik A</i> , 1985, 320, 383-392.	1.4	31
42	Multipole modes and spin features in the Raman spectrum of nanoscopic quantum rings. <i>Physical Review B</i> , 2001, 64, .	3.2	31
43	Spin-orbit effects in GaAs quantum wells: Interplay between Rashba, Dresselhaus, and Zeeman interactions. <i>Physical Review B</i> , 2006, 74, .	3.2	31
44	Angular Momentum in Rotating Superfluid Droplets. <i>Physical Review Letters</i> , 2020, 124, 215301.	7.8	30
45	Vertically coupled quantum dots in the local spin-density functional theory. <i>Physical Review B</i> , 2001, 63, .	3.2	29
46	K-Rb Fermi-Bose mixtures: Vortex states and sag. <i>Physical Review A</i> , 2004, 70, .	2.5	29
47	Communication: Nucleation of quantized vortex rings in ^4He nanodroplets. <i>Journal of Chemical Physics</i> , 2014, 140, 131101.	3.0	29
48	A density functional for liquid ^3He . <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993, 28, 257-267.	1.0	28
49	Calcium atoms attached to mixed helium droplets: A probe for the ^4He surface. <i>Physical Review B</i> , 2017, 95, 041407.	3.2	28
50	Capture of Xe and Ar atoms by quantized vortices in ^4He nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24805-24818.	2.8	28
51	Absorption Spectrum of Na Atoms Attached to ^4He Nanodroplets. <i>Journal of Low Temperature Physics</i> , 2010, 158, 105-111.	1.4	27
52	Desorption Dynamics of Heavy Alkali Metal Atoms (Rb, Cs) Off the Surface of Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6604-6614.	2.5	27
53	Calculation of interaction potentials between two heavy ions at finite temperature. <i>Nuclear Physics A</i> , 1982, 389, 69-79.	1.5	26
54	The excited dipole resonance: A finite-temperature sum rule approach. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 154, 96-100.	4.1	26

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55	The static polarisability of metal clusters and spheres in an improved Thomas-Fermi approximation. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 10391-10405.	1.8	26
56	Finite size effects in the evaporation rate of ^3He clusters. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1991, 21, 185-188.	1.0	26
57	Collective states of ^3He clusters. <i>Physical Review Letters</i> , 1991, 67, 2311-2314.	7.8	26
58	Quantum cavitation in liquid helium. <i>Physical Review B</i> , 1996, 54, 16135-16138.	3.2	26
59	Far-infrared edge modes in quantum dots. <i>Physical Review B</i> , 1997, 56, 12375-12385.	3.2	26
60	Current-density-functional approach to large quantum dots in intense magnetic fields. <i>Physical Review B</i> , 1998, 57, 14783-14792.	3.2	26
61	Vertical diatomic artificial molecule in the intermediate-coupling regime in a parallel and perpendicular magnetic field. <i>Physical Review B</i> , 2003, 67, .	3.2	26
62	Vortex properties in the extended supersolid phase of dipolar Bose-Einstein condensates. <i>Physical Review A</i> , 2021, 103, .	2.5	26
63	Equation of state of hot, dense stellar matter: Finite temperature nuclear Thomas-Fermi approach. <i>Physical Review C</i> , 1981, 24, 1191-1202.	2.9	25
64	Thermal nucleation and cavitation in ^3He and ^4He . <i>Physical Review B</i> , 1993, 48, 16582-16588.	3.2	25
65	Explosion of electron bubbles attached to quantized vortices in liquid ^4He . <i>Journal of Chemical Physics</i> , 2007, 126, 244502.	3.0	25
66	Imaging Excited-State Dynamics of Doped ^4He Nanodroplets in Real-Time. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 307-312.	4.6	25
67	Multi- λ matter in a derivative coupling model. <i>Physical Review C</i> , 1991, 44, 178-183.	2.9	24
68	Instability scenarios for doped ^4He clusters. <i>Journal of Chemical Physics</i> , 1997, 107, 927-931.	3.0	24
69	Capture of heliophobic atoms by ^4He nanodroplets: the case of cesium. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23206-23213.	2.8	24
70	Bulk-plasmon dispersion relations in metals. <i>Physical Review B</i> , 1991, 44, 1492-1498.	3.2	23
71	Response of liquid ^3He at finite temperatures. <i>Physical Review B</i> , 1996, 54, 7394-7400.	3.2	23
72	Multipole response of metal spheres to q -dependent excitation operators. <i>Physical Review B</i> , 1990, 41, 3434-3446.	3.2	22

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73	Ground-state properties of doped ^3He clusters. <i>Journal of Chemical Physics</i> , 1998, 108, 9102-9106.	3.0	22
74	Quantized Vortices in Mixed ^3He - ^4He Drops. <i>Physical Review Letters</i> , 2001, 87, 145301.	7.8	22
75	Alkali Atoms attached to ^3He Nanodroplets. <i>Journal of Low Temperature Physics</i> , 2005, 138, 229-234.	1.4	22
76	Squeezing a Helium Nanodroplet with a Rydberg Electron. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12695-12701.	2.5	22
77	Mg impurity in helium droplets. <i>Journal of Chemical Physics</i> , 2012, 136, 054301.	3.0	22
78	Low-entropy adiabats for stellar collapse. <i>Nuclear Physics A</i> , 1982, 381, 507-518.	1.5	21
79	The surface tension of liquid ^3He above 200 mK: A density functional approach. <i>Journal of Low Temperature Physics</i> , 1990, 80, 77-88.	1.4	21
80	A density functional model for the surface properties of liquid ^4He . <i>Journal of Physics Condensed Matter</i> , 1992, 4, 667-678.	1.8	21
81	Critical supersaturation of ^3He liquid mixtures at low temperatures. <i>Physical Review B</i> , 1995, 51, 11981-11983.	3.2	20
82	Optical response of two-dimensional few-electron concentric double quantum rings: A local-spin-density-functional theory study. <i>Physical Review B</i> , 2006, 74, .	3.2	20
83	Absorption spectrum of atomic impurities in isotopic mixtures of liquid helium. <i>Physical Review B</i> , 2011, 83, .	3.2	20
84	From nonwetting to prewetting: The asymptotic behavior of ^4He drops on alkali substrates. <i>Physical Review B</i> , 2003, 68, .	3.2	19
85	Evolution of the excited electron bubble in liquid ^4He . <i>Physical Review B</i> , 2003, 68, .	3.2	19
86	Thomas-Fermi calculations of the level density parameter of deformed nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 206, 177-181.	4.1	18
87	Helium on planar and nanostructured alkali-metal surfaces. <i>Physical Review B</i> , 2009, 79, .	3.2	18
88	Real part of the nuclear interaction potential between $\hat{1}\pm$ or p and excited heavy nuclei. <i>Nuclear Physics A</i> , 1983, 401, 143-156.	1.5	17
89	Pairing effects in metal clusters. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1992, 22, 659-666.	1.0	17
90	Dissociation of doubly charged alkali metal clusters. <i>Annalen Der Physik</i> , 1992, 504, 270-280.	2.4	17

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91	Wave-vector dependence of spin and density multipole excitations in quantum dots. <i>Physical Review B</i> , 2000, 61, 8289-8297.	3.2	17
92	Cavitation of Electron Bubbles in Liquid Helium Below Saturation Pressure. <i>Journal of Low Temperature Physics</i> , 2005, 139, 397-417.	1.4	17
93	Vortex arrays in a rotating superfluid ^4He nanocylinder. <i>Physical Review B</i> , 2014, 90, .	3.2	17
94	Vorticity and quantum turbulence in the merging of superfluid helium nanodroplets. <i>Physical Review B</i> , 2019, 99, .	3.2	17
95	The warm breath. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 143, 314-318.	4.1	16
96	Helium in Nanoconfinement: Interplay Between Geometry and Wetting Behavior. <i>Journal of Low Temperature Physics</i> , 2009, 157, 174-205.	1.4	16
97	Electronic surface excitations of cavities in metals. <i>Physical Review B</i> , 1992, 46, 9369-9379.	3.2	15
98	Cavitation in ^3He liquid mixtures at low temperatures. <i>Physical Review B</i> , 1995, 51, 1140-1146.	3.2	15
99	Dynamics of photoexcited Ba^+ cations in ^4He nanodroplets. <i>Journal of Chemical Physics</i> , 2016, 144, 094302.	3.0	15
100	Estimation of temperature effects on fission barriers. <i>Physical Review C</i> , 1982, 26, 733-735.	2.9	14
101	Spherical time dependent Thomas-Fermi calculation of the dynamical evolution of hot and compressed nuclei. <i>Zeitschrift für Physik A</i> , 1985, 320, 691-692.	1.4	14
102	Time-dependent Thomas-Fermi approach to nuclear monopole oscillations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 166, 1-4.	4.1	14
103	Collective spin excitations of alkali-metal clusters. <i>Physical Review A</i> , 1993, 47, R1601-R1604.	2.5	14
104	Deformed-jellium model for the fission of multiply charged simple metal clusters. <i>Physical Review B</i> , 1995, 51, 1897-1901.	3.2	14
105	Generating vortex rings in Bose-Einstein condensates in the line-source approximation. <i>Physical Review A</i> , 2002, 65, .	2.5	14
106	Bound States of ^3He at the Edge of a ^4He Drop on a Cesium Surface. <i>Physical Review Letters</i> , 2003, 90, 185301.	7.8	14
107	Exchange-correlation effects on quantum wires with spin-orbit interactions under the influence of in-plane magnetic fields. <i>Physical Review B</i> , 2007, 76, .	3.2	14
108	Spin-polarized ^3He : liquid gas equilibrium. <i>Journal De Physique</i> , 1987, 48, 1337-1350.	1.8	14

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109	The fission of hot rotating nuclei: A selfconsistent thomas-febmi calculation. Nuclear Physics A, 1989, 495, 169-184.	1.5	13
110	Integer filling factor phases and isospin in vertical diatomic artificial molecules. Physical Review B, 2004, 70, .	3.2	13
111	Desorption dynamics of RbHe exciplexes off He nanodroplets induced by spin-relaxation. Physical Chemistry Chemical Physics, 2018, 20, 9309-9320.	2.8	13
112	Dynamics of equilibration and collisions in ultradilute quantum droplets. Physical Review Research, 2021, 3, .	3.6	13
113	Thermostatic properties of semi-infinite symmetric nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 124, 131-134.	4.1	12
114	From multifragmentation of nuclei to the quark-gluon plasma. Nuclear Physics A, 1987, 471, 381-397.	1.5	12
115	A semi-classical model for isoscalar giant resonances at finite temperatures. Nuclear Physics A, 1988, 480, 29-50.	1.5	12
116	Transverse dipole spin modes in quantum dots. Physical Review B, 1999, 60, 8734-8742.	3.2	12
117	Condensation of helium in nanoscopic alkali wedges at zero temperature. Physical Review B, 2006, 73, .	3.2	12
118	Motion of electrons in liquid H^4 e^- 4 He nanodroplets. Physical Review B, 2010, 82, .	3.2	12
119	Unravelling the full relaxation dynamics of superexcited helium nanodroplets. Physical Chemistry Chemical Physics, 2021, 23, 15138-15149.	2.8	12
120	\hat{H}_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.	4.1	11
121	Relativistic extended Thomas-Fermi calculations of finite nuclei with realistic nucleon-nucleon interactions. Physical Review C, 1993, 47, 1091-1102.	2.9	11
122	Ground state structure and conductivity of quantum wires of infinite length and finite width. Physical Review B, 2005, 72, .	3.2	11
123	Vertically coupled double quantum rings at zero magnetic field. Physical Review B, 2006, 73, .	3.2	11
124	Ca impurity in small mixed $H_4e^-H_3e$ clusters. Journal of Chemical Physics, 2009, 131, 174110.	3.0	11
125	Head-on Collisions of Xe Atoms Against Superfluid 4He Nanodroplets. Journal of Low Temperature Physics, 2017, 187, 439-445.	1.4	11
126	Magnetoconductivity of quantum dots with Rashba interaction. Physical Review B, 2009, 79, .	3.2	10

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127	Dynamics of impurity clustering in superfluid ^4He nanodroplets. Physical Chemistry Chemical Physics, 2019, 21, 17423-17432.	2.8	10
128	Towards a quantum Monte Carlo-based density functional including finite-range effects: Excitation modes of a K quantum droplet. Physical Review A, 2020, 102, .	2.5	10
129	Rotating ^3He droplets. Journal of Chemical Physics, 2020, 152, 184111.	3.0	10
130	Ultrafast Resonant Interatomic Coulombic Decay Induced by Quantum Fluid Dynamics. Physical Review X, 2021, 11, .	8.9	10
131	Stability of vortex lines in liquid ^4He mixtures at zero temperature. Physical Review B, 1997, 55, 11092-11095.	3.2	9
132	Shell structure in mixed ^3He - ^4He droplets. Physical Review A, 2004, 69, .	2.5	9
133	Solvation onset of Ca in mixed helium droplets. European Physical Journal D, 2009, 52, 63-66.	1.3	9
134	Li atoms attached to helium nanodroplets. International Journal of Quantum Chemistry, 2011, 111, 400-405.	2.0	9
135	Coexistence of vortex arrays and surface capillary waves in spinning prolate superfluid ^4He nanodroplets. Physical Review B, 2021, 104, .	3.2	9
136	Excitation energy of the lowest $2+$ and 3^+ levels in ^{32}Mg and ^{146}Gd . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1978, 78, 542-546.	4.1	8
137	Coupling of two-quasi-particle $2+$ states to the $T = 0$ giant quadrupole resonance in the even Pb-isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 91, 321-324.	4.1	8
138	Nucleon currents between highly excited nuclei. Nuclear Physics A, 1983, 406, 325-338.	1.5	8
139	Multifragmentation of hot and compressed nuclei within a time dependent thomas fermi and percolation model. Zeitschrift für Physik A, Atomic Nuclei, 1986, 325, 347-355.	0.3	8
140	Collective excitations of ^3He clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 20, 277-279.	1.0	8
141	Static aspects of the fission and fusion of ^3He drops. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 25, 227-232.	1.0	8
142	Barrier for the reaction $X_2^{2+} + X_2 \rightarrow X_4^{2+}$ in alkali-metal clusters related to electron density at the bond midpoint of the supermolecule $(X_2)_2$. Physical Review B, 1994, 49, 5565-5569.	3.2	8
143	^3He - ^3He drop collisions in the Vlasov dynamics. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1995, 34, 35-46.	1.0	8
144	Quantum cavitation in liquid ^3He : Dissipation effects. Physical Review B, 1999, 60, 3048-3051.	3.2	8

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145	Density modes in spherical ^4He shells. <i>Physical Review B</i> , 2004, 69, .	3.2	8
146	Novel Aspects of Wedge Filling by Liquid Helium. <i>Journal of Low Temperature Physics</i> , 2007, 148, 851-855.	1.4	8
147	Thermal limit cycle oscillations on the surface of accreting neutron stars X-ray bursters. <i>Astrophysical Journal</i> , 1980, 242, 1226.	4.5	8
148	Relativistic extended Thomas-Fermi calculations of finite nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1991, 17, L193-L199.	3.6	7
149	Fission barriers for $\text{Na N } 2+$ cluster dissociation. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1994, 31, 275-277.	1.0	7
150	Freezing of Helium-4: Comparison of Different Density Functional Approaches. <i>Journal of Low Temperature Physics</i> , 2007, 148, 731-736.	1.4	7
151	Onset of nanoscale dissipation in superfluid ^4He at zero temperature: Role of vortex shedding and cavitation. <i>Physical Review B</i> , 2017, 96, .	3.2	7
152	CAVITATION IN LIQUID HELIUM. <i>Series on Advances in Quantum Many-body Theory</i> , 2002, , 319-355.	0.2	7
153	Thermostatic properties of semi-infinite nuclear matter. II. The asymmetric case. <i>Journal of Physics G: Nuclear Physics</i> , 1983, 9, 1193-1198.	0.8	6
154	Spurious continuum effects on excited giant resonances. <i>Nuclear Physics A</i> , 1987, 464, 29-38.	1.5	6
155	Fission stability diagram of $\text{Pu}240$. <i>Physical Review C</i> , 1989, 40, 1522-1524.	2.9	6
156	A density functional description of spin and pairing properties in liquid ^3He . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 171, 119-124.	2.1	6
157	Delocalization and fragmentation of collective modes in doped ^4He drops. <i>Physical Review B</i> , 1995, 51, 9364-9367.	3.2	6
158	Finite Size Effects in Adsorption of Helium Mixtures by Alkali Substrates. <i>Journal of Low Temperature Physics</i> , 2004, 136, 139-157.	1.4	6
159	Spin-orbit effects on the Larmor dispersion relation in GaAs quantum wells. <i>Physical Review B</i> , 2006, 73, .	3.2	6
160	Toward a Density Functional Description of Liquid ^2He . <i>Journal of Physical Chemistry A</i> , 2011, 115, 6910-6917.	2.5	6
161	4s to 5s and 4p photoexcitation dynamics of K atoms from the surface of helium nanodroplets: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3626-3636.	2.8	6
162	Nucleon currents between highly excited nuclei. <i>Nuclear Physics A</i> , 1984, 426, 163-180.	1.5	5

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163	The dipole isovector M3 sum rule in the random phase approximation. Nuclear Physics A, 1989, 505, 173-192.	1.5	5
164	Triplet pairing in fermionic droplets. Physical Review B, 1993, 48, 365-373.	3.2	5
165	Semi-empirical model for the fission of multiply charged metal clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1995, 33, 301-305.	1.0	5
166	Nucleation in Dilute 3He-4He Liquid Mixtures at Low Temperatures. Journal of Low Temperature Physics, 1999, 117, 81-100.	1.4	5
167	Multipole response of doped [³ He]He drops. Journal of Chemical Physics, 2001, 115, 10154.	3.0	5
168	Isospin phases of vertically coupled double quantum rings under the influence of perpendicular magnetic fields. Physical Review B, 2008, 78, .	3.2	5
169	Negative impurity ions in liquid ^3He . Physical Review B, 2008, 78, .	3.2	5
170	Infrared Absorption and Emission Spectrum of e^- Electron Bubbles Attached to Linear Vortices in Liquid ^4He . Journal of Low Temperature Physics, 2010, 158, 397-403.	1.4	5
171	Electron localization in few-electron concentric quantum rings. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 841-843.	2.7	5
172	Fall-back time for photo-ionized Cs atoms attached to superfluid ^4He nanodroplets. European Physical Journal D, 2019, 73, 1.	1.3	5
173	Rotating mixed ^3He ^4He nanodroplets. Physical Review B, 2020, 102, .	3.2	5
174	Clustering, collision, and relaxation dynamics in pure and doped helium nanoclusters: Density- vs particle-based approaches. Journal of Chemical Physics, 2022, 157, 014106.	3.0	5
175	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.	4.1	4
176	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.	1.5	4
177	Nucleon transfer contribution to the imaginary nucleus-nucleus potential. Nuclear Physics A, 1986, 455, 561-572.	1.5	4
178	Model for the evolution of hot and compressed spherical nuclei. Zeitschrift für Physik A, Atomic Nuclei, 1986, 323, 419-435.	0.3	4
179	Dynamical Multifragmentation. Physica Scripta, 1990, T32, 160-164.	2.5	4
180	Angular momentum and temperature dependence of fission barriers with a realistic force. Zeitschrift für Physik A, Atomic Nuclei, 1990, 336, 31-36.	0.3	4

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181	Fission and fusion of ^3He drops. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 385-387.	1.0	4
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183	The Structure and Response of Doped ^3He Clusters. Journal of Low Temperature Physics, 1998, 113, 381-386.	1.4	4
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