

# Marti Pi

## List of Publications by Year in descending order

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209  
papers

3,781  
citations

136950

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209  
docs citations

209  
times ranked

1346  
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 $^4\text{He}$ 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	$^3\text{He}$ nanodroplets. <i>Physical Review B</i> , 2020, 102, .	3.2	5
12	Rotating $^3\text{He}$ 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 $^4\text{He}$ 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 $^4\text{He}$ 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 4He-CH3I: A theoretical study. Journal of Chemical Physics, 2018, 149, 124301.	3.0	4
23	Spinning superfluid $^4\text{He}$ 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 $^4\text{He}$ 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	Helium Droplet-Mediated Deposition and Aggregation of Nanoscale Silver Clusters on Carbon Surfaces. Journal of Physical Chemistry C, 2017, 121, 22248-22257.	3.1	17
28	Head-on Collisions of Xe Atoms Against Superfluid $^4\text{He}$ Nanodroplets. Journal of Low Temperature Physics, 2017, 187, 439-445.	1.4	11
29	Capture of Xe and Ar atoms by quantized vortices in $^4\text{He}$ nanodroplets. Physical Chemistry Chemical Physics, 2017, 19, 24805-24818.	2.8	28
30	Dynamics of photoexcited Ba+ cations in $^4\text{He}$ nanodroplets. Journal of Chemical Physics, 2016, 144, 094302.	3.0	15
31	A Density Functional Approach to Para-hydrogen at Zero Temperature. Journal of Low Temperature Physics, 2016, 185, 26-38.	1.4	1
32	Communication: Unraveling the $^4\text{He}$ droplet-mediated soft-landing from ab initio-assisted and time-resolved density functional simulations: Au@ $^4\text{He}$ 300/TiO <sub>2</sub> (110). Journal of Chemical Physics, 2015, 142, 131101.	3.0	37
33	Vortex arrays in nanoscopic superfluid helium droplets. Physical Review B, 2015, 91, .	3.2	35
34	Vortex arrays in a rotating superfluid $^4\text{He}$ nanocylinder. Physical Review B, 2014, 90, .	3.2	17
35	Communication: A combined periodic density functional and incremental wave-function-based approach for the dispersion-accounting time-resolved dynamics of $^4\text{He}$ nanodroplets on surfaces: $^4\text{He}$ /graphene. Journal of Chemical Physics, 2014, 141, 151102.	3.0	34
36	Picosecond solvation dynamics of alkali cations in superfluid $^4\text{He}$ nanodroplets. Physical Review B, 2014, 90, .	3.2	33

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37	Communication: Nucleation of quantized vortex rings in 4He nanodroplets. Journal of Chemical Physics, 2014, 140, 131101.	3.0	29
38	Capture of heliophobic atoms by $^4\text{He}$ nanodroplets: the case of cesium. Physical Chemistry Chemical Physics, 2014, 16, 23206-23213.	2.8	24
39	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
40	Propagation of collective modes in non-overlapping dipolar Bose-Einstein Condensates. Journal of Physics: Conference Series, 2014, 497, 012035.	0.4	1
41	Critical Landau Velocity in Helium Nanodroplets. Physical Review Letters, 2013, 111, 153002.	7.8	66
42	Electron Photo-ejection from Bubble States in Liquid 4He. Journal of Low Temperature Physics, 2013, 171, 171-177.	1.4	3
43	Probing the interface of doped isotopically mixed helium droplets by the directional anisotropy of interatomic Coulombic decay. Physical Chemistry Chemical Physics, 2013, 15, 18167.	2.8	4
44	Translational dynamics of photoexcited atoms in 4He nanodroplets: the case of silver. Physical Chemistry Chemical Physics, 2013, 15, 18388.	2.8	42
45	A density functional study of the structure of small OCS@3HeN clusters. Journal of Chemical Physics, 2013, 138, 044321.	3.0	10
46	The structure of mixed 3He-4He droplets doped with OCS: A density functional approach. Journal of Chemical Physics, 2013, 139, 174308.	3.0	2
47	Helium mediated deposition: Modeling the He $\sim$ TiO $_2$ (110)-(1Å-1) 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
48	Configuration interaction approach to Fermi liquid $\leftrightarrow$ Wigner crystal mixed phases in semiconductor nanodumbbells. Journal of Applied Physics, 2012, 112, 024311.	2.5	2
49	Desorption of alkali atoms from 4He nanodroplets. Physical Chemistry Chemical Physics, 2012, 14, 3996.	2.8	48
50	Nucleation and cavitation in parahydrogen. Chemical Physics, 2012, 399, 213-217.	1.9	3
51	Cavitation of electron bubbles in liquid parahydrogen. Molecular Physics, 2011, 109, 2757-2762.	1.7	1
52	Toward a Density Functional Description of Liquid pH $_2$ . Journal of Physical Chemistry A, 2011, 115, 6910-6917.	2.5	6
53	Li atoms attached to helium nanodroplets. International Journal of Quantum Chemistry, 2011, 111, 400-405.	2.0	9
54	Absorption spectrum of atomic impurities in isotopic mixtures of liquid helium. Physical Review B, 2011, 83, .	3.2	20

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55	Phase slippage and self-trapping in a self-induced bosonic Josephson junction. Physical Review A, 2011, 84, .	2.5	30
56	A dipolar self-induced bosonic Josephson junction. Europhysics Letters, 2011, 94, 10004.	2.0	39
57	Excited electron-bubble states in superfluid 4He: A time-dependent density functional approach. Journal of Chemical Physics, 2011, 134, 044507.	3.0	32
58	Energy barriers for vortex nucleation in dipolar condensates. Laser Physics, 2010, 20, 1190-1196.	1.2	4
59	Infrared Absorption and Emission Spectrum of Electron Bubbles Attached to Linear Vortices in Liquid 4He. Journal of Low Temperature Physics, 2010, 158, 397-403.	1.4	5
60	Electron localization in few-electron concentric quantum rings. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 841-843.	2.7	5
61	Magnetic field induced electron transitions in concentric double quantum rings. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2608-2611.	0.8	3
62	Motion of electrons in liquid $H$ Physical Review B, 2010, 82, .	3.2	12
63	Mixed correlation phases in elongated quantum dots. Physical Review B, 2010, 82, .	3.2	5
64	Dielectric confinement in quantum dots of arbitrary shape within the local spin density approximation: Diluted regimes in elongated quantum dots. Journal of Applied Physics, 2010, 108, 064311.	2.5	0
65	Ground state and infrared response of triple concentric quantum ring structures. Physical Review B, 2010, 82, .	3.2	3
66	Evolution of the excited electron bubble in liquid $H$ and the appearance of fission-like processes. Physical Review B, 2010, 81, .	3.2	19
67	HELIUM ON NANOPATTERNED SURFACES AT FINITE TEMPERATURE. International Journal of Modern Physics B, 2010, 24, 4915-4922.	2.0	0
68	Dipolar condensates confined in a toroidal trap: Ground state and vortices. Physical Review A, 2010, 81, .	2.5	53
69	Absorption Spectrum of Na Atoms Attached to Helium Nanodroplets. Journal of Low Temperature Physics, 2010, 158, 105-111.	1.4	27
70	Helium on planar and nanostructured alkali-metal surfaces. Physical Review B, 2009, 79, .	3.2	18
71	Magnetoconductivity of quantum dots with Rashba interaction. Physical Review B, 2009, 79, .	3.2	10
72	Vortices in Bose-Einstein condensates with dominant dipolar interactions. Physical Review A, 2009, 79, .	2.5	50

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73	Negative impurity ions in liquid $\text{H}^+$ . <i>Physical Review Letters</i> , 2009, 102, 155701. Calcium atoms attached to mixed helium droplets: A probe for the $\text{Ca}^+$ ion. <i>Physical Review Letters</i> , 2009, 102, 155702.	3.2	5
74	Helium in Nanoconfinement: Interplay Between Geometry and Wetting Behavior. <i>Journal of Low Temperature Physics</i> , 2009, 157, 174-205.	3.2	28
75	Helium in Nanoconfinement: Interplay Between Geometry and Wetting Behavior. <i>Journal of Low Temperature Physics</i> , 2009, 157, 174-205.	1.4	16
76	Solvation onset of Ca in mixed helium droplets. <i>European Physical Journal D</i> , 2009, 52, 63-66.	1.3	9
77	Isomeric electronic states in concentric quantum rings. <i>Physical Review B</i> , 2009, 79, .	3.2	8
78	Quantum Monte Carlo study of few-electron concentric double quantum rings. <i>Physical Review B</i> , 2009, 79, .	3.2	13
79	From quantum dots to quantum wires: Electronic structure of semiconductor nanorods. <i>Physical Review B</i> , 2009, 80, .	3.2	21
80	Spectrum of a $^3\text{He}$ atom in a $\text{Ca}@^4\text{He}_{50}$ droplet. <i>Journal of Physics: Conference Series</i> , 2009, 150, 032051.	0.4	2
81	Complex solvation of Mg atoms in $^4\text{He}$ nanodroplets. <i>Journal of Physics: Conference Series</i> , 2009, 150, 032003.	0.4	2
82	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
83	Vortex rings in toroidal Bose-Einstein condensates. <i>Laser Physics</i> , 2008, 18, 648-652.	1.2	7
84	HELIUM IN PORES AND IRREGULAR SURFACES. <i>International Journal of Modern Physics B</i> , 2008, 22, 4338-4345.	2.0	1
85	Density functional theory of the structure of magnesium-doped helium nanodroplets. <i>Physical Review B</i> , 2008, 78, .	3.2	49
86	Helium in polygonal nanopores at zero temperature: Density functional theory calculations. <i>Physical Review B</i> , 2008, 77, .	3.2	6
87	Absorption spectrum of Ca atoms attached to $^4\text{He}$ nanodroplets. <i>Physical Review B</i> , 2008, 77, .	3.2	35
88	Isospin phases of vertically coupled double quantum rings under the influence of perpendicular magnetic fields. <i>Physical Review B</i> , 2008, 78, .	3.2	5
89	ADHESIVE FORCES ON HELIUM IN NONTRIVIAL GEOMETRIES. , 2008, , .		1
90	HELIUM IN PORES AND IRREGULAR SURFACES. , 2008, , .		0

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91	CONDENSATION OF HELIUM IN WEDGES. International Journal of Modern Physics B, 2007, 21, 2067-2076.	2.0	1
92	Explosion of electron bubbles attached to quantized vortices in liquid He4. Journal of Chemical Physics, 2007, 126, 244502.	3.0	25
93	Adsorption potentials for nonplanar geometries. Physical Review B, 2007, 76, .	3.2	9
94	Nonparabolicity and dielectric effects on addition energy spectra of spherical nanocrystals. Journal of Applied Physics, 2007, 102, .	2.5	6
95	Addition energies and density dipole response of quantum rings under the influence of in-plane electric fields. Physical Review B, 2007, 76, .	3.2	1
96	Effective mass and dielectric constant mismatch effects in spherical multishell quantum dots. Physical Review B, 2007, 75, .	3.2	13
97	The Structure and Energetics of $^3\text{He}$ and $^4\text{He}$ Nanodroplets Doped with Alkaline Earth Atoms. Journal of Physical Chemistry A, 2007, 111, 7303-7308.	2.5	54
98	Squeezing a Helium Nanodroplet with a Rydberg Electron. Journal of Physical Chemistry A, 2007, 111, 12695-12701.	2.5	22
99	Exchange-correlation effects on quantum wires with spin-orbit interactions under the influence of in-plane magnetic fields. Physical Review B, 2007, 76, .	3.2	14
100	Novel Aspects of Wedge Filling by Liquid Helium. Journal of Low Temperature Physics, 2007, 148, 851-855.	1.4	8
101	Freezing of Helium-4: Comparison of Different Density Functional Approaches. Journal of Low Temperature Physics, 2007, 148, 731-736.	1.4	7
102	Spin-orbit effects in GaAs quantum wells: Interplay between Rashba, Dresselhaus, and Zeeman interactions. Physical Review B, 2006, 74, .	3.2	31
103	Electronic structure of few-electron concentric double quantum rings. Physical Review B, 2006, 73, .	3.2	35
104	Vertical homonuclear quantum ring molecules. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3652-3655.	0.8	0
105	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
106	Bose-Fermi mixtures in optical lattices. Laser Physics, 2006, 16, 360-366.	1.2	4
107	Helium Nanodroplets: An Overview. Journal of Low Temperature Physics, 2006, 142, 1-81.	1.4	262
108	Spin-orbit effects on the Larmor dispersion relation in GaAs quantum wells. Physical Review B, 2006, 73, .	3.2	6

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109	Electron bubbles in liquid helium: Density functional calculations of infrared absorption spectra. Physical Review B, 2006, 73, .	3.2	36
110	Vertically coupled double quantum rings at zero magnetic field. Physical Review B, 2006, 73, .	3.2	11
111	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
112	Condensation of helium in nanoscopic alkali wedges at zero temperature. Physical Review B, 2006, 73, .	3.2	12
113	INFRARED-ABSORPTION SPECTRUM OF ELECTRON BUBBLES IN LIQUID HELIUM. International Journal of Modern Physics B, 2006, 20, 5291-5300.	2.0	2
114	INFRARED-ABSORPTION SPECTRUM OF ELECTRON BUBBLES IN LIQUID HELIUM. , 2006, , .		0
115	Freezing of He4 and its liquid-solid interface from density functional theory. Physical Review B, 2005, 72, .	3.2	67
116	Alkali Atoms attached to 3He Nanodroplets. Journal of Low Temperature Physics, 2005, 138, 229-234.	1.4	22
117	Explosion of Electron Bubbles in Liquid 4He Revisited. Journal of Low Temperature Physics, 2005, 138, 463-468.	1.4	1
118	Cavitation of Electron Bubbles in Liquid Helium Below Saturation Pressure. Journal of Low Temperature Physics, 2005, 139, 397-417.	1.4	17
119	Ground state structure and conductivity of quantum wires of infinite length and finite width. Physical Review B, 2005, 72, .	3.2	11
120	Critical frequency for vortex nucleation in Bose-Fermi mixtures in optical lattices. Physical Review A, 2005, 72, .	2.5	3
121	Magnetic-field dependence of hole levels in self-assembled InGaAs quantum dots. Physical Review B, 2005, 72, .	3.2	12
122	Shell structure in mixed $^3\text{He} \sim ^4\text{He}$ droplets. Physical Review A, 2004, 69, .	2.5	9
123	Surface location of sodium atoms attached to He3 nanodroplets. Physical Review B, 2004, 70, .	3.2	36
124	K-Rb Fermi-Bose mixtures: Vortex states and sag. Physical Review A, 2004, 70, .	2.5	29
125	Density modes in spherical He4 shells. Physical Review B, 2004, 69, .	3.2	8
126	A New Class of 1D States for Liquid $^3\text{He}$ . Journal of Low Temperature Physics, 2004, 134, 781-786.	1.4	2



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127	Finite Size Effects in Adsorption of Helium Mixtures by Alkali Substrates. Journal of Low Temperature Physics, 2004, 136, 139-157.	1.4	6
128	Integer filling factor phases in vertical diatomic artificial molecules. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 502-505.	2.7	0
129	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
130	Integer filling factor phases and isospin in vertical diatomic artificial molecules. Physical Review B, 2004, 70, .	3.2	13
131	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
132	Bound States of He3 at the Edge of a He4 Drop on a Cesium Surface. Physical Review Letters, 2003, 90, 185301.	7.8	14
133	Helium nanodroplets. Nuclear Physics News, 2003, 13, 24-28.	0.4	0
134	Vertical diatomic artificial molecule in the intermediate-coupling regime in a parallel and perpendicular magnetic field. Physical Review B, 2003, 67, .	3.2	26
135	From nonwetting to prewetting: The asymptotic behavior of He4 droplets on alkali substrates. Physical Review B, 2003, 68, .	3.2	19
136	Probing Vortices in He4 Nanodroplets. Physical Review Letters, 2003, 91, 105302.	7.8	32
137	Generating vortex rings in Bose-Einstein condensates in the line-source approximation. Physical Review A, 2002, 65, .	2.5	14
138	Cavitation in 3He-4He Liquid Mixtures. , 2002, , 161-174.		0
139	Spin features in the Raman spectrum of nanoscopic rings. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 787-789.	2.7	0
140	Influence of mismatch on the addition energy spectra of vertical diatomic artificial molecules. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 896-899.	2.7	2
141	Pinning of Quantized Vortices in Mixed 3He-4He Droplets. Journal of Low Temperature Physics, 2002, 126, 281-286.	1.4	4
142	CAVITATION IN LIQUID HELIUM. Series on Advances in Quantum Many-body Theory, 2002, , 319-355.	0.2	7
143	Vertical diatomic artificial quantum dot molecules. , 2002, , 65-84.		0
144	Multipole modes and spin features in the Raman spectrum of nanoscopic quantum rings. Physical Review B, 2001, 64, .	3.2	31

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145	Dissociation of Vertical Semiconductor Diatomic Artificial Molecules. <i>Physical Review Letters</i> , 2001, 87, 066801.	7.8	73
146	Vertically coupled quantum dots in the local spin-density functional theory. <i>Physical Review B</i> , 2001, 63, .	3.2	29
147	Far-Infrared Excitations in an Antidot at Finite Magnetic Fields. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 518-524.	1.5	2
148	Experimental and theoretical study of the radial density distributions of large <sup>3</sup> He droplets. <i>Physical Review B</i> , 2001, 63, .	3.2	40
149	Quantized Vortices in Mixed <sup>3</sup> He- <sup>4</sup> He Drops. <i>Physical Review Letters</i> , 2001, 87, 145301.	7.8	22
150	Quantum cavitation in liquid helium: dissipation effects. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 214-215.	2.7	0
151	Vortices in Doped <sup>4</sup> He Clusters. <i>Journal of Low Temperature Physics</i> , 2000, 121, 423-428.	1.4	4
152	Pinning of Quantized Vortices in Helium Drops by Dopant Atoms and Molecules. <i>Physical Review Letters</i> , 2000, 85, 1028-1031.	7.8	47
153	Wave-vector dependence of spin and density multipole excitations in quantum dots. <i>Physical Review B</i> , 2000, 61, 8289-8297.	3.2	17
154	Far-infrared spectroscopy of nanoscopic InAs rings. <i>Physical Review B</i> , 2000, 62, 4573-4577.	3.2	76
155	Structure of Large <sup>3</sup> He- <sup>4</sup> He Mixed Drops around a Dopant Molecule. <i>Physical Review Letters</i> , 1999, 82, 3093-3096.	7.8	53
156	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
157	Quantum cavitation in liquid <sup>3</sup> He: Dissipation effects. <i>Physical Review B</i> , 1999, 60, 3048-3051.	3.2	8
158	Nucleation in Dilute <sup>3</sup> He- <sup>4</sup> He Liquid Mixtures at Low Temperatures. <i>Journal of Low Temperature Physics</i> , 1999, 117, 81-100.	1.4	5
159	Density-functional calculations of magnetoplasmons in quantum rings. <i>Physical Review B</i> , 1999, 59, 15301-15307.	3.2	34
160	Transverse dipole spin modes in quantum dots. <i>Physical Review B</i> , 1999, 60, 8734-8742.	3.2	12
161	Longitudinal modes of quantum dots in magnetic fields. , 1999, , 643-646.		1
162	Ring Vortex Destabilization in Supersaturated <sup>3</sup> He- <sup>4</sup> He Liquid Mixtures at Low Temperatures. <i>Journal of Low Temperature Physics</i> , 1998, 112, 303-319.	1.4	2

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163	Structure and far-infrared edge modes of quantum antidots at zero magnetic field. Physical Review B, 1998, 58, 6732-6735.	3.2	2
164	Current-density-functional approach to large quantum dots in intense magnetic fields. Physical Review B, 1998, 57, 14783-14792.	3.2	26
165	Thermally assisted quantum cavitation in solutions of $^3\text{He}$ in $^4\text{He}$ . Europhysics Letters, 1997, 38, 601-606.	2.0	4
166	Far-infrared edge modes in quantum dots. Physical Review B, 1997, 56, 12375-12385.	3.2	26
167	Structure and energetics of mixed $^4\text{He}$ - $^3\text{He}$ drops. Physical Review B, 1997, 56, 8997-9003.	3.2	275
168	Stability of vortex lines in liquid $^4\text{He}$ mixtures at zero temperature. Physical Review B, 1997, 55, 11092-11095.	3.2	9
169	Thermally assisted quantum cavitation in liquid Helium. European Physical Journal D, 1996, 46, 389-390.	0.4	2
170	Quantum cavitation in liquid helium. Physical Review B, 1996, 54, 16135-16138.	3.2	26
171	COLD NEUTRON AND NUCLEAR MATTER WITH EFFECTIVE AND REALISTIC INTERACTIONS. International Journal of Modern Physics E, 1996, 05, 353-364.	1.0	1
172	Helium clusters at finite temperature. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1995, 35, 199-216.	1.0	4
173	$^3\text{He}$ - $^3\text{He}$ drop collisions in the Vlasov dynamics. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1995, 34, 35-46.	1.0	8
174	Nucleation in supersaturated solutions of $^3\text{He}$ in $^4\text{He}$ at negative pressures. Physical Review B, 1995, 52, 1210-1214.	3.2	3
175	Static polarizability associated with multipole surface plasmons in metallic surfaces. Physical Review B, 1995, 51, 7329-7332.	3.2	3
176	Critical supersaturation of $^4\text{He}$ liquid mixtures at low temperatures. Physical Review B, 1995, 51, 11981-11983.	3.2	20
177	Cavitation in $^4\text{He}$ liquid mixtures at low temperatures. Physical Review B, 1995, 51, 1140-1146.	3.2	15
178	Static aspects of the fission and fusion of $^3\text{He}$ drops. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 25, 227-232.	1.0	8
179	Fission and fusion of $^3\text{He}$ drops. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 385-387.	1.0	4
180	Thermal nucleation of cavities in liquid helium at negative pressures. Physical Review B, 1993, 47, 9116-9119.	3.2	33

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181	Thermal nucleation and cavitation in He <sub>3</sub> and He <sub>4</sub> . Physical Review B, 1993, 48, 16582-16588.	3.2	25
182	Electronic surface excitations of cavities in metals. Physical Review B, 1992, 46, 9369-9379.	3.2	15
183	A density functional model for the surface properties of liquid He <sub>4</sub> . Journal of Physics Condensed Matter, 1992, 4, 667-678.	1.8	21
184	Dipole surface plasmon in K+N clusters. Solid State Communications, 1992, 84, 905-909.	1.9	0
185	Quasi-fusion of <sup>139</sup> La + <sup>12</sup> C at intermediate energies?. Nuclear Physics A, 1991, 524, 537-560.	1.5	4
186	Diving into the spinodal region. Il Nuovo Cimento A, 1991, 104, 611-614.	0.2	2
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