Mei-Yin Chou

List of Publications by Year
in descending order

169	15,128	26610 56	17580 121
papers	citations	h-index	g-index

171	171	171	15171
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic Shell Structure and Abundances of Sodium Clusters. Physical Review Letters, 1984, 52, 2141-2143.	2.9	2,227
2	Janus monolayers of transition metal dichalcogenides. Nature Nanotechnology, 2017, 12, 744-749.	15.6	1,459
3	Ultrahigh-Gain Photodetectors Based on Atomically Thin Graphene-MoS2 Heterostructures. Scientific Reports, 2014, 4, 3826.	1.6	771
4	Determination of band alignment in the single-layer MoS2/WSe2 heterojunction. Nature Communications, 2015, 6, 7666.	5.8	524
5	Quantum Confinement and Electronic Properties of Silicon Nanowires. Physical Review Letters, 2004, 92, 236805.	2.9	468
6	Structural and Electronic Properties of Oxidized Graphene. Physical Review Letters, 2009, 103, 086802.	2.9	463
7	Interlayer couplings, MoirÃ© patterns, and 2D electronic superlattices in MoS ₂ /WSe ₂ hetero-bilayers. Science Advances, 2017, 3, e1601459.	4.7	414
8	Oxidation functional groups on graphene: Structural and electronic properties. Physical Review B, 2010, 82, .	1.1	328
9	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mathvariant="normal">P</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>and other topological semimetals with line nodes and drumhead surface states. Physical Review B, 2016, 93, .	1.1	312
10	Ultrahigh thermoelectric performance in Cu₂Se-based hybrid materials with highly dispersed molecular CNTs. Energy and Environmental Science, 2017, 10, 1928-1935.	15.6	298
11	Persistent Superconductivity in Ultrathin Pb Films: A Scanning Tunneling Spectroscopy Study. Physical Review Letters, 2006, 96, 027005.	2.9	257
12	Theory of quantum size effects in thin Pb(111) films. Physical Review B, 2002, 66, .	1.1	253
13	Ab initiocalculation of force constants and full phonon dispersions. Physical Review Letters, 1992, 69, 2799-2802.	2.9	223
14	Charge density wave transition in single-layer titanium diselenide. Nature Communications, 2015, 6, 8943.	5.8	208
15	Electron-Hole Coupling and the Charge Density Wave Transition inTiSe2. Physical Review Letters, 2002, 88, 226402.	2.9	199
16	Phonon dispersions and vibrational properties of monolayer, bilayer, and trilayer graphene: Density-functional perturbation theory. Physical Review B, 2008, 77, .	1.1	196
17	Alternative Low-Symmetry Structure for 13-Atom Metal Clusters. Physical Review Letters, 2004, 93, 133401.	2.9	195
18	Total energies, abundances, and electronic shell structure of lithium, sodium, and potassium clusters. Solid State Communications, 1984, 52, 645-648.	0.9	181

#	Article	IF	Citations
19	Stability and electronic properties of two-dimensional silicene and germanene on graphene. Physical Review B, 2013, 88, .	1.1	173
20	Quantum Electronic Stability of Atomically Uniform Films. Science, 2001, 292, 1131-1133.	6.0	155
21	Thermal Stability and Electronic Structure of Atomically Uniform Pb Films on Si(111). Physical Review Letters, 2004, 93, 026802.	2.9	152
22	Physics of metal clusters. The Journal of Physical Chemistry, 1987, 91, 3141-3149.	2.9	148
23	Electronic shell structure in simple metal clusters. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 113, 420-424.	0.9	142
24	Unique Gap Structure and Symmetry of the Charge Density Wave in Single-Layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>VSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Physical Review Letters, 2018, 121, 196402.	2.9	139
25	Effects of Metallic Contacts on Electron Transport through Graphene. Physical Review Letters, 2010, 104, 076807.	2.9	138
26	Wavelets in Self-Consistent Electronic Structure Calculations. Physical Review Letters, 1996, 76, 2650-2653.	2.9	135
27	X-Ray Studies of Phonon Softening inTiSe2. Physical Review Letters, 2001, 86, 3799-3802.	2.9	130
28	Ab initiostudy of structural and electronic properties of beryllium. Physical Review B, 1983, 28, 4179-4185.	1.1	124
29	Exchange and correlation in silicon. Physical Review B, 1998, 57, 8972-8982.	1.1	117
30	Large quantum-spin-Hall gap in single-layer 1Tâ€² WSe2. Nature Communications, 2018, 9, 2003.	5.8	117
31	Theoretical study of stacking faults in silicon. Physical Review B, 1985, 32, 7979-7987.	1.1	115
32	Electron-phonon coupling in two-dimensional silicene and germanene. Physical Review B, 2013, 88, .	1.1	103
33	Spin texture in type-II Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review B, 2016, 94, .	1.1	103
34	Total-energy study of hydrogen ordering inPdHx(0â©½xâ©½1). Physical Review B, 1996, 53, 1-4.	1.1	101
35	Size and orientation dependence in the electronic properties of silicon nanowires. Physical Review B, 2007, 76, .	1.1	101
36	Elimination of Coulomb finite-size effects in quantum many-body simulations. Physical Review B, 1997, 55, R4851-R4854.	1.1	99

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37	Elemental Topological Dirac Semimetal: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math> -Sn on InSb(111). Physical Review Letters, 2017, 118, 146402.	2.9	98
38	Phonon dispersions of silicon and germanium from first-principles calculations. Physical Review B, 1994, 50, 2221-2226.	1.1	94
39	Gapped electronic structure of epitaxial stanene on InSb(111). Physical Review B, 2018, 97, .	1.1	91
40	Emergence of charge density waves and a pseudogap in single-layer TiTe2. Nature Communications, 2017, 8, 516.	5.8	90
41	Atomic-layer-resolved quantum oscillations in the work function:â€ƒ Theory and experiment for Ag/Fe(100). Physical Review B, 2002, 66, .	1.1	89
42	Fractal Landau-Level Spectra in Twisted Bilayer Graphene. Nano Letters, 2012, 12, 3833-3838.	4.5	85
43	Alternating Layer and Island Growth of Pb on Si by Spontaneous Quantum Phase Separation. Physical Review Letters, 2003, 90, 076104.	2.9	84
44	First-principles study ofNaAlH4andNa3AlH6complex hydrides. Physical Review B, 2004, 70, .	1.1	80
45	Stable 1T Tungsten Disulfide Monolayer and Its Junctions: Growth and Atomic Structures. ACS Nano, 2018, 12, 12080-12088.	7.3	74
46	Alkali metal clusters and the jellium model. Chemical Physics Letters, 1987, 134, 1-5.	1.2	73
47	Continuum theory for lumping nonlinear reactions. AICHE Journal, 1988, 34, 1519-1527.	1.8	72
48	Tight-binding model with intra-atomic matrix elements. Physical Review B, 1994, 49, 8506-8509.	1.1	69
49	Quantum confinement effect in Si/Ge core-shell nanowires: First-principles calculations. Physical Review B, 2008, 77, .	1.1	69
50	Quantum Monte Carlo Investigation of Exchange and Correlation in Silicon. Physical Review Letters, 1997, 78, 3350-3353.	2.9	65
51	Enhanced electron-hole interaction and optical absorption in a silicon nanowire. Physical Review B, 2007, 75, .	1.1	65
52	First-principles study of hydrogen adsorption on Ru(0001): Possible occupation of subsurface sites. Physical Review Letters, 1987, 59, 1737-1740.	2.9	64
53	Ab initiocalculation of thermodynamic properties of silicon. Physical Review B, 1994, 50, 14587-14590.	1.1	64
54	Peierls distortion in hexagonalYH3. Physical Review Letters, 1993, 71, 1226-1229.	2.9	62

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55	Tight-binding total-energy models for silicon and germanium. Physical Review B, 1993, 47, 9366-9376.	1.1	62
56	Quantum size effects on the work function of metallic thin film nanostructures. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12761-12765.	3.3	61
57	Dimensional Effects on the Charge Density Waves in Ultrathin Films of TiSe₂. Nano Letters, 2016, 16, 6331-6336.	4.5	61
58	Electronic shell structure of simple metal heteroclusters. Physical Review B, 1987, 36, 3455-3458.	1.1	58
59	Density of states for an electron in a correlated Gaussian random potential: Theory of the Urbach tail. Physical Review B, 1988, 37, 6963-6976.	1.1	56
60	Effect of hydrogen on the surface-energy anisotropy of diamond and silicon. Physical Review B, 1998, 57, 6262-6265.	1.1	56
61	Bandgap renormalization and work function tuning in MoSe2/hBN/Ru(0001) heterostructures. Nature Communications, 2016, 7, 13843.	5.8	55
62	Angle-resolved photoemission study of the electronic structure of beryllium: Bulk band dispersions and many-electron effects. Physical Review B, 1984, 30, 5500-5507.	1.1	54
63	Structural and electronic properties of hexagonal yttrium trihydride. Physical Review B, 1995, 51, 7500-7507.	1.1	52
64	Theoretical study of hydrogen adsorption on Ru(0001): Possible surface and subsurface occupation sites. Physical Review B, 1989, 39, 5623-5631.	1.1	48
65	Lumping coupled nonlinear reactions in continuous mixtures. AICHE Journal, 1989, 35, 533-538.	1.8	45
66	Electronic and structural properties of elemental copper: A pseudopotentialâ€“local-orbital calculation. Physical Review B, 1988, 38, 7966-7971.	1.1	44
67	Electron-phonon interactions for optical-phonon modes in few-layer graphene: First-principles calculations. Physical Review B, 2009, 79, .	1.1	44
68	End-Bonded Metal Contacts on WSe₂ Field-Effect Transistors. ACS Nano, 2019, 13, 8146-8154.	7.3	44
69	Ultrafast Monolayer In/Gr-WS₂-Gr Hybrid Photodetectors with High Gain. ACS Nano, 2019, 13, 3269-3279.	7.3	44
70	Epitaxial Growth of Two-Dimensional Insulator Monolayer Honeycomb BeO. ACS Nano, 2021, 15, 2497-2505.	7.3	42
71	Strain engineering a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>a</mml:mi><mml:mo>Ã—</mml:mo> charge-density-wave phase in transition-metal dichalcogenide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi mathvariant="normal">T</mml:mi><mml:mtext>â€“</mml:mtext><mml:mi>VS</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mm. Physical Review Materials, 2017, 1, .	0.9	42
72	Band tails, path integrals, instantons, polarons, and all that. IBM Journal of Research and Development, 1988, 32, 82-92.	3.2	41

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73	Strong Asymmetric Charge Carrier Dependence in Inelastic Electron Tunneling Spectroscopy of Graphene Phonons. Physical Review Letters, 2015, 114, 245502.	2.9	41
74	Hidden Order and Dimensional Crossover of the Charge Density Waves in TiSe2. Scientific Reports, 2016, 6, 37910.	1.6	40
75	Thermoelectric Figure-of-Merit of Fully Dense Single-Crystalline SnSe. ACS Omega, 2019, 4, 5442-5450.	1.6	40
76	Theoretical study of hydrogen-covered diamond (100) surfaces: A chemical-potential analysis. Physical Review B, 1997, 55, 9975-9982.	1.1	38
77	Phase Relations Associated with One-Dimensional Shell Effects in Thin Metal Films. Physical Review Letters, 2009, 102, 236803.	2.9	38
78	Fermi surfaces and energy gaps in Sn/Ge(111). Journal of Physics Condensed Matter, 2002, 14, R1-R20.	0.7	37
79	Hydrogenation-Induced Insulating State in the Intermetallic CompoundLaMg2Ni. Physical Review Letters, 2005, 94, 066403.	2.9	37
80	Effects of electrostatic fields and charge doping on the linear bands in twisted graphene bilayers. Physical Review B, 2011, 84, .	1.1	37
81	Compton Profile of Beryllium. Physical Review Letters, 1982, 49, 1452-1455.	2.9	36
82	Ab initio calculation of the static structural properties of Be. Solid State Communications, 1982, 42, 861-863.	0.9	35
83	Effects of the substrate on quantum well states: A first-principles study for Ag/Fe(100). Physical Review B, 2003, 68, .	1.1	35
84	First-principles determination of equilibrium crystal shapes for metals atT=0. Physical Review B, 1994, 50, 4859-4862.	1.1	34
85	Temperature- and pressure-induced crystal phase transitions in Be. Journal of Physics C: Solid State Physics, 1984, 17, 2065-2073.	1.5	33
86	Sn/Ge(111)Surface Charge-Density-Wave Phase Transition. Physical Review Letters, 2000, 85, 3684-3687.	2.9	33
87	Tuning Band Gap and Work Function Modulations in Monolayer hBN/Cu(111) Heterostructures with MoirÃ© Patterns. ACS Nano, 2018, 12, 9355-9362.	7.3	33
88	Theoretical Compton profiles of graphite andLiC6. Physical Review B, 1986, 33, 6619-6626.	1.1	29
89	First-principles studies of quasiparticle band structures of cubicYH3andLaH3. Physical Review B, 2003, 67, .	1.1	29
90	Ab initio study of the structural properties of magnesium. Solid State Communications, 1986, 57, 785-788.	0.9	27

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91	First-principles study of hydrogen ordering in Î²-YH2+x. Physical Review B, 1994, 49, 6481-6489.	1.1	27
92	Topological Properties of Gapped Graphene Nanoribbons with Spatial Symmetries. Nano Letters, 2018, 18, 7254-7260.	4.5	27
93	In Situ Strain Tuning of the Dirac Surface States in Bi₂Se₃ Films. Nano Letters, 2018, 18, 5628-5632.	4.5	27
94	Size- and Strain-Dependent Electronic Structures in H-Passivated Si [112] Nanowires. Journal of Physical Chemistry C, 2008, 112, 15680-15683.	1.5	25
95	Electronic and vibrational properties ofÎ³â^'AlH3. Physical Review B, 2008, 77, .	1.1	25
96	Energetics and lattice contraction of Î²-phaseYH2+x. Physical Review B, 1994, 49, 10731-10734.	1.1	24
97	Pseudopotential plane-wave study of Î±-YHx. Physical Review B, 1994, 49, 13357-13365.	1.1	23
98	Continuous feedback approach for controlling chaos. Physical Review E, 1994, 50, 2331-2334.	0.8	23
99	First-principles study of cation and hydrogen arrangements in the Li-Mg-N-H hydrogen storage system. Physical Review B, 2007, 76, .	1.1	23
100	First-principles study of the H-induced reconstruction of W(110). Physical Review B, 1996, 53, 13734-13739.	1.1	22
101	Structural properties of the Ru(0001) surface. Physical Review B, 1987, 35, 2124-2127.	1.1	21
102	Quantum size effect in Pb(100) films: Critical role of crystal band structure. Physical Review B, 2007, 75, .	1.1	21
103	Tailoring Semiconductor Lateral Multijunctions for Giant Photoconductivity Enhancement. Advanced Materials, 2017, 29, 1703680.	11.1	21
104	Energetics of the Si(111) and Ge(111) surfaces and the effect of strain. Physical Review B, 1993, 48, 5374-5385.	1.1	20
105	Role of hydrogen inSiH2adsorption on Si(100). Physical Review B, 1998, 58, R13363-R13366.	1.1	20
106	Diffusion of Si and C atoms on and between graphene layers. Journal Physics D: Applied Physics, 2012, 45, 455309.	1.3	20
107	Electron momentum distribution in graphite and lithium-intercalated graphite. Physical Review B, 1984, 30, 1062-1064.	1.1	19
108	Tight-binding study of the electronic structure of amorphous silicon. Physical Review B, 1991, 43, 6768-6771.	1.1	19

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109	Lattice dynamics and thermodynamic properties ofNaAlH4: Density-functional calculations using a linear response theory. Physical Review B, 2006, 73, .	1.1	19
110	Beyond the local approximation to exchange and correlation: The role of the Laplacian of the density in the energy density of Si. Physical Review B, 2006, 74, .	1.1	19
111	Lattice Vibrational Modes and their Frequency Shifts in Semiconductor Nanowires. Nano Letters, 2011, 11, 2618-2621.	4.5	19
112	Hydrogen Interaction with the Al Surface Promoted by Subsurface Alloying with Transition Metals. Journal of Physical Chemistry C, 2012, 116, 18663-18668.	1.5	19
113	Catalytic effect of near-surface alloying on hydrogen interaction on the aluminum surface. Physical Review B, 2011, 83, .	1.1	18
114	Charge Transport through Graphene Junctions with Wetting Metal Leads. Nano Letters, 2012, 12, 3424-3430.	4.5	18
115	Coupled Dirac Fermions and Neutrino-like Oscillations in Twisted Bilayer Graphene. Nano Letters, 2013, 13, 5159-5164.	4.5	18
116	Enhanced optical conductivity induced by surface states in ABC-stacked few-layer graphene. Physical Review B, 2011, 83, .	1.1	17
117	Calculation of the Compton profile of beryllium. Physical Review B, 1983, 28, 1696-1700.	1.1	16
118	Phase diagram of graphene nanoribbons and band-gap bifurcation of Dirac fermions under quantum confinement. Physical Review B, 2012, 85, .	1.1	16
119	A new ab initio potential energy surface for hydrogen atom on ruthenium(0001) and its use for variational transition state theory and semiclassical tunneling calculations of the surface diffusion of hydrogen and deuterium. The Journal of Physical Chemistry, 1990, 94, 1973-1981.	2.9	15
120	Comment on â€˜â€˜Should all surfaces be reconstructed?â€™â€™. Physical Review Letters, 1993, 71, 461-461.	2.9	15
121	Surface passivation and orientation dependence in the electronic properties of silicon nanowires. Journal of Physics Condensed Matter, 2013, 25, 145501.	0.7	15
122	Comparative study of density-functional theories of the exchange-correlation hole and energy in silicon. Physical Review B, 2001, 64, .	1.1	14
123	Path to Wigner localization in circular quantum dots. Physical Review B, 2009, 79, .	1.1	14
124	LaMg2PdH7, a new complex metal hydride containing tetrahedral [PdH4]4â^' anions. Journal of Alloys and Compounds, 2007, 446-447, 34-38.	2.8	13
125	Low-lying spectra of massless Dirac electron in magnetic dot and ring. Applied Physics Letters, 2010, 96, 212101.	1.5	12
126	Pressure-induced antiferrodistortive phase transition in SrTiO ₃ : Common scaling of soft-mode with pressure and temperature. Europhysics Letters, 2014, 107, 36006.	0.7	12

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127	Liquidlike Cu atom diffusion in weakly ionic compounds <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:mrow><mml:mathvariant="normal">S</mml:mi></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math>. Physical Review B, 2020, 102, .	1.1	12
128	Pair-tunneling states in semiconductor quantum dots: Ground-state behavior in a magnetic field. Physical Review B, 1998, 57, 12281-12284.	1.1	11
129	Exchange and correlation in the Si atom: â€‚A quantum Monte Carlo study. Physical Review A, 2001, 64, .	1.0	11
130	Anomalous phase relations of quantum size effects in ultrathin Pb films on Si(111). Physical Review B, 2013, 87, .	1.1	11
131	Elastic jellium sphere in a static electric field. Physical Review B, 1986, 34, 732-739.	1.1	10
132	Pseudopotential plane-wave calculation of the structural properties of yttrium. Physical Review B, 1991, 44, 10339-10342.	1.1	10
133	Comment on â€œDetermination of Phonon Dispersions from X-Ray Transmission Scattering: The Example of Siliconâ€. Physical Review Letters, 2000, 84, 3733-3733.	2.9	10
134	Theory of valley-dependent transport in graphene-based lateral quantum structures. Physical Review B, 2016, 94, .	1.1	10
135	Electrical valley filtering in transition metal dichalcogenides. Physical Review Materials, 2018, 2, .	0.9	10
136	Ab initiopseudopotentialâ€“local-density description of the structural properties of small carbon clusters. Physical Review B, 1988, 37, 6504-6507.	1.1	9
137	Exchange-correlation energy in molecules: A variational quantum Monte Carlo study. Physical Review A, 2006, 74, .	1.0	9
138	Low-energy ordered structures of Li2Mg(NH)2. Journal of Applied Physics, 2008, 104, 083519.	1.1	9
139	First-principles investigation of sodium and lithium alloyed alanates. Journal of Alloys and Compounds, 2009, 479, 678-683.	2.8	9
140	Quantum Monte Carlo investigations of adsorption energetics on graphene. Journal of Physics Condensed Matter, 2012, 24, 395002.	0.7	8
141	Theoretical study of quantum size effects in thin Al(100), Al(110), and Al(111) films. Physical Review B, 2019, 99, .	1.1	8
142	Kiddet al.Reply:. Physical Review Letters, 2002, 88, .	2.9	7
143	Zhaoet al.Reply:. Physical Review Letters, 2005, 94, .	2.9	7
144	Coherent Electronic Band Structure of TiTe₂/TiSe₂ MoirÃ© Bilayer. ACS Nano, 2021, 15, 3359-3364.	7.3	7

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145	Dimensional crossover and symmetry transformation of charge density waves in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>VSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2022, 105, .	1.1	7
146	Reformulation of generalized separable pseudopotentials. Physical Review B, 1992, 45, 11465-11468.	1.1	6
147	Embedment of Multiple Transition Metal Impurities into WS₂ Monolayer for Bandstructure Modulation. Small, 2021, 17, e2007171.	5.2	6
148	Alanates as hydrogen storage materials. , 2008, , 381-419.		5
149	Theoretical investigation of intermediate phases between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Li</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LiNH</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml: Physical Review B, 2010, 82, .	1.1	5
150	Energy spectra of a single-electron magnetic dot using the massless Diracâ€“Weyl equation. Journal of Physics Condensed Matter, 2010, 22, 355501.	0.7	4
151	Magnetic-field dependence of low-lying spectra in bilayer graphene-based magnetic dots and rings. Solid State Communications, 2013, 156, 49-53.	0.9	4
152	Mechanism for anisotropic diffusion of liquid-like Cu atoms in hexagonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi><mml:mo>â^'</mml:mo><mml:msub><mml:mi mathvariant="normal">Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi></mml:math>. Physical Review Materials, 2021, 5, .	0.9	4
153	Pseudopotential approaches to the structural energies of crystalline solids and solid surfaces. Physics and Chemistry of Minerals, 1987, 14, 308-314.	0.3	3
154	Asymmetric phase diagram and coverage dependent effective pair interactions for hydrogen on close-packed metal surfaces. Surface Science, 1993, 280, 415-429.	0.8	3
155	Optical phonon anomaly in Bernal stacked bilayer graphene with ultrahigh carrier densities. Physical Review B, 2012, 86, .	1.1	3
156	Ultrafast Bulk Diffusion of AlH_x in High-Entropy Dehydrogenation Intermediates of NaAlH₄. Journal of Physical Chemistry C, 2014, 118, 18356-18361.	1.5	3
157	Origin of Band Modulation in GeTe-Rich Geâ€“Sbâ€“Te Thin Film. ACS Applied Electronic Materials, 2019, 1, 2619-2625.	2.0	3
158	Structure Relaxation and Liquidlike Enhanced Cu Diffusion at the Surface of Î²-Cu₂S Chalcocite. Nano Letters, 2021, 21, 8895-8900.	4.5	3
159	Ground-state properties ofBe2: A pseudopotential local-density approach. Physical Review A, 1985, 31, 3444-3446.	1.0	2
160	Theoretical study of the vibrational properties of NaAlH4 with AlH3 vacancies. Faraday Discussions, 2011, 151, 243.	1.6	2
161	Stability of the hydrogen-storage compound Li6Mg(NH)4from first principles. Physical Review B, 2011, 83, .	1.1	2
162	Coherently coupled quantum-well states in bimetallic Pb/Ag thin films. Physical Review B, 2020, 102, .	1.1	1

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163	Critical role of parallel momentum in quantum well state couplings in multi-stacked nanofilms: An angle resolved photoemission study. AIP Advances, 2020, 10, 125211.	0.6	1
164	First-Principles Calculation of Force Constants and Full Phonon Dispersions. Materials Research Society Symposia Proceedings, 1992, 291, 641.	0.1	0
165	Theoretical Study of the Binding Properties and Electronic Structure of Hydrogen in Yttrium*. Zeitschrift Fur Physikalische Chemie, 1993, 181, 39-42.	1.4	0
166	Variational calculation of the depolarization of the maximum density droplet in two-dimensional quantum dots. Physical Review B, 2007, 76, .	1.1	0
167	Photoconductivity: Tailoring Semiconductor Lateral Multijunctions for Giant Photoconductivity Enhancement (Adv. Mater. 41/2017). Advanced Materials, 2017, 29, .	11.1	0
168	Shell Structure in Metal Clusters. Kluwer International Series in Engineering and Computer Science, 1996, , 287-297.	0.2	0
169	Emergence of topological and trivial interface states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi>Se</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> films coupled to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2022, 105, .	1.1	0