

Jia Jinfeng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

13,364
citations

43
h-index

115
g-index

178
ext. papers

15,284
ext. citations

7.4
avg. IF

5.84
L-index

#	Paper	IF	Citations
168	Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in TaNiTe ₅ . <i>Physical Review Letters</i> , 2022 , 128, 106802	7.4	1
167	Catalytic growth of ultralong graphene nanoribbons on insulating substrates. <i>Advanced Materials</i> , 2022 , e2200956	24	0
166	Emergence of New van Hove Singularities in the Charge Density Wave State of a Topological Kagome Metal RbV ₃ Sb ₅ . <i>Physical Review Letters</i> , 2021 , 127, 236401	7.4	8
165	Discovery of segmented Fermi surface induced by Cooper pair momentum. <i>Science</i> , 2021 , 374, 1381-1385	33.3	4
164	Majorana zero mode in the vortex of artificial topological superconductor. <i>Journal of Applied Physics</i> , 2021 , 129, 151104	2.5	1
163	Sierpinski Structure and Electronic Topology in Bi Thin Films on InSb(111)B Surfaces. <i>Physical Review Letters</i> , 2021 , 126, 176102	7.4	2
162	Multifunctional antiferromagnetic materials with giant piezomagnetism and noncollinear spin current. <i>Nature Communications</i> , 2021 , 12, 2846	17.4	3
161	Electronic nature of chiral charge order in the kagome superconductor CsV ₃ Sb ₅ . <i>Physical Review B</i> , 2021 , 104,	3.3	17
160	Braiding Majorana zero mode in an electrically controllable way. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 424003	3	0
159	Resolving Quinoid Structure in Poly(-phenylene) Chains. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10034-10041	16.4	8
158	A tunable and unidirectional one-dimensional electronic system Nb _{2n+1} Si _n Te _{4n+2} . <i>Npj Quantum Materials</i> , 2020 , 5,	5	3
157	One dimensional electronic states in mirror twin boundaries of Bi (1'1'1). <i>Applied Surface Science</i> , 2020 , 512, 145644	6.7	3
156	Robust Hot Electron and Multiple Topological Insulator States in PtBi. <i>ACS Nano</i> , 2020 , 14, 2366-2372	16.7	3
155	Coupling of superconductivity and Coulomb blockade in Sn nanoparticles. <i>Nanotechnology</i> , 2020 , 31, 305708	3.4	1
154	Engineering of Magnetic Coupling in Nanographene. <i>Physical Review Letters</i> , 2020 , 124, 147206	7.4	21
153	Influence of disorder on superconductivity in the Si(111)-7B-In surface. <i>Applied Physics Letters</i> , 2020 , 117, 172601	3.4	1
152	Designer spin order in diradical nanographenes. <i>Nature Communications</i> , 2020 , 11, 6076	17.4	15

151	Strain Tunable Semimetal-Topological-Insulator Transition in Monolayer $1T^{\prime}\text{-WTe}_2$. <i>Physical Review Letters</i> , 2020 , 125, 046801	7.4	23
150	Stanene: A good platform for topological insulator and topological superconductor. <i>Frontiers of Physics</i> , 2020 , 15, 1	3.7	12
149	Precise Control of Electron Magnetism in Metal-Free Porphyrins. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18532-18540	16.4	13
148	Multiple In-Gap States Induced by Topological Surface States in the Superconducting Topological Crystalline Insulator Heterostructure $\text{Sn}_{1-x}\text{Pb}_x\text{Te-Pb}$. <i>Physical Review Letters</i> , 2020 , 125, 136802	7.4	3
147	Molecular beam epitaxy of superconducting PdTe_2 films on topological insulator Bi_2Te_3 . <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	6
146	Topological superconductivity in a $\text{Bi}_2\text{Te}_3/\text{NbSe}_2$ heterostructure: A review. <i>Chinese Physics B</i> , 2019 , 28, 067403	1.2	9
145	Diamagnetic response of a superconducting surface superstructure: $\text{Si}(111)\text{-In}$. <i>Physical Review B</i> , 2019 , 99,	3.3	6
144	On-Surface Synthesis of Iron Phthalocyanine Using Metal-Organic Coordination Templates. <i>ChemPhysChem</i> , 2019 , 20, 2394-2397	3.2	3
143	Topological Insulator Thin Films and Artificial Topological Superconductors 2019 , 71-107		1
142	Scanning tunneling microscopic investigation on morphology of magnetic Weyl semimetal YbMnBi_2 . <i>Chinese Physics B</i> , 2019 , 28, 077302	1.2	5
141	Highly mobile carriers in a candidate of quasi-two-dimensional topological semimetal AuTe_2Br . <i>APL Materials</i> , 2019 , 7, 101110	5.7	4
140	Superconductivity of Topological Surface States and Strong Proximity Effect in Sn Pb Te-Pb Heterostructures. <i>Advanced Materials</i> , 2019 , 31, e1905582	24	8
139	Search for Majorana zero mode in the magnetic vortex of artificial topological superconductor. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 137401	0.6	2
138	Diamagnetic Response of Potassium-Adsorbed Multilayer FeSe Film. <i>Physical Review Letters</i> , 2019 , 123, 257001	7.4	2
137	Unusual self-assembly of chloroaluminium phthalocyanine on graphite. <i>Surface Science</i> , 2019 , 681, 104-118		2
136	Formation mechanism of twin domain boundary in 2D materials: The case for WTe_2 . <i>Nano Research</i> , 2019 , 12, 569-573	10	4
135	Antiferromagnetic Order in Epitaxial FeSe Films on SrTiO_3 . <i>Physical Review Letters</i> , 2018 , 120, 097001	7.4	22
134	Growth and structural characterisation of Sr-doped BiSe thin films. <i>Scientific Reports</i> , 2018 , 8, 2192	4.9	2

133	Surface Structure and Reconstructions of HgTe (111) Surfaces. <i>Chinese Physics Letters</i> , 2018 , 35, 026802	1.8	3
132	Metastable Face-Centered Cubic Structure and Structural Transition of Sn on 2H-NbSe ₂ (0001). <i>Chinese Physics Letters</i> , 2018 , 35, 066802	1.8	4
131	Possible structural origin of superconductivity in Sr-doped Bi ₂ Se ₃ . <i>Physical Review Materials</i> , 2018 , 2,	3.2	17
130	Quasiparticle interference and nonsymmorphic effect on a floating band surface state of ZrSiSe. <i>Nature Communications</i> , 2018 , 9, 4153	17.4	31
129	Electronic structures and unusually robust bandgap in an ultrahigh-mobility layered oxide semiconductor, BiOSe. <i>Science Advances</i> , 2018 , 4, eaat8355	14.3	103
128	Quantum Effects and Phase Tuning in Epitaxial Hexagonal and Monoclinic MoTe Monolayers. <i>ACS Nano</i> , 2017 , 11, 3282-3288	16.7	32
127	Coexistence of Topological Edge State and Superconductivity in Bismuth Ultrathin Film. <i>Nano Letters</i> , 2017 , 17, 3035-3039	11.5	46
126	Majorana zero mode in the vortex of an artificial topological superconductor. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017 , 60, 1	3.6	12
125	Strain in epitaxial high-index Bi ₂ Se ₃ (221) films grown by molecular-beam epitaxy. <i>Applied Surface Science</i> , 2017 , 396, 1825-1830	6.7	11
124	Inversion Domain Boundary Induced Stacking and Bandstructure Diversity in Bilayer MoSe. <i>Nano Letters</i> , 2017 , 17, 6653-6660	11.5	34
123	Electronic structure of Ba (Zn _{0.875} Mn _{0.125}) ₂ As ₂ . <i>Applied Physics Letters</i> , 2017 , 111, 062106	3.4	3
122	Development of in situ two-coil mutual inductance technique in a multifunctional scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2017 , 88, 073902	1.7	13
121	Detection of Majorana zero mode in the vortex. <i>Npj Quantum Materials</i> , 2017 , 2,	5	29
120	Atomically flat superconducting NbN thin films grown on SrTiO ₃ (111) by plasma-assisted MBE. <i>APL Materials</i> , 2017 , 5, 126107	5.7	7
119	Experimental Observation of Topological Edge States at the Surface Step Edge of the Topological Insulator ZrTe ₅ . <i>Physical Review Letters</i> , 2016 , 116, 176803	7.4	126
118	Majorana Zero Mode Detected with Spin Selective Andreev Reflection in the Vortex of a Topological Superconductor. <i>Physical Review Letters</i> , 2016 , 116, 257003	7.4	343
117	Microstructural characterization of sulfur-doped Bi ₂ Te ₃ crystals. <i>Materials Characterization</i> , 2016 , 114, 172-178	3.9	9
116	Vectorial mapping of noncollinear antiferromagnetic structure of semiconducting FeSe surface with spin-polarized scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2016 , 108, 061601	3.4	9

115	Topologically nontrivial bismuth(111) thin films. <i>Scientific Reports</i> , 2016 , 6, 21326	4.9	29
114	Experimental detection of a Majorana mode in the core of a magnetic vortex inside a topological insulator-superconductor Bi(2)Te(3)/NbSe(2) heterostructure. <i>Physical Review Letters</i> , 2015 , 114, 017001	7.4	317
113	Epitaxial growth of two-dimensional stanene. <i>Nature Materials</i> , 2015 , 14, 1020-5	27	1153
112	Development of micro-four-point probe in a scanning tunneling microscope for in situ electrical transport measurement. <i>Review of Scientific Instruments</i> , 2015 , 86, 053903	1.7	16
111	Surface states in lightly hole-doped sodium cobaltate Na _{1-x} CoO ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	2
110	Observation of intervalley quantum interference in epitaxial monolayer tungsten diselenide. <i>Nature Communications</i> , 2015 , 6, 8180	17.4	49
109	Superconductivity above 100 K in single-layer FeSe films on doped SrTiO ₃ . <i>Nature Materials</i> , 2015 , 14, 285-9	27	770
108	Zeeman effect of the topological surface states revealed by quantum oscillations up to 91 Tesla. <i>Physical Review B</i> , 2015 , 92,	3.3	7
107	Evolution of the electronic structure in ultrathin Bi(111) films. <i>Physical Review B</i> , 2015 , 91,	3.3	24
106	Visualizing ferromagnetic domains in magnetic topological insulators. <i>APL Materials</i> , 2015 , 3, 083301	5.7	16
105	Electronic structure of a superconducting topological insulator Sr-doped Bi ₂ Se ₃ . <i>Applied Physics Letters</i> , 2015 , 107, 171602	3.4	46
104	Strongly compressed Bi (111) bilayer films on Bi ₂ Se ₃ studied by scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2015 , 107, 121601	3.4	9
103	Line and Point Defects in MoSe ₂ Bilayer Studied by Scanning Tunneling Microscopy and Spectroscopy. <i>ACS Nano</i> , 2015 , 9, 6619-25	16.7	63
102	Artificial Topological Superconductor by the Proximity Effect. <i>Physical Review Letters</i> , 2014 , 112,	7.4	162
101	The fate of the 2D $\sqrt{3}\times\sqrt{3}$ silicene phase on Ag(111). <i>APL Materials</i> , 2014 , 2, 092513	5.7	31
100	Creating Majorana fermions in topological insulators. <i>National Science Review</i> , 2014 , 1, 36-37	10.8	2
99	Dense network of one-dimensional midgap metallic modes in monolayer MoSe ₂ and their spatial undulations. <i>Physical Review Letters</i> , 2014 , 113, 066105	7.4	135
98	Interlayer vibrational modes in few-quintuple-layer Bi ₂ Te ₃ and Bi ₂ Se ₃ two-dimensional crystals: Raman spectroscopy and first-principles studies. <i>Physical Review B</i> , 2014 , 90,	3.3	68

97	Interface structure of a topological insulator/superconductor heterostructure. <i>New Journal of Physics</i> , 2014 , 16, 123043	2.9	20
96	Magnetic anisotropy of van der Waals absorbed iron(II) phthalocyanine layer on Bi ₂ Te ₃ . <i>Physical Review B</i> , 2014 , 90,	3.3	9
95	Tuning structures and electronic spectra of graphene layers with tilt grain boundaries. <i>Physical Review B</i> , 2014 , 89,	3.3	37
94	Orbit- and atom-resolved spin textures of intrinsic, extrinsic, and hybridized Dirac cone states. <i>Physical Review B</i> , 2014 , 89,	3.3	13
93	Fully gapped s-wave-like superconducting state and electronic structure in Ir _{0.95} Pd _{0.05} Te ₂ single crystals with strong spin-orbital coupling. <i>Physical Review B</i> , 2014 , 89,	3.3	14
92	In situ Raman spectroscopy of topological insulator Bi ₂ Te ₃ films with varying thickness. <i>Nano Research</i> , 2013 , 6, 688-692	10	46
91	Anisotropic topological surface states on high-index Bi ₂ Se ₃ films. <i>Advanced Materials</i> , 2013 , 25, 1557-6224		39
90	Experimental observation of the quantum anomalous Hall effect in a magnetic topological insulator. <i>Science</i> , 2013 , 340, 167-70	33.3	2044
89	Doping nature of Cu in epitaxial topological insulator Bi ₂ Te ₃ thin films. <i>Surface Science</i> , 2013 , 617, 156-168		2
88	Observation of Rashba splitting on Bi ₂ Se ₃ /Si(111) reconstructed surface. <i>Surface Science</i> , 2013 , 618, 115-119	1.8	6
87	Quasiparticle dynamics in reshaped helical Dirac cone of topological insulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2758-62	11.5	80
86	Identifying magnetic anisotropy of the topological surface state of Cr _{0.05} Sb _{1.95} Te ₃ with spin-polarized STM. <i>Physical Review Letters</i> , 2013 , 111, 176802	7.4	30
85	Electronic properties of aluminum/CdZnTe interfaces. <i>Applied Physics Letters</i> , 2013 , 102, 211602	3.4	3
84	THE ADSORPTION AND DESORPTION OF OXYGEN ON CdZnTe (111)B-(2 × 2) SURFACE. <i>Surface Review and Letters</i> , 2013 , 20, 1320001	1.1	
83	Interplay between quantum size effect and strain effect on growth of nanoscale metal thin films. <i>Physical Review B</i> , 2012 , 86,	3.3	19
82	The coexistence of superconductivity and topological order in the Bi ₂ Se ₃ thin films. <i>Science</i> , 2012 , 336, 52-5	33.3	371
81	Spatial and energy distribution of topological edge states in single Bi(111) bilayer. <i>Physical Review Letters</i> , 2012 , 109, 016801	7.4	246
80	Carrier dependence of the magnetic properties in magnetic topological insulator Sb _{1.95} Bi _x Cr _{0.05} Te ₃ . <i>Applied Physics Letters</i> , 2012 , 101, 072406	3.4	20

79	Large magnetic moment of gadolinium substituted topological insulator: Bi _{1.98} Gd _{0.02} Se ₃ . <i>Applied Physics Letters</i> , 2012 , 100, 242403	3-4	43
78	Electron interaction-driven insulating ground state in Bi ₂ Se ₃ topological insulators in the two-dimensional limit. <i>Physical Review B</i> , 2011 , 83,	3-3	204
77	STM and MBE: one of the best combinations. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 464007	3	6
76	Direct observation of nodes and twofold symmetry in FeSe superconductor. <i>Science</i> , 2011 , 332, 1410-3	33-3	328
75	Scanning tunneling microscopy observation of surface superstructures during the growth of In on In/Si(111) surface. <i>Thin Solid Films</i> , 2011 , 520, 328-332	2-2	3
74	Molecular beam epitaxial growth of topological insulators. <i>Advanced Materials</i> , 2011 , 23, 1162-5	24	103
73	Topological insulator thin films of Bi ₂ Te ₃ with controlled electronic structure. <i>Advanced Materials</i> , 2011 , 23, 2929-32	24	172
72	Modulating resonance modes and Q value of a CdS nanowire cavity by single Ag nanoparticles. <i>Nano Letters</i> , 2011 , 11, 4270-4	11-5	31
71	STM study of a rubrene monolayer on Bi(001): Structural modulations. <i>Physical Review B</i> , 2011 , 83,	3-3	5
70	Power-law decay of standing waves on the surface of topological insulators. <i>Physical Review B</i> , 2011 , 84,	3-3	53
69	STUDY ON THE MECHANISM OF VISIBLE ABSORPTION ENHANCEMENT FOR N ⁺ IMPLANTED TiO ₂ BY RAMAN SPECTROSCOPY. <i>Surface Review and Letters</i> , 2011 , 18, 135-140	1-1	1
68	GROWTH AND STABILITY OF ULTRA-THIN Pb FILMS ON Pb/Si(111)- $\sqrt{3}\times\sqrt{3}$. <i>Surface Review and Letters</i> , 2011 , 18, 77-82	1-1	
67	Superconductivity in one-atomic-layer metal films grown on Si(111). <i>Nature Physics</i> , 2010 , 6, 104-108	16-2	384
66	Crossover of the three-dimensional topological insulator Bi ₂ Se ₃ to the two-dimensional limit. <i>Nature Physics</i> , 2010 , 6, 584-588	16-2	1048
65	Topological insulator Bi ₂ Se ₃ thin films grown on double-layer graphene by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2010 , 97, 143118	3-4	140
64	Scattering focusing and localized surface plasmons in a single Ag nanoring. <i>Applied Physics Letters</i> , 2010 , 97, 261107	3-4	13
63	Sample-size dependence of the superconducting transition of ribbon-shaped Pb nanocrystals studied by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3-3	8
62	ENHANCEMENT OF SUPERCONDUCTIVITY OF Pb ULTRA-THIN FILMS BY THE INTERFACE EFFECT. <i>Surface Review and Letters</i> , 2010 , 17, 437-440	1-1	3

61	Band structure and Fermi surface of atomically uniform lead films. <i>New Journal of Physics</i> , 2010 , 12, 113034	3.4	1
60	Tailoring phthalocyanine metalation reaction by quantum size effect. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1456-7	16.4	24
59	Selective adsorption and electronic interaction of F16CuPc on epitaxial graphene. <i>Physical Review B</i> , 2010 , 82,	3.3	36
58	Application of magnetic atom induced bound states in superconducting gap for chemical identification of single magnetic atoms. <i>Applied Physics Letters</i> , 2010 , 96, 073113	3.4	15
57	Doping effects of Sb and Pb in epitaxial topological insulator Bi ₂ Se ₃ thin films: An in situ angle-resolved photoemission spectroscopy study. <i>Applied Physics Letters</i> , 2010 , 97, 194102	3.4	40
56	Landau quantization of topological surface states in Bi ₂ Se ₃ . <i>Physical Review Letters</i> , 2010 , 105, 076801	7.4	327
55	Atomically smooth ultrathin films of topological insulator Sb ₂ Te ₃ . <i>Nano Research</i> , 2010 , 3, 874-880	10	91
54	Intrinsic topological insulator Bi ₂ Te ₃ thin films on Si and their thickness limit. <i>Advanced Materials</i> , 2010 , 22, 4002-7	24	335
53	Ultrathin lead oxide film on Pb(111) and its application in single spin detection. <i>Applied Physics Letters</i> , 2009 , 95, 063107	3.4	4
52	Identifying charge states of molecules with spin-flip spectroscopy. <i>Physical Review Letters</i> , 2009 , 103, 257202	7.4	50
51	Effect of nitrogen-vacancy complex defects on the electronic transport of carbon nanotube. <i>Applied Physics Letters</i> , 2009 , 94, 102108	3.4	7
50	Magnetoresistance oscillations of ultrathin Pb bridges. <i>Nano Research</i> , 2009 , 2, 671-677	10	15
49	Effect of Schottky barrier on the transport property in perovskite oxide heterostructures. <i>Physica B: Condensed Matter</i> , 2009 , 404, 1332-1335	2.8	
48	Numerical analysis of the transport processes in manganite/titanate Schottky junctions. <i>Applied Surface Science</i> , 2009 , 255, 6262-6265	6.7	2
47	Activated dissociation of O ₂ on Pb(111) surfaces by Pb adatoms. <i>Physical Review B</i> , 2009 , 80,	3.3	7
46	Experimental demonstration of topological surface states protected by time-reversal symmetry. <i>Physical Review Letters</i> , 2009 , 103, 266803	7.4	586
45	Ordered Au/Pb nanoring arrays on Pb-induced Si(111)-1 \times 1 surface. <i>Applied Physics Letters</i> , 2009 , 94, 063112	3.4	5
44	Gold adsorption induced surface alloying on Si(111)-1 \times 1-Pb surface. <i>Applied Physics Letters</i> , 2009 , 95, 193102	3.4	6

43	Probing superexchange interaction in molecular magnets by spin-flip spectroscopy and microscopy. <i>Physical Review Letters</i> , 2008 , 101, 197208	7.4	210
42	Spontaneous formation of Mn nanocluster arrays on a Si(111) surface observed with STM. <i>Physical Review B</i> , 2008 , 78,	3.3	17
41	Quantum size effect directed selective self-assembling of cobalt phthalocyanine on Pb(111) thin films. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7790-1	16.4	51
40	Stability and flexibility of self-assembled monolayers of thiols consisting of a horizontal large system and a vertical spacer. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 315012	1.8	2
39	An unusual magnetoresistance effect in the heterojunction structure of an ultrathin single-crystal Pb film on silicon substrate. <i>Nanotechnology</i> , 2008 , 19, 475708	3.4	10
38	Wavevector-dependent quantum-size effect in electron decay length at Pb thin film surfaces. <i>Applied Physics Letters</i> , 2008 , 93, 093105	3.4	18
37	Anomalous magnetoresistance oscillations and enhanced superconductivity in single-crystal Pb nanobelts. <i>Applied Physics Letters</i> , 2008 , 92, 233119	3.4	35
36	High-resolution scanning tunneling spectroscopy of magnetic impurity induced bound states in the superconducting gap of Pb thin films. <i>Physical Review Letters</i> , 2008 , 100, 226801	7.4	137
35	The influence of interband tunneling on leakage current in manganite/titanate heterojunction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 4943-4946	2.3	4
34	Thermal effects in photoemission from Bi(1 1 1) films on Si(1 1 1)-(7 × 7). <i>Surface Science</i> , 2008 , 602, 102-108		2
33	Experimental observation of quantum oscillation of surface chemical reactivities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9204-8	11.5	113
32	Quantum Size Effects Induced Novel Properties in Two-Dimensional Electronic Systems: Pb Thin Films on Si(111). <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 082001	1.5	31
31	Manipulating the Kondo resonance through quantum size effects. <i>Physical Review Letters</i> , 2007 , 99, 256601	6.0	187
30	Negative magnetoresistance in fractal Pb thin films on Si(111). <i>Applied Physics Letters</i> , 2007 , 90, 113109	3.4	20
29	A study of the surface structure of deposited Au on Pb film. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 136005	1.8	4
28	Quantum oscillations in Pb/Si (111) heterostructure system. <i>Frontiers of Physics in China</i> , 2006 , 1, 323-333		2
27	Fabricating artificial nanowells with tunable size and shape by using scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2006 , 89, 123111	3.4	12
26	Quantum size effect on adatom surface diffusion. <i>Physical Review Letters</i> , 2006 , 97, 266102	7.4	69

25	Adhesion modulation by quantum size effects in PbBi(111) system. <i>Applied Physics Letters</i> , 2006 , 89, 183109	3.4	9
24	Self-assembled monolayers of aromatic thiols stabilized by parallel-displaced pi-pi stacking interactions. <i>Langmuir</i> , 2006 , 22, 3049-56	4	62
23	Quantum growth of magnetic nanoplatelets of Co on Si with high blocking temperature. <i>Nano Letters</i> , 2005 , 5, 87-90	11.5	40
22	Quantum size effects on the perpendicular upper critical field in ultrathin lead films. <i>Physical Review Letters</i> , 2005 , 95, 247005	7.4	61
21	Growth of single-domain monatomic In chain arrays on the vicinal Si(001) surface. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 25, 660-667	3	2
20	Growth, stability and morphology evolution of Pb films on Si(111) prepared at low temperature. <i>Surface Science</i> , 2005 , 596, L331-L338	1.8	23
19	Defects analysis of Al/Si artificial nanocluster with moiré fringes. <i>Optics and Lasers in Engineering</i> , 2005 , 43, 1071-1080	4.6	8
18	Residual strain around a step edge of artificial AlBi(111)-7 \times 7 nanocluster. <i>Applied Physics Letters</i> , 2005 , 87, 201908	3.4	30
17	Steps of Al/Si nanocluster studied by scanning tunneling microscope Moiré method. <i>Scanning</i> , 2004 , 26, 282-6	1.6	1
16	X-ray magnetic circular dichroism at L23 edge of Co nanoclusters on Si(111) surface. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S5783-S5786	1.8	6
15	Borderline magic clustering: the fabrication of tetravalent Pb cluster arrays on Si(111)-(7 \times 7) surfaces. <i>Physical Review Letters</i> , 2004 , 93, 116103	7.4	73
14	Coulomb sink: a novel coulomb effect on coarsening of metal nanoclusters on semiconductor surfaces. <i>Physical Review Letters</i> , 2004 , 93, 106102	7.4	19
13	Effect of sapphire substrate nitridation on the elimination of rotation domains in ZnO epitaxial films. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 3058-3062	3	29
12	Superconductivity modulated by quantum size effects. <i>Science</i> , 2004 , 306, 1915-7	33.3	485
11	Scanning tunneling microscopy study of superlattice domain boundaries on graphite surface. <i>Surface Science</i> , 2003 , 542, 94-100	1.8	33
10	Spontaneous assembly of perfectly ordered identical-size nanocluster arrays. <i>Nanotechnology</i> , 2002 , 13, 736-740	3.4	3
9	Spontaneous assembly of perfectly ordered identical-size nanocluster arrays. <i>Physical Review Letters</i> , 2002 , 88, 066101	7.4	286
8	Artificial nanocluster crystal: Lattice of identical Al clusters. <i>Applied Physics Letters</i> , 2002 , 80, 3186-3188	3.4	108

7	Spontaneous vacancy array formation on FeSi ₂ and CoSi ₂ formed on Si(100) 2× surface. <i>Applied Physics Letters</i> , 2002 , 80, 1990-1992	3-4	3
6	Spontaneous formation of ordered indium nanowire array on Si(001). <i>Applied Physics Letters</i> , 2001 , 79, 2826-2828	3-4	37
5	Stability, resolution, and tip imaging by a dual-probe scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2001 , 72, 4388-4392	1-7	43
4	Oxidation of carbon monoxide and ethylene on Pd(001)-C(2×)Mn. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995 , 76, 201-206	1-7	2
3	Oxidation of ethylene on the ordered alloy surface Pd{001}c(2×)-Mn. <i>Surface Science</i> , 1995 , 338, 69-76	1-8	6
2	Coadsorption of carbon monoxide and oxygen on Pd{001}c(2×)Mn: an oxidation pathway for CO ₂ formation. <i>Surface Science</i> , 1994 , 312, 167-173	1-8	8
1	Moiré pattern-modulated electronic structures in Sb ₂ Te ₃ /graphene heterostructure. <i>Nano Research</i> , 2011 , 4, 10-15	10	2