

Manuel Barranco

List of Publications by Year in descending order

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255
papers

4,489
citations

126907

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256
docs citations

256
times ranked

1368
citing authors

#	ARTICLE	IF	CITATIONS
1	Merging of superfluid helium nanodroplets with vortices. <i>Physical Review B</i> , 2022, 105, .	3.2	4
2	Clustering, collision, and relaxation dynamics in pure and doped helium nanoclusters: Density- vs particle-based approaches. <i>Journal of Chemical Physics</i> , 2022, 157, 014106.	3.0	5
3	Unravelling the full relaxation dynamics of superexcited helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15138-15149.	2.8	12
4	Vortex properties in the extended supersolid phase of dipolar Bose-Einstein condensates. <i>Physical Review A</i> , 2021, 103, .	2.5	26
5	Ultrafast Resonant Interatomic Coulombic Decay Induced by Quantum Fluid Dynamics. <i>Physical Review X</i> , 2021, 11, .	8.9	10
6	Coexistence of vortex arrays and surface capillary waves in spinning prolate superfluid ^4He nanodroplets. <i>Physical Review B</i> , 2021, 104, .	3.2	9
7	Dynamics of Photoexcited Cs Atoms Attached to Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9048-9059.	2.5	0
8	Dynamics of equilibration and collisions in ultradilute quantum droplets. <i>Physical Review Research</i> , 2021, 3, .	3.6	13
9	Ultrafast relaxation of photoexcited superfluid He nanodroplets. <i>Nature Communications</i> , 2020, 11, 112. Towards a quantum Monte Carlo-based density functional including finite-range effects: Excitation modes of a	12.8	34
10	K quantum droplet. <i>Physical Review A</i> , 2020, 101, 033601.	2.5	10
11	^3He nanodroplets. <i>Physical Review B</i> , 2020, 102, .	3.2	5
12	Rotating ^3He droplets. <i>Journal of Chemical Physics</i> , 2020, 152, 184111.	3.0	10
13	Angular Momentum in Rotating Superfluid Droplets. <i>Physical Review Letters</i> , 2020, 124, 215301.	7.8	30
14	Alkali atoms attached to vortex-hosting helium nanodroplets. <i>Journal of Chemical Physics</i> , 2020, 152, 194109.	3.0	2
15	Dynamics of impurity clustering in superfluid ^4He nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17423-17432.	2.8	10
16	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
17	Fall-back time for photo-ionized Cs atoms attached to superfluid ^4He nanodroplets. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	5
18	Vorticity and quantum turbulence in the merging of superfluid helium nanodroplets. <i>Physical Review B</i> , 2019, 99, .	3.2	17

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19	Helium-induced electronic transitions in photo-excited Ba+He exciplexes. Journal of Chemical Physics, 2018, 148, 144302.	3.0	4
20	Desorption dynamics of RbHe exciplexes off He nanodroplets induced by spin-relaxation. Physical Chemistry Chemical Physics, 2018, 20, 9309-9320.	2.8	13
21	Self-bound ultradilute Bose mixtures within local density approximation. Physical Review A, 2018, 98, .	2.5	37
22	Impulsive alignment of 4HeCH ₃ I: A theoretical study. Journal of Chemical Physics, 2018, 149, 124301.	3.0	4
23	Spinning superfluid ^4He nanodroplets. Physical Review B, 2018, 97, .	3.2	32
24	Imaging Excited-State Dynamics of Doped He Nanodroplets in Real-Time. Journal of Physical Chemistry Letters, 2017, 8, 307-312.	4.6	25
25	Onset of nanoscale dissipation in superfluid ^4He at zero temperature: Role of vortex shedding and cavitation. Physical Review B, 2017, 96, .	3.2	7
26	Density functional theory of doped superfluid liquid helium and nanodroplets. International Reviews in Physical Chemistry, 2017, 36, 621-707.	2.3	79
27	Head-on Collisions of Xe Atoms Against Superfluid ^4He Nanodroplets. Journal of Low Temperature Physics, 2017, 187, 439-445.	1.4	11
28	Capture of Xe and Ar atoms by quantized vortices in ^4He nanodroplets. Physical Chemistry Chemical Physics, 2017, 19, 24805-24818.	2.8	28
29	Dynamics of photoexcited Ba ⁺ cations in ^4He nanodroplets. Journal of Chemical Physics, 2016, 144, 094302.	3.0	15
30	A Density Functional Approach to Para-hydrogen at Zero Temperature. Journal of Low Temperature Physics, 2016, 185, 26-38.	1.4	1
31	Vortex arrays in nanoscopic superfluid helium droplets. Physical Review B, 2015, 91, .	3.2	35
32	Vortex arrays in a rotating superfluid ^4He nanocylinder. Physical Review B, 2014, 90, .	3.2	17
33	Picosecond-resolution dynamics of alkali cations in superfluid ^4He nanodroplets. Physical Review B, 2014, 90, .	3.2	33
34	Communication: Nucleation of quantized vortex rings in ^4He nanodroplets. Journal of Chemical Physics, 2014, 140, 131101.	3.0	29
35	Capture of heliophobic atoms by ^4He nanodroplets: the case of cesium. Physical Chemistry Chemical Physics, 2014, 16, 23206-23213.	2.8	24
36	Desorption Dynamics of Heavy Alkali Metal Atoms (Rb, Cs) Off the Surface of Helium Nanodroplets. Journal of Physical Chemistry A, 2014, 118, 6604-6614.	2.5	27

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37	Critical Landau Velocity in Helium Nanodroplets. <i>Physical Review Letters</i> , 2013, 111, 153002.	7.8	66
38	Electron Photo-ejection from Bubble States in Liquid 4He. <i>Journal of Low Temperature Physics</i> , 2013, 171, 171-177.	1.4	3
39	Probing the interface of doped isotopically mixed helium droplets by the directional anisotropy of interatomic Coulombic decay. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18167.	2.8	4
40	Translational dynamics of photoexcited atoms in 4He nanodroplets: the case of silver. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18388.	2.8	42
41	The structure of mixed 3He-4He droplets doped with OCS: A density functional approach. <i>Journal of Chemical Physics</i> , 2013, 139, 174308.	3.0	2
42	Mg impurity in helium droplets. <i>Journal of Chemical Physics</i> , 2012, 136, 054301.	3.0	22
43	Desorption of alkali atoms from 4He nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3996.	2.8	48
44	Nucleation and cavitation in parahydrogen. <i>Chemical Physics</i> , 2012, 399, 213-217.	1.9	3
45	Cavitation of electron bubbles in liquid parahydrogen. <i>Molecular Physics</i> , 2011, 109, 2757-2762.	1.7	1
46	Toward a Density Functional Description of Liquid pH_2 . <i>Journal of Physical Chemistry A</i> , 2011, 115, 6910-6917.	2.5	6
47	Li atoms attached to helium nanodroplets. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 400-405.	2.0	9
48	Absorption spectrum of atomic impurities in isotopic mixtures of liquid helium. <i>Physical Review B</i> , 2011, 83, .	3.2	20
49	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
50	Infrared Absorption and Emission Spectrum of Electron Bubbles Attached to Linear Vortices in Liquid 4He. <i>Journal of Low Temperature Physics</i> , 2010, 158, 397-403.	1.4	5
51	Electron localization in few-electron concentric quantum rings. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 841-843.	2.7	5
52	Magnetic field induced electron transitions in concentric double quantum rings. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2608-2611.	0.8	3
53	Motion of electrons in liquid H_4 . <i>Physical Review B</i> , 2010, 82, .	3.2	12
54	Ground state and infrared response of triple concentric quantum ring structures. <i>Physical Review B</i> , 2010, 82, .	3.2	3

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55	Evolution of the excited electron bubble in liquid ^4He and the appearance of fission-like processes. Physical Review B, 2010, 81, .	3.2	19
56	HELIUM ON NANOPATTERNED SURFACES AT FINITE TEMPERATURE. International Journal of Modern Physics B, 2010, 24, 4915-4922.	2.0	0
57	Absorption Spectrum of Na Atoms Attached to ^4He Nanodroplets. Journal of Low Temperature Physics, 2010, 158, 105-111.	1.4	27
58	Elementary excitations in superfluid ^4He mixtures.	3.2	3
59	Helium on planar and nanostructured alkali-metal surfaces. Physical Review B, 2009, 79, .	3.2	18
60	Magnetoconductivity of quantum dots with Rashba interaction. Physical Review B, 2009, 79, .	3.2	10
61	Negative impurity ions in liquid ^4He . Calcium atoms attached to mixed helium droplets: A probe for the ^4He .	3.2	5
62	Ca impurity in small mixed ^4He - ^3He clusters. Journal of Chemical Physics, 2009, 131, 174110.	3.2	28
63	Helium in Nanoconfinement: Interplay Between ^4He Geometry and Wetting Behavior. Journal of Low Temperature Physics, 2009, 157, 174-205.	3.0	11
64	Solvation onset of Ca in mixed helium droplets. European Physical Journal D, 2009, 52, 63-66.	1.4	16
65	Spectrum of a ^3He atom in a $\text{Ca}@^4\text{He}_{50}$ droplet. Journal of Physics: Conference Series, 2009, 150, 032051.	1.3	9
66	Complex solvation of Mg atoms in ^4He nanodroplets. Journal of Physics: Conference Series, 2009, 150, 032003.	0.4	2
67	Density functional theory of the structure of magnesium-doped helium nanodroplets. Physical Review B, 2008, 78, .	0.4	2
68	Absorption spectrum of Ca atoms attached to ^4He nanodroplets. Physical Review B, 2008, 77, .	3.2	49
69	Isospin phases of vertically coupled double quantum rings under the influence of perpendicular magnetic fields. Physical Review B, 2008, 78, .	3.2	35
70	CONDENSATION OF HELIUM IN WEDGES. International Journal of Modern Physics B, 2007, 21, 2067-2076.	3.2	5
71	Explosion of electron bubbles attached to quantized vortices in liquid ^4He . Journal of Chemical Physics, 2007, 126, 244502.	2.0	1
72		3.0	25

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73	Addition energies and density dipole response of quantum rings under the influence of in-plane electric fields. <i>Physical Review B</i> , 2007, 76, .	3.2	1
74	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
75	Squeezing a Helium Nanodroplet with a Rydberg Electron. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12695-12701.	2.5	22
76	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
77	Zeeman and spin-orbit effects on the spin-Hall conductance. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 36, 190-193.	2.7	1
78	Novel Aspects of Wedge Filling by Liquid Helium. <i>Journal of Low Temperature Physics</i> , 2007, 148, 851-855.	1.4	8
79	Freezing of Helium-4: Comparison of Different Density Functional Approaches. <i>Journal of Low Temperature Physics</i> , 2007, 148, 731-736.	1.4	7
80	Spin-orbit effects in GaAs quantum wells: Interplay between Rashba, Dresselhaus, and Zeeman interactions. <i>Physical Review B</i> , 2006, 74, .	3.2	31
81	Electronic structure of few-electron concentric double quantum rings. <i>Physical Review B</i> , 2006, 73, .	3.2	35
82	Vertical homonuclear quantum ring molecules. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 3652-3655.	0.8	0
83	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
84	Bose-Fermi mixtures in optical lattices. <i>Laser Physics</i> , 2006, 16, 360-366.	1.2	4
85	Helium Nanodroplets: An Overview. <i>Journal of Low Temperature Physics</i> , 2006, 142, 1-81.	1.4	262
86	Spin-orbit effects on the Larmor dispersion relation in GaAs quantum wells. <i>Physical Review B</i> , 2006, 73, .	3.2	6
87	Electron bubbles in liquid helium: Density functional calculations of infrared absorption spectra. <i>Physical Review B</i> , 2006, 73, .	3.2	36
88	Vertically coupled double quantum rings at zero magnetic field. <i>Physical Review B</i> , 2006, 73, .	3.2	11
89	Condensation of helium in nanoscopic alkali wedges at zero temperature. <i>Physical Review B</i> , 2006, 73, .	3.2	12
90	INFRARED-ABSORPTION SPECTRUM OF ELECTRON BUBBLES IN LIQUID HELIUM. <i>International Journal of Modern Physics B</i> , 2006, 20, 5291-5300.	2.0	2

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91	INFRARED-ABSORPTION SPECTRUM OF ELECTRON BUBBLES IN LIQUID HELIUM. , 2006, , .		0
92	Freezing of He ₄ and its liquid-solid interface from density functional theory. Physical Review B, 2005, 72, .	3.2	67
93	Alkali Atoms attached to ³ He Nanodroplets. Journal of Low Temperature Physics, 2005, 138, 229-234.	1.4	22
94	Explosion of Electron Bubbles in Liquid ⁴ He Revisited. Journal of Low Temperature Physics, 2005, 138, 463-468.	1.4	1
95	Cavitation of Electron Bubbles in Liquid Helium Below Saturation Pressure. Journal of Low Temperature Physics, 2005, 139, 397-417.	1.4	17
96	Ground state structure and conductivity of quantum wires of infinite length and finite width. Physical Review B, 2005, 72, .	3.2	11
97	Critical frequency for vortex nucleation in Bose-Fermi mixtures in optical lattices. Physical Review A, 2005, 72, .	2.5	3
98	Shell structure in mixed ³ He- ⁴ He droplets. Physical Review A, 2004, 69, .	2.5	9
99	Surface location of sodium atoms attached to ³ He nanodroplets. Physical Review B, 2004, 70, .	3.2	36
100	K-Rb Fermi-Bose mixtures: Vortex states and sag. Physical Review A, 2004, 70, .	2.5	29
101	Density modes in spherical ⁴ He shells. Physical Review B, 2004, 69, .	3.2	8
102	A New Class of 1D States for Liquid ³ He. Journal of Low Temperature Physics, 2004, 134, 781-786.	1.4	2
103	Finite Size Effects in Adsorption of Helium Mixtures by Alkali Substrates. Journal of Low Temperature Physics, 2004, 136, 139-157.	1.4	6
104	Integer filling factor phases in vertical diatomic artificial molecules. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 502-505.	2.7	0
105	Integer filling factor phases and isospin in vertical diatomic artificial molecules. Physical Review B, 2004, 70, .	3.2	13
106	Density functional theory application to double quantum dots: Influence of mismatch on the addition energy spectra of vertical diatomic artificial molecules. International Journal of Quantum Chemistry, 2003, 91, 498-503.	2.0	3
107	Bound States of ³ He at the Edge of a ⁴ He Drop on a Cesium Surface. Physical Review Letters, 2003, 90, 185301.	7.8	14
108	Helium nanodroplets. Nuclear Physics News, 2003, 13, 24-28.	0.4	0

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109	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
110	From nonwetting to prewetting: The asymptotic behavior of ^4He drops on alkali substrates. <i>Physical Review B</i> , 2003, 68, .	3.2	19
111	Probing Vortices in ^4He Nanodroplets. <i>Physical Review Letters</i> , 2003, 91, 105302.	7.8	32
112	Generating vortex rings in Bose-Einstein condensates in the line-source approximation. <i>Physical Review A</i> , 2002, 65, .	2.5	14
113	Cavitation in ^3He - ^4He Liquid Mixtures. , 2002, , 161-174.		0
114	Spin features in the Raman spectrum of nanoscopic rings. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 787-789.	2.7	0
115	Influence of mismatch on the addition energy spectra of vertical diatomic artificial molecules. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 896-899.	2.7	2
116	Pinning of Quantized Vortices in Mixed ^3He - ^4He Droplets. <i>Journal of Low Temperature Physics</i> , 2002, 126, 281-286.	1.4	4
117	CAVITATION IN LIQUID HELIUM. <i>Series on Advances in Quantum Many-body Theory</i> , 2002, , 319-355.	0.2	7
118	Vertical diatomic artificial quantum dot molecules. , 2002, , 65-84.		0
119	Multipole modes and spin features in the Raman spectrum of nanoscopic quantum rings. <i>Physical Review B</i> , 2001, 64, .	3.2	31
120	Dissociation of Vertical Semiconductor Diatomic Artificial Molecules. <i>Physical Review Letters</i> , 2001, 87, 066801.	7.8	73
121	Vertically coupled quantum dots in the local spin-density functional theory. <i>Physical Review B</i> , 2001, 63, .	3.2	29
122	Far-Infrared Excitations in an Antidot at Finite Magnetic Fields. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 518-524.	1.5	2
123	Experimental and theoretical study of the radial density distributions of large ^3He droplets. <i>Physical Review B</i> , 2001, 63, .	3.2	40
124	Multipole response of doped $[\text{sup } 3]\text{He}$ drops. <i>Journal of Chemical Physics</i> , 2001, 115, 10154.	3.0	5
125	Quantized Vortices in Mixed ^3He - ^4He Drops. <i>Physical Review Letters</i> , 2001, 87, 145301.	7.8	22
126	Quantum cavitation in liquid helium: dissipation effects. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 214-215.	2.7	0

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127	Vortices in Doped 4He Clusters. Journal of Low Temperature Physics, 2000, 121, 423-428.	1.4	4
128	3Heimpurity in a Bose-Einstein condensate. Physical Review A, 2000, 62, .	2.5	4
129	Pinning of Quantized Vortices in Helium Drops by Dopant Atoms and Molecules. Physical Review Letters, 2000, 85, 1028-1031.	7.8	47
130	Wave-vector dependence of spin and density multipole excitations in quantum dots. Physical Review B, 2000, 61, 8289-8297.	3.2	17
131	Far-infrared spectroscopy of nanoscopic InAs rings. Physical Review B, 2000, 62, 4573-4577.	3.2	76
132	Structure of Large ^3He - ^4He Mixed Drops around a Dopant Molecule. Physical Review Letters, 1999, 82, 3093-3096.	7.8	53
133	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
134	Quantum cavitation in liquid ^3He : Dissipation effects. Physical Review B, 1999, 60, 3048-3051.	3.2	8
135	Nucleation in Dilute ^3He - ^4He Liquid Mixtures at Low Temperatures. Journal of Low Temperature Physics, 1999, 117, 81-100.	1.4	5
136	Density-functional calculations of magnetoplasmons in quantum rings. Physical Review B, 1999, 59, 15301-15307.	3.2	34
137	Transverse dipole spin modes in quantum dots. Physical Review B, 1999, 60, 8734-8742.	3.2	12
138	Longitudinal modes of quantum dots in magnetic fields. , 1999, , 643-646.		1
139	The Structure and Response of Doped ^3He Clusters. Journal of Low Temperature Physics, 1998, 113, 381-386.	1.4	4
140	Ring Vortex Destabilization in Supersaturated ^3He - ^4He Liquid Mixtures at Low Temperatures. Journal of Low Temperature Physics, 1998, 112, 303-319.	1.4	2
141	Ground-state properties of doped ^3He clusters. Journal of Chemical Physics, 1998, 108, 9102-9106.	3.0	22
142	Structure and far-infrared edge modes of quantum antidots at zero magnetic field. Physical Review B, 1998, 58, 6732-6735.	3.2	2
143	Current-density-functional approach to large quantum dots in intense magnetic fields. Physical Review B, 1998, 57, 14783-14792.	3.2	26
144	Thermally assisted quantum cavitation in solutions of ^3He in ^4He . Europhysics Letters, 1997, 38, 601-606.	2.0	4

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145	Far-infrared edge modes in quantum dots. Physical Review B, 1997, 56, 12375-12385.	3.2	26
146	Structure and Stability of ^3He Droplets. Physical Review Letters, 1997, 78, 4729-4732.	7.8	49
147	Structure and energetics of mixed ^4He - ^3He drops. Physical Review B, 1997, 56, 8997-9003.	3.2	275
148	Stability of vortex lines in liquid ^4He mixtures at zero temperature. Physical Review B, 1997, 55, 11092-11095.	3.2	9
149	Instability scenarios for doped He_4 clusters. Journal of Chemical Physics, 1997, 107, 927-931.	3.0	24
150	Response of liquid He_3 at finite temperatures. Physical Review B, 1996, 54, 7394-7400.	3.2	23
151	Thermally assisted quantum cavitation in liquid Helium. European Physical Journal D, 1996, 46, 389-390.	0.4	2
152	Two quasiparticle scattering and pairing in neutron matter with Skyrme interactions. Zeitschrift für Physik A, 1996, 355, 23-29.	0.9	0
153	Quantum cavitation in liquid helium. Physical Review B, 1996, 54, 16135-16138.	3.2	26
154	ON THE FISSION OF CHARGED ALKALI-METAL CLUSTERS. Surface Review and Letters, 1996, 03, 617-621.	1.1	3
155	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
156	^3He - ^3He drop collisions in the Vlasov dynamics. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1995, 34, 35-46.	1.0	8
157	Deformed-jellium model for the fission of multiply charged simple metal clusters. Physical Review B, 1995, 51, 1897-1901.	3.2	14
158	Nucleation in supersaturated solutions of ^3He in ^4He at negative pressures. Physical Review B, 1995, 52, 1210-1214.	3.2	3
159	Critical supersaturation of ^4He liquid mixtures at low temperatures. Physical Review B, 1995, 51, 11981-11983.	3.2	20
160	Cavitation in ^4He liquid mixtures at low temperatures. Physical Review B, 1995, 51, 1140-1146.	3.2	15
161	Delocalization and fragmentation of collective modes in doped He_4 drops. Physical Review B, 1995, 51, 9364-9367.	3.2	6
162	Fission barriers for Na N^{2+} cluster dissociation. , 1995, , 231-234.		0

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163	Symmetric and asymmetric fission of charged sodium clusters. Acta Physica Hungarica A Heavy Ion Physics, 1995, 1, 227-240.	0.4	0
164	Barrier for the reaction $X_{20}^{++} + X_{20}^{+} \rightarrow X_{40}^{+}$ in alkali-metal clusters related to electron density at the bond midpoint of the supermolecule $(X_{20}^{+})_2$. Physical Review B, 1994, 49, 5565-5569.	3.2	8
165	Response of doped He ₄ droplets. Physical Review B, 1994, 49, 12078-12086.	3.2	34
166	Fission barriers for Na N ²⁺ cluster dissociation. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1994, 31, 275-277.	1.0	7
167	A Semiclassical Approach to Relativistic Nuclear Mean Field Theory. Annals of Physics, 1993, 221, 165-204.	2.8	42
168	Dipole surface plasmon in large K N ⁺ clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 95-97.	1.0	0
169	Static aspects of the fission and fusion of ³ He drops. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 25, 227-232.	1.0	8
170	A fluidynamical description of non-natural parity collective states in ³ He drops. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 25, 233-237.	1.0	2
171	Fission and fusion of ³ He drops. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 385-387.	1.0	4
172	A density functional for liquid ³ He. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 28, 257-267.	1.0	28
173	Relativistic extended Thomas-Fermi calculations of finite nuclei with realistic nucleon-nucleon interactions. Physical Review C, 1993, 47, 1091-1102.	2.9	11
174	Thermal nucleation of cavities in liquid helium at negative pressures. Physical Review B, 1993, 47, 9116-9119.	3.2	33
175	Collective spin excitations of alkali-metal clusters. Physical Review A, 1993, 47, R1601-R1604.	2.5	14
176	Triplet pairing in fermionic droplets. Physical Review B, 1993, 48, 365-373.	3.2	5
177	Thermal nucleation and cavitation in He ₃ and He ₄ . Physical Review B, 1993, 48, 16582-16588.	3.2	25
178	Magnetic and Pairing Properties of Liquid ³ He: A Density Functional Approach. , 1993, , 205-214.		0
179	Electronic surface excitations of cavities in metals. Physical Review B, 1992, 46, 9369-9379.	3.2	15
180	A density functional model for the surface properties of liquid ⁴ He. Journal of Physics Condensed Matter, 1992, 4, 667-678.	1.8	21

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181	Dipole surface plasmon in K+N clusters. Solid State Communications, 1992, 84, 905-909.	1.9	0
182	Semiclassical approximations in non-linear $\hat{\rho}$ models. Nuclear Physics A, 1992, 537, 486-500.	1.5	33
183	A density functional description of spin and pairing properties in liquid ^3He . Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 171, 119-124.	2.1	6
184	Pairing effects in metal clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1992, 22, 659-666.	1.0	17
185	Dissociation of doubly charged alkali metal clusters. Annalen Der Physik, 1992, 504, 270-280.	2.4	17
186	Fragmentation of Doubly Charged Alkali-Metal Clusters. Springer Series in Nuclear and Particle Physics, 1992, , 305-311.	0.1	2
187	Multipole Response of ^3He Clusters. Springer Series in Nuclear and Particle Physics, 1992, , 83-86.	0.1	2
188	Search of Superconductivity in Metal Clusters. , 1992, , 303-311.		0
189	Dissociation of doubly-charged alkali-metal clusters. , 1992, , 112-117.		0
190	Collective excitations of ^3He clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 20, 277-279.	1.0	8
191	Finite size effects in the evaporation rate of ^3He clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 21, 185-188.	1.0	26
192	The response of metal clusters to q - and L -dependent external fields. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 19, 89-91.	1.0	2
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