

# Marti Pi

## List of Publications by Year in descending order

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209  
papers

3,781  
citations

136950

32  
h-index

189892

50  
g-index

209  
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209  
docs citations

209  
times ranked

1346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and energetics of mixed $^4\text{He}$ - $^3\text{He}$ 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	Density functional theory of doped superfluid liquid helium and nanodroplets. <i>International Reviews in Physical Chemistry</i> , 2017, 36, 621-707.	2.3	79
4	Far-infrared spectroscopy of nanoscopic InAs rings. <i>Physical Review B</i> , 2000, 62, 4573-4577.	3.2	76
5	Dissociation of Vertical Semiconductor Diatomic Artificial Molecules. <i>Physical Review Letters</i> , 2001, 87, 066801.	7.8	73
6	Freezing of $^4\text{He}$ and its liquid-solid interface from density functional theory. <i>Physical Review B</i> , 2005, 72, .	3.2	67
7	Critical Landau Velocity in Helium Nanodroplets. <i>Physical Review Letters</i> , 2013, 111, 153002.	7.8	66
8	The Structure and Energetics of $^3\text{He}$ and $^4\text{He}$ Nanodroplets Doped with Alkaline Earth Atoms. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7303-7308.	2.5	54
9	Structure of Large $^3\text{He}$ - $^4\text{He}$ Mixed Drops around a Dopant Molecule. <i>Physical Review Letters</i> , 1999, 82, 3093-3096.	7.8	53
10	Dipolar condensates confined in a toroidal trap: Ground state and vortices. <i>Physical Review A</i> , 2010, 81, .	2.5	53
11	Self-consistent extended Thomas-Fermi calculations in nuclei. <i>Nuclear Physics A</i> , 1990, 510, 397-416.	1.5	50
12	Vortices in Bose-Einstein condensates with dominant dipolar interactions. <i>Physical Review A</i> , 2009, 79, .	2.5	50
13	Density functional theory of the structure of magnesium-doped helium nanodroplets. <i>Physical Review B</i> , 2008, 78, .	3.2	49
14	Desorption of alkali atoms from $^4\text{He}$ nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3996.	2.8	48
15	Pinning of Quantized Vortices in Helium Drops by Dopant Atoms and Molecules. <i>Physical Review Letters</i> , 2000, 85, 1028-1031.	7.8	47
16	Translational dynamics of photoexcited atoms in $^4\text{He}$ nanodroplets: the case of silver. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18388.	2.8	42
17	Experimental and theoretical study of the radial density distributions of large $^3\text{He}$ droplets. <i>Physical Review B</i> , 2001, 63, .	3.2	40
18	A dipolar self-induced bosonic Josephson junction. <i>Europhysics Letters</i> , 2011, 94, 10004.	2.0	39

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19	Spin and density longitudinal response of quantum dots in the time-dependent local-spin-density approximation. <i>Physical Review B</i> , 1999, 59, 15290-15300.	3.2	38
20	Communication: Unraveling the 4He droplet-mediated soft-landing from ab initio-assisted and time-resolved density functional simulations: Au@4He300/TiO2(110). <i>Journal of Chemical Physics</i> , 2015, 142, 131101.	3.0	37
21	Self-bound ultradilute Bose mixtures within local density approximation. <i>Physical Review A</i> , 2018, 98, .	2.5	37
22	Surface location of sodium atoms attached toHe3nanodroplets. <i>Physical Review B</i> , 2004, 70, .	3.2	36
23	Electron bubbles in liquid helium: Density functional calculations of infrared absorption spectra. <i>Physical Review B</i> , 2006, 73, .	3.2	36
24	Electronic structure of few-electron concentric double quantum rings. <i>Physical Review B</i> , 2006, 73, .	3.2	35
25	Absorption spectrum of Ca atoms attached to ${}^4\text{He}$ nanodroplets. <i>Physical Review B</i> , 2008, 77, .	3.2	35
26	Vortex arrays in nanoscopic superfluid helium droplets. <i>Physical Review B</i> , 2015, 91, .	3.2	35
27	Density-functional calculations of magnetoplasmons in quantum rings. <i>Physical Review B</i> , 1999, 59, 15301-15307.	3.2	34
28	Communication: A combined periodic density functional and incremental wave-function-based approach for the dispersion-accounting time-resolved dynamics of 4He nanodroplets on surfaces: 4He/graphene. <i>Journal of Chemical Physics</i> , 2014, 141, 151102.	3.0	34
29	Ultrafast relaxation of photoexcited superfluid He nanodroplets. <i>Nature Communications</i> , 2020, 11, 112.	12.8	34
30	Thermal nucleation of cavities in liquid helium at negative pressures. <i>Physical Review B</i> , 1993, 47, 9116-9119.	3.2	33
31	Picosecond solvation dynamics of alkali cations in superfluid ${}^4\text{He}$ nanodroplets. <i>Physical Review B</i> , 2014, 89, .	3.2	33
32	Compressional effects in heavy ion collisions. Spinodal decomposition and thermal energy saturation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 229, 359-363.	4.1	32
33	Probing Vortices inHe4Nanodroplets. <i>Physical Review Letters</i> , 2003, 91, 105302.	7.8	32
34	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
35	Spinning superfluid ${}^4\text{He}$ nanodroplets. <i>Physical Review B</i> , 2018, 97, .	3.2	32
36	Emission of prompt nucleons in heavy ion collisions. <i>Zeitschrift für Physik A</i> , 1985, 320, 383-392.	1.4	31

#	ARTICLE	IF	CITATIONS
37	Multipole modes and spin features in the Raman spectrum of nanoscopic quantum rings. Physical Review B, 2001, 64, .	3.2	31
38	Spin-orbit effects in GaAs quantum wells: Interplay between Rashba, Dresselhaus, and Zeeman interactions. Physical Review B, 2006, 74, .	3.2	31
39	Helium mediated deposition: Modeling the He <sup>+</sup> TiO <sub>2</sub> (110)-(1Å <sup>-1</sup> ) interaction potential and application to the collision of a helium droplet from density functional calculations. Journal of Chemical Physics, 2012, 136, 124703.	3.0	31
40	Phase slippage and self-trapping in a self-induced bosonic Josephson junction. Physical Review A, 2011, 84, .	2.5	30
41	Angular Momentum in Rotating Superfluid Droplets. Physical Review Letters, 2020, 124, 215301.	7.8	30
42	Vertically coupled quantum dots in the local spin-density functional theory. Physical Review B, 2001, 63, .	3.2	29
43	K-Rb Fermi-Bose mixtures: Vortex states and sag. Physical Review A, 2004, 70, .	2.5	29
44	Communication: Nucleation of quantized vortex rings in 4He nanodroplets. Journal of Chemical Physics, 2014, 140, 131101.	3.0	29
45	Magneto-optics of three-dimensional quantum dots: a real time, time-dependent local spin-density approach. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 24, 297-307.	2.7	28
46	Calcium atoms attached to mixed helium droplets: A probe for the $\langle H \rangle$	3.2	28
47	Capture of Xe and Ar atoms by quantized vortices in <sup>4</sup> He nanodroplets. Physical Chemistry Chemical Physics, 2017, 19, 24805-24818.	2.8	28
48	Absorption Spectrum of Na Atoms Attached to Helium Nanodroplets. Journal of Low Temperature Physics, 2010, 158, 105-111.	1.4	27
49	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
50	Finite size effects in the evaporation rate of <sup>3</sup> He clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 21, 185-188.	1.0	26
51	Quantum cavitation in liquid helium. Physical Review B, 1996, 54, 16135-16138.	3.2	26
52	Far-infrared edge modes in quantum dots. Physical Review B, 1997, 56, 12375-12385.	3.2	26
53	Current-density-functional approach to large quantum dots in intense magnetic fields. Physical Review B, 1998, 57, 14783-14792.	3.2	26
54	Vertical diatomic artificial molecule in the intermediate-coupling regime in a parallel and perpendicular magnetic field. Physical Review B, 2003, 67, .	3.2	26

#	ARTICLE	IF	CITATIONS
55	Vortex properties in the extended supersolid phase of dipolar Bose-Einstein condensates. Physical Review A, 2021, 103, .	2.5	26
56	Thermal nucleation and cavitation in He <sup>3</sup> and He <sup>4</sup> . Physical Review B, 1993, 48, 16582-16588.	3.2	25
57	Explosion of electron bubbles attached to quantized vortices in liquid He <sup>4</sup> . Journal of Chemical Physics, 2007, 126, 244502.	3.0	25
58	Imaging Excited-State Dynamics of Doped He Nanodroplets in Real-Time. Journal of Physical Chemistry Letters, 2017, 8, 307-312.	4.6	25
59	Capture of heliophobic atoms by <sup>4</sup> He nanodroplets: the case of cesium. Physical Chemistry Chemical Physics, 2014, 16, 23206-23213.	2.8	24
60	Quantized Vortices in Mixed He <sup>3</sup> ~He <sup>4</sup> Drops. Physical Review Letters, 2001, 87, 145301.	7.8	22
61	Alkali Atoms attached to He <sup>3</sup> Nanodroplets. Journal of Low Temperature Physics, 2005, 138, 229-234.	1.4	22
62	Squeezing a Helium Nanodroplet with a Rydberg Electron. Journal of Physical Chemistry A, 2007, 111, 12695-12701.	2.5	22
63	The surface tension of liquid He <sup>3</sup> above 200 mK: A density functional approach. Journal of Low Temperature Physics, 1990, 80, 77-88.	1.4	21
64	A density functional model for the surface properties of liquid He <sup>4</sup> . Journal of Physics Condensed Matter, 1992, 4, 667-678.	1.8	21
65	From quantum dots to quantum wires: Electronic structure of semiconductor nanorods. Physical Review B, 2009, 80, .	3.2	21
66	Critical supersaturation of <sup>4</sup> He liquid mixtures at low temperatures. Physical Review B, 1995, 51, 11981-11983.	3.2	20
67	Optical response of two-dimensional few-electron concentric double quantum rings: A local-spin-density-functional theory study. Physical Review B, 2006, 74, .	3.2	20
68	Absorption spectrum of atomic impurities in isotopic mixtures of liquid helium. Physical Review B, 2011, 83, .	3.2	20
69	Explosions in Landau Vlasov dynamics. Nuclear Physics A, 1989, 495, 73-89.	1.5	19
70	From nonwetting to prewetting: The asymptotic behavior of He <sup>4</sup> drops on alkali substrates. Physical Review B, 2003, 68, .	3.2	19
71	Evolution of the excited electron bubble in liquid $H$ and the appearance of fission-like processes. Physical Review B, 2010, 81, .	3.2	19
72	Helium on planar and nanostructured alkali-metal surfaces. Physical Review B, 2009, 79, .	3.2	18

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73	Wave-vector dependence of spin and density multipole excitations in quantum dots. <i>Physical Review B</i> , 2000, 61, 8289-8297.	3.2	17
74	Cavitation of Electron Bubbles in Liquid Helium Below Saturation Pressure. <i>Journal of Low Temperature Physics</i> , 2005, 139, 397-417.	1.4	17
75	Vortex arrays in a rotating superfluid $^4\text{He}$ nanocylinder. <i>Physical Review B</i> , 2014, 90, .	3.2	17
76	Helium Droplet-Mediated Deposition and Aggregation of Nanoscale Silver Clusters on Carbon Surfaces. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22248-22257.	3.1	17
77	Vorticity and quantum turbulence in the merging of superfluid helium nanodroplets. <i>Physical Review B</i> , 2019, 99, .	3.2	17
78	Helium in Nanoconfinement: Interplay Between Geometry and Wetting Behavior. <i>Journal of Low Temperature Physics</i> , 2009, 157, 174-205.	1.4	16
79	Giant dipole modes in heavy-ion reactions. <i>Nuclear Physics A</i> , 1989, 492, 294-314.	1.5	15
80	Electronic surface excitations of cavities in metals. <i>Physical Review B</i> , 1992, 46, 9369-9379.	3.2	15
81	Cavitation in $^4\text{He}$ liquid mixtures at low temperatures. <i>Physical Review B</i> , 1995, 51, 1140-1146.	3.2	15
82	Dynamics of photoexcited $\text{Ba}^+$ cations in $^4\text{He}$ nanodroplets. <i>Journal of Chemical Physics</i> , 2016, 144, 094302.	3.0	15
83	Estimation of temperature effects on fission barriers. <i>Physical Review C</i> , 1982, 26, 733-735.	2.9	14
84	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
85	Generating vortex rings in Bose-Einstein condensates in the line-source approximation. <i>Physical Review A</i> , 2002, 65, .	2.5	14
86	Bound States of $^3\text{He}$ at the Edge of a $^4\text{He}$ Drop on a Cesium Surface. <i>Physical Review Letters</i> , 2003, 90, 185301.	7.8	14
87	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
88	Integer filling factor phases and isospin in vertical diatomic artificial molecules. <i>Physical Review B</i> , 2004, 70, .	3.2	13
89	Effective mass and dielectric constant mismatch effects in spherical multishell quantum dots. <i>Physical Review B</i> , 2007, 75, .	3.2	13
90	Quantum Monte Carlo study of few-electron concentric double quantum rings. <i>Physical Review B</i> , 2009, 79, .	3.2	13

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91	Desorption dynamics of RbHe exciplexes off He nanodroplets induced by spin-relaxation. Physical Chemistry Chemical Physics, 2018, 20, 9309-9320.	2.8	13
92	Dynamics of equilibration and collisions in ultradilute quantum droplets. Physical Review Research, 2021, 3, .	3.6	13
93	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
94	Transverse dipole spin modes in quantum dots. Physical Review B, 1999, 60, 8734-8742.	3.2	12
95	Magnetic-field dependence of hole levels in self-assembled InGaAs quantum dots. Physical Review B, 2005, 72, .	3.2	12
96	Condensation of helium in nanoscopic alkali wedges at zero temperature. Physical Review B, 2006, 73, .	3.2	12
97	Motion of electrons in liquid $^4\text{He}$ nanodroplets. Physical Review B, 2019, 82, .	3.2	12
98	Unravelling the full relaxation dynamics of superexcited helium nanodroplets. Physical Chemistry Chemical Physics, 2021, 23, 15138-15149.	2.8	12
99	$\alpha$ -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
100	Ground state structure and conductivity of quantum wires of infinite length and finite width. Physical Review B, 2005, 72, .	3.2	11
101	Vertically coupled double quantum rings at zero magnetic field. Physical Review B, 2006, 73, .	3.2	11
102	Head-on Collisions of Xe Atoms Against Superfluid $^4\text{He}$ Nanodroplets. Journal of Low Temperature Physics, 2017, 187, 439-445.	1.4	11
103	Magnetoconductivity of quantum dots with Rashba interaction. Physical Review B, 2009, 79, .	3.2	10
104	A density functional study of the structure of small OCS@3He <sub>N</sub> clusters. Journal of Chemical Physics, 2013, 138, 044321.	3.0	10
105	Dynamics of impurity clustering in superfluid $^4\text{He}$ nanodroplets. Physical Chemistry Chemical Physics, 2019, 21, 17423-17432.	2.8	10
106	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
107	Rotating $^3\text{He}$ droplets. Journal of Chemical Physics, 2020, 152, 184111.	3.0	10
108	Ultrafast Resonant Interatomic Coulombic Decay Induced by Quantum Fluid Dynamics. Physical Review X, 2021, 11, .	8.9	10

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109	Stability of vortex lines in liquid $^4\text{He}$ mixtures at zero temperature. <i>Physical Review B</i> , 1997, 55, 11092-11095.	3.2	9
110	Shell structure in mixed $^3\text{He}$ - $^4\text{He}$ droplets. <i>Physical Review A</i> , 2004, 69, .	2.5	9
111	Adsorption potentials for nonplanar geometries. <i>Physical Review B</i> , 2007, 76, .	3.2	9
112	Solvation onset of Ca in mixed helium droplets. <i>European Physical Journal D</i> , 2009, 52, 63-66.	1.3	9
113	Li atoms attached to helium nanodroplets. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 400-405.	2.0	9
114	Coexistence of vortex arrays and surface capillary waves in spinning prolate superfluid $^4\text{He}$ nanodroplets. <i>Physical Review B</i> , 2021, 104, .	3.2	9
115	Magnetic and structural characterization of the solid solution $\text{CdFe}_2\text{O}_4$ - $\text{NiFe}_2\text{O}_4$ . <i>Materials Research Bulletin</i> , 1980, 15, 969-980.	5.2	8
116	Nucleon currents between highly excited nuclei. <i>Nuclear Physics A</i> , 1983, 406, 325-338.	1.5	8
117	Static aspects of the fission and fusion of $^3\text{He}$ drops. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993, 25, 227-232.	1.0	8
118	$^3\text{He}$ - $^3\text{He}$ drop collisions in the Vlasov dynamics. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1995, 34, 35-46.	1.0	8
119	Quantum cavitation in liquid $^3\text{He}$ : Dissipation effects. <i>Physical Review B</i> , 1999, 60, 3048-3051.	3.2	8
120	Density modes in spherical $^4\text{He}$ shells. <i>Physical Review B</i> , 2004, 69, .	3.2	8
121	Novel Aspects of Wedge Filling by Liquid Helium. <i>Journal of Low Temperature Physics</i> , 2007, 148, 851-855.	1.4	8
122	Isomeric electronic states in concentric quantum rings. <i>Physical Review B</i> , 2009, 79, .	3.2	8
123	Freezing of Helium-4: Comparison of Different Density Functional Approaches. <i>Journal of Low Temperature Physics</i> , 2007, 148, 731-736.	1.4	7
124	Vortex rings in toroidal Bose-Einstein condensates. <i>Laser Physics</i> , 2008, 18, 648-652.	1.2	7
125	Onset of nanoscale dissipation in superfluid $^4\text{He}$ at zero temperature: Role of vortex shedding and cavitation. <i>Physical Review B</i> , 2017, 96, .	3.2	7
126	CAVITATION IN LIQUID HELIUM. <i>Series on Advances in Quantum Many-body Theory</i> , 2002, , 319-355.	0.2	7



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127	Thermostatic properties of semi-infinite nuclear matter. II. The asymmetric case. Journal of Physics G: Nuclear Physics, 1983, 9, 1193-1198.	0.8	6
128	Spurious continuum effects on excited giant resonances. Nuclear Physics A, 1987, 464, 29-38.	1.5	6
129	Finite Size Effects in Adsorption of Helium Mixtures by Alkali Substrates. Journal of Low Temperature Physics, 2004, 136, 139-157.	1.4	6
130	Spin-orbit effects on the Larmor dispersion relation in GaAs quantum wells. Physical Review B, 2006, 73, .	3.2	6
131	Nonparabolicity and dielectric effects on addition energy spectra of spherical nanocrystals. Journal of Applied Physics, 2007, 102, .	2.5	6
132	Helium in polygonal nanopores at zero temperature: Density functional theory calculations. Physical Review B, 2008, 77, .	3.2	6
133	Toward a Density Functional Description of Liquid $^2\text{He}$ . Journal of Physical Chemistry A, 2011, 115, 6910-6917.	2.5	6
134	4s to 5s and 4p photoexcitation dynamics of K atoms from the surface of helium nanodroplets: a theoretical study. Physical Chemistry Chemical Physics, 2019, 21, 3626-3636.	2.8	6
135	Nucleon currents between highly excited nuclei. Nuclear Physics A, 1984, 426, 163-180.	1.5	5
136	Nucleation in Dilute $^3\text{He}$ - $^4\text{He}$ Liquid Mixtures at Low Temperatures. Journal of Low Temperature Physics, 1999, 117, 81-100.	1.4	5
137	A consistent extension of the local spin density approximation to account for quantum dot mass and dielectric mismatches. Journal of Applied Physics, 2006, 100, 073712.	2.5	5
138	Isospin phases of vertically coupled double quantum rings under the influence of perpendicular magnetic fields. Physical Review B, 2008, 78, .	3.2	5
139	Negative impurity ions in liquid $^4\text{He}$ . <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline" <math>H</math> <math>e</math> <math>4</math> Physical Review B, 2009, 80, .	3.2	5
140	Infrared Absorption and Emission Spectrum of $^4\text{He}$ Electron Bubbles Attached to $^4\text{He}$ Linear Vortices in $^4\text{He}$ . Journal of Low Temperature Physics, 2010, 158, 397-403.	1.4	5
141	Electron localization in few-electron concentric quantum rings. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 841-843.	2.7	5
142	Mixed correlation phases in elongated quantum dots. Physical Review B, 2010, 82, .	3.2	5
143	Fall-back time for photo-ionized Cs atoms attached to superfluid $^4\text{He}$ nanodroplets. European Physical Journal D, 2019, 73, 1.	1.3	5
144	Rotating mixed $^4\text{He}$ nanodroplets. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> <math>He</math> <math>3</math> <math>4</math> Physical Review B, 2020, 102, .	3.2	5

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145	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
146	Nucleon transfer contribution to the imaginary nucleus-nucleus potential. <i>Nuclear Physics A</i> , 1986, 455, 561-572.	1.5	4
147	Quasi-fusion of $^{139}\text{La} + ^{12}\text{C}$ at intermediate energies?. <i>Nuclear Physics A</i> , 1991, 524, 537-560.	1.5	4
148	Fission and fusion of $^3\text{He}$ drops. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993, 26, 385-387.	1.0	4
149	Helium clusters at finite temperature. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1995, 35, 199-216.	1.0	4
150	Thermally assisted quantum cavitation in solutions of $^3\text{He}$ in $^4\text{He}$ . <i>Europhysics Letters</i> , 1997, 38, 601-606.	2.0	4
151	Vortices in Doped $^4\text{He}$ Clusters. <i>Journal of Low Temperature Physics</i> , 2000, 121, 423-428.	1.4	4
152	Pinning of Quantized Vortices in Mixed $^3\text{He}$ - $^4\text{He}$ Droplets. <i>Journal of Low Temperature Physics</i> , 2002, 126, 281-286.	1.4	4
153	Bose-Fermi mixtures in optical lattices. <i>Laser Physics</i> , 2006, 16, 360-366.	1.2	4
154	Singlet-triplet transition of a two-electron quantum ring in magnetic and electric fields. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1492-1494.	2.7	4
155	Energy barriers for vortex nucleation in dipolar condensates. <i>Laser Physics</i> , 2010, 20, 1190-1196.	1.2	4
156	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
157	Helium-induced electronic transitions in photo-excited $\text{Ba}^+\text{He}_n$ exciplexes. <i>Journal of Chemical Physics</i> , 2018, 148, 144302.	3.0	4
158	Impulsive alignment of $^4\text{He}\text{-CH}_3\text{I}$ : A theoretical study. <i>Journal of Chemical Physics</i> , 2018, 149, 124301.	3.0	4
159	Merging of superfluid helium nanodroplets with vortices. <i>Physical Review B</i> , 2022, 105, .	3.2	4
160	Nucleation in supersaturated solutions of $^3\text{He}$ in $^4\text{He}$ at negative pressures. <i>Physical Review B</i> , 1995, 52, 1210-1214.	3.2	3
161	Static polarizability associated with multipole surface plasmons in metallic surfaces. <i>Physical Review B</i> , 1995, 51, 7329-7332.	3.2	3
162	Density functional theory application to double quantum dots: Influence of mismatch on the addition energy spectra of vertical diatomic artificial molecules. <i>International Journal of Quantum Chemistry</i> , 2003, 91, 498-503.	2.0	3

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163	Critical frequency for vortex nucleation in Bose-Fermi mixtures in optical lattices. <i>Physical Review A</i> , 2005, 72, .	2.5	3
164	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
165	Ground state and infrared response of triple concentric quantum ring structures. <i>Physical Review B</i> , 2010, 82, .	3.2	3
166	Nucleation and cavitation in parahydrogen. <i>Chemical Physics</i> , 2012, 399, 213-217.	1.9	3
167	Electron Photo-ejection from Bubble States in Liquid 4He. <i>Journal of Low Temperature Physics</i> , 2013, 171, 171-177.	1.4	3
168	Friction, imaginary potential and nucleon jetting calculated from nucleon currents in semi-infinite nuclear matter. <i>Nuclear Physics A</i> , 1984, 428, 239-254.	1.5	2
169	Diving into the spinodal region. <i>Il Nuovo Cimento A</i> , 1991, 104, 611-614.	0.2	2
170	Thermally assisted quantum cavitation in liquid Helium. <i>European Physical Journal D</i> , 1996, 46, 389-390.	0.4	2
171	Ring Vortex Destabilization in Supersaturated 3He-4He Liquid Mixtures at Low Temperatures. <i>Journal of Low Temperature Physics</i> , 1998, 112, 303-319.	1.4	2
172	Structure and far-infrared edge modes of quantum antidots at zero magnetic field. <i>Physical Review B</i> , 1998, 58, 6732-6735.	3.2	2
173	Far-Infrared Excitations in an Antidot at Finite Magnetic Fields. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 518-524.	1.5	2
174	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
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