Hong-Jun Gao

List of Publications by Year
in descending order

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		46918	28224
188	12,005	47	105
papers	citations	h-index	g-index

192	192	192	13867
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reversible switching of Kondo resonance in a single-molecule junction. Nano Research, 2022, 15, 1466-1471.	5.8	11
2	Monolayer puckered pentagonal VTe2: An emergent two-dimensional ferromagnetic semiconductor with multiferroic coupling. Nano Research, 2022, 15, 1486-1491.	5.8	20
3	Substrate tuned reconstructed polymerization of naphthalocyanine on Ag(110). Chinese Physics B, 2022, 31, 018202.	0.7	0
4	Intrinsically Honeycombâ€Patterned Hydrogenated Graphene. Small, 2022, 18, e2102687.	5.2	3
5	Nanoscale Control of One-Dimensional Confined States in Strongly Correlated Homojunctions. Nano Letters, 2022, 22, 1190-1197.	4.5	10
6	Observation of an Incommensurate Charge Density Wave in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>TiSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:mn>1</mml:mn><mml:mn>1</mml:mn><mml:mn>1</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overl 2022, 128, 026401.	7.8	9
7	Twisted charge-density-wave patterns in bilayer 2D crystals and modulated electronic states. 2D Materials, 2022, 9, 014007.	2.0	11
8	Construction and physical properties of low-dimensional structures for nanoscale electronic devices. Physical Chemistry Chemical Physics, 2022, 24, 9082-9117.	1.3	3
9	Size Dependence of Charge-Density-Wave Orders in Single-Layer NbSe₂ Hetero/Homophase Junctions. Journal of Physical Chemistry Letters, 2022, 13, 1901-1907.	2.1	6
10	Fluctuation of Interfacial Electronic Properties Induces Friction Tuning under an Electric Field. Nano Letters, 2022, 22, 1889-1896.	4.5	23
11	Ferroelectric-gated ReS2 field-effect transistors for nonvolatile memory. Nano Research, 2022, 15, 5443-5449.	5.8	5
12	Atomic-scale visualization of chiral charge density wave superlattices and their reversible switching. Nature Communications, 2022, 13, 1843.	5.8	25
13	Line defects in monolayer TiSe2 with adsorption of Pt atoms potentially enable excellent catalytic activity. Nano Research, 2022, 15, 4687-4692.	5.8	9
14	Visualization of Charge-Density-Wave Reconstruction and Electronic Superstructure at the Edge of Correlated Insulator 1T-NbSe₂. ACS Nano, 2022, 16, 1332-1338.	7.3	13
15	Surface atomic manipulation of low-dimensional structures. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.2	0
16	Intrinsically patterned corrals in monolayer Ag5Se2 and selective molecular co-adsorption. Nano Research, 2022, 15, 6730-6735.	5.8	3
17	Exploring Majorana zero modes in iron-based superconductors. Chinese Physics B, 2022, 31, 080301.	0.7	5
18	Dimensional crossover in self-intercalated antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math> nanoflakes. Physical Review B, 2022, 105, .	1.1	6

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19	Ordered and tunable Majorana-zero-mode lattice in naturally strained LiFeAs. Nature, 2022, 606, 890-895.	13.7	37
20	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. Nano Research, 2021, 14, 1390-1396.	5.8	9
21	Edge- and strain-induced band bending in bilayer-monolayer Pb2Se3 heterostructures. Chinese Physics B, 2021, 30, 018105.	0.7	7
22	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe2 grown by chemical vapor deposition. Nature Communications, 2021, 12, 809.	5.8	196
23	The As-surface of an iron-based superconductor CaKFe4As4. Nano Research, 2021, 14, 3921-3925.	5.8	6
24	Intercalation of germanium oxide beneath large-area and high-quality epitaxial graphene on Ir(111) substrate*. Chinese Physics B, 2021, 30, 048102.	0.7	7
25	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe2. Nature Communications, 2021, 12, 1978.	5.8	45
26	Observation of magnetic adatom-induced Majorana vortex and its hybridization with field-induced Majorana vortex in an iron-based superconductor. Nature Communications, 2021, 12, 1348.	5.8	33
27	Construction of poly-naphthalocyanine linked by [4]-radialene-like structures on silver surfaces. Nano Research, 2021, 14, 4563.	5.8	2
28	Recent Advances in Synthesis and Study of 2D Twisted Transition Metal Dichalcogenide Bilayers. Small Structures, 2021, 2, 2000153.	6.9	29
29	Tuning Molecular Superlattice by Charge-Density-Wave Patterns in Two-Dimensional Monolayer Crystals. Journal of Physical Chemistry Letters, 2021, 12, 3545-3551.	2.1	9
30	One-dimensional weak antilocalization effect in 1Tâ€²-MoTe2 nanowires grown by chemical vapor deposition. Journal of Physics Condensed Matter, 2021, 33, 185701.	0.7	0
31	Atomically sharp interface enabled ultrahigh-speed non-volatile memory devices. Nature Nanotechnology, 2021, 16, 882-887.	15.6	105
32	Recent progress of scanning tunneling microscopy/spectroscopy study of Majorana bound states in the FeTe_{0.55}Se_{0.45} superconductor. Superconductor Science and Technology, 2021, 34, 073001.	1.8	9
33	Majorana zero modes in impurity-assisted vortex of LiFeAs superconductor. Nature Communications, 2021, 12, 4146.	5.8	44
34	Intriguing one-dimensional electronic behavior in emerging two-dimensional materials. Nano Research, 2021, 14, 3810-3819.	5.8	5
35	Honeycomb AgSe Monolayer Nanosheets for Studying Two-dimensional Dirac Nodal Line Fermions. ACS Applied Nano Materials, 2021, 4, 8845-8850.	2.4	13
36	Advances in two-dimensional heterostructures by mono-element intercalation underneath epitaxial graphene. Progress in Surface Science, 2021, 96, 100637.	3.8	13

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37	Roton pair density wave in a strong-coupling kagome superconductor. Nature, 2021, 599, 222-228.	13.7	276
38	NBNâ€Doped Bisâ€Tetracene and Periâ€Tetracene: Synthesis and Characterization. Angewandte Chemie - International Edition, 2021, 60, 26115-26121.	7.2	29
39	Novel two-dimensional transition metal chalcogenides created by epitaxial growth. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	3
40	Controllable fabrication and photocatalytic performance of nanoscale single-layer MoSe₂ islands with substantial edges on an Ag(111) substrate. Nanoscale, 2021, 13, 19165-19171.	2.8	5
41	A time-shared switching scheme designed for multi-probe scanning tunneling microscope. Review of Scientific Instruments, 2021, 92, 103702.	0.6	2
42	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. Science, 2020, 367, 189-192.	6.0	172
43	Direct Visualization of Hydrogen-Transfer Intermediate States by Scanning Tunneling Microscopy. Journal of Physical Chemistry Letters, 2020, 11, 1536-1541.	2.1	3
44	A new Majorana platform in an Fe-As bilayer superconductor. Nature Communications, 2020, 11, 5688.	5.8	84
45	Layer-by-Layer Epitaxy of Porphyrinâ^'Ligand Fe(II)-Fe(III) Nanoarchitectures for Advanced Metalâ€“Organic Framework Growth. ACS Applied Nano Materials, 2020, 3, 11752-11759.	2.4	12
46	Insulating SiO₂ under Centimeter-Scale, Single-Crystal Graphene Enables Electronic-Device Fabrication. Nano Letters, 2020, 20, 8584-8591.	4.5	19
47	Fabrication and manipulation of nanosized graphene homojunction with atomically-controlled boundaries. Nano Research, 2020, 13, 3286-3291.	5.8	3
48	Ferroelectric-Gated InSe Photodetectors with High On/Off Ratios and Photoresponsivity. Nano Letters, 2020, 20, 6666-6673.	4.5	53
49	Localized spin-orbit polaron in magnetic Weyl semimetal Co3Sn2S2. Nature Communications, 2020, 11, 5613.	5.8	53
50	Force-Activated Isomerization of a Single Molecule. Journal of the American Chemical Society, 2020, 142, 10673-10680.	6.6	16
51	Wrinkle-induced highly conductive channels in graphene on SiO₂/Si substrates. Nanoscale, 2020, 12, 12038-12045.	2.8	11
52	Sizable Band Gap in Epitaxial Bilayer Graphene Induced by Silicene Intercalation. Nano Letters, 2020, 20, 2674-2680.	4.5	23
53	Onâ€Surface Synthesis of NBNâ€Doped Zigzagâ€Edged Graphene Nanoribbons. Angewandte Chemie, 2020, 132, 8958-8964.	1.6	20
54	Airâ€Stable Monolayer Cu₂Se Exhibits a Purely Thermal Structural Phase Transition. Advanced Materials, 2020, 32, e1908314.	11.1	26

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55	Onâ€Surface Synthesis of NBNâ€Doped Zigzagâ€Edged Graphene Nanoribbons. Angewandte Chemie - International Edition, 2020, 59, 8873-8879.	7.2	61
56	Stereoselective Onâ€Surface Cyclodehydrofluorization of a Tetraphenylporphyrin and Homochiral Selfâ€Assembly. Angewandte Chemie - International Edition, 2020, 59, 17413-17416.	7.2	19
57	InSe/hBN/graphite heterostructure for high-performance 2D electronics and flexible electronics. Nano Research, 2020, 13, 1127-1132.	5.8	48
58	Construction of monolayer IrTe2 and the structural transition under low temperatures. Chinese Physics B, 2020, 29, 078102.	0.7	5
59	Electrostatic gating of solid-ion-conductor on InSe flakes and InSe/h-BN heterostructures*. Chinese Physics B, 2020, 29, 118501.	0.7	3
60	Epitaxial synthesis and electronic properties of monolayer Pd₂Se₃*. Chinese Physics B, 2020, 29, 098102.	0.7	7
61	Simultaneous generation of direct- and indirect-gap photoluminescence in multilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> bubbles. Physical Review Materials, 2020, 4, .	0.9	21
62	Two-Dimensional Crystals: Graphene, Silicene, Germanene, and Stanene. Springer Handbooks, 2020, , 243-266.	0.3	0
63	Half-integer level shift of vortex bound states in an iron-based superconductor. Nature Physics, 2019, 15, 1181-1187.	6.5	144
64	Tunable giant magnetoresistance in a single-molecule junction. Nature Communications, 2019, 10, 3599.	5.8	50
65	Evidence of Topological Edge States in Buckled Antimonene Monolayers. Nano Letters, 2019, 19, 6323-6329.	4.5	61
66	Fabrication of large-scale graphene/2D-germanium heterostructure by intercalation. Chinese Physics B, 2019, 28, 078103.	0.7	6
67	Direct probing of imperfection-induced electrical degradation in millimeter-scale graphene on SiO ₂ substrates. 2D Materials, 2019, 6, 045033.	2.0	2
68	Substrate, a choice of engineering the pseudospin in graphene. 2D Materials, 2019, 6, 045050.	2.0	4
69	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe₂ Nanoplates. Nano Letters, 2019, 19, 8572-8580.	4.5	52
70	Electronic structure of exfoliated millimeter-sized monolayer WSe2 on silicon wafer. Nano Research, 2019, 12, 3095-3100.	5.8	15
71	Centimeter-scale, single-crystalline, AB-stacked bilayer graphene on insulating substrates. 2D Materials, 2019, 6, 045044.	2.0	11
72	Atomically precise, custom-design origami graphene nanostructures. Science, 2019, 365, 1036-1040.	6.0	156

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73	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe₂. Nano Letters, 2019, 19, 4551-4559.	4.5	60
74	Modeling Atomic-Scale Electrical Contact Quality Across Two-Dimensional Interfaces. Nano Letters, 2019, 19, 3654-3662.	4.5	21
75	Spectroscopic signatures of edge states in hexagonal boron nitride. Nano Research, 2019, 12, 1663-1667.	5.8	7
76	Self-Assembly Evolution of Metal-Free Naphthalocyanine Molecules on Ag(111) at the Submonolayer Coverage. Journal of Physical Chemistry C, 2019, 123, 7202-7208.	1.5	5
77	Formation of Two-Dimensional AgTe Monolayer Atomic Crystal on Ag(111) Substrate. Chinese Physics Letters, 2019, 36, 028102.	1.3	18
78	Spontaneous Formation of 1D Pattern in Monolayer VSe₂ with Dispersive Adsorption of Pt Atoms for HER Catalysis. Nano Letters, 2019, 19, 4897-4903.	4.5	42
79	One-step solution synthesis of a two-dimensional semiconducting covalent organometallic nanosheet via the condensation of boronic acid. RSC Advances, 2019, 9, 29327-29330.	1.7	2
80	Barrierless On-Surface Metal Incorporation in Phthalocyanine-Based Molecules. Journal of Physical Chemistry C, 2018, 122, 6678-6683.	1.5	11
81	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. Advanced Materials, 2018, 30, e1707055.	11.1	110
82	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. Nano Letters, 2018, 18, 2133-2139.	4.5	219
83	Recent progress in 2D group-VA semiconductors: from theory to experiment. Chemical Society Reviews, 2018, 47, 982-1021.	18.7	697
84	Recovery of edge states of graphene nanoislands on an iridium substrate by silicon intercalation. Nano Research, 2018, 11, 3722-3729.	5.8	10
85	Electronic effects and fundamental physics studied in molecular interfaces. Chemical Communications, 2018, 54, 5508-5517.	2.2	5
86	Epitaxially grown monolayer VSe 2 : an air-stable magnetic two-dimensional material with low work function at edges. Science Bulletin, 2018, 63, 419-425.	4.3	92
87	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. ACS Nano, 2018, 12, 12657-12664.	7.3	34
88	A low-temperature scanning probe microscopy system with molecular beam epitaxy and optical access. Review of Scientific Instruments, 2018, 89, 113705.	0.6	9
89	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. Advanced Materials, 2018, 30, e1804650.	11.1	86
90	Controllable Density of Atomic Bromine in a Two-Dimensional Hydrogen Bond Network. Journal of Physical Chemistry C, 2018, 122, 25681-25684.	1.5	6

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91	Construction of bilayer PdSe2 on epitaxial graphene. Nano Research, 2018, 11, 5858-5865.	5.8	84
92	Fabrication of Millimeterâ€Scale, Singleâ€Crystal Oneâ€Thirdâ€Hydrogenated Graphene with Anisotropic Electronic Properties. Advanced Materials, 2018, 30, 1801838.	11.1	19
93	Epitaxial growth and physical properties of 2D materials beyond graphene: from monatomic materials to binary compounds. Chemical Society Reviews, 2018, 47, 6073-6100.	18.7	97
94	Modification of the Potential Landscape of Molecular Rotors on Au(111) by the Presence of an STM Tip. Nano Letters, 2018, 18, 4704-4709.	4.5	21
95	Bandgap broadening at grain boundaries in single-layer MoS2. Nano Research, 2018, 11, 6102-6109.	5.8	26
96	Tuning the morphology of chevron-type graphene nanoribbons by choice of annealing temperature. Nano Research, 2018, 11, 6190-6196.	5.8	20
97	Evidence for Majorana bound states in an iron-based superconductor. Science, 2018, 362, 333-335.	6.0	523
98	Black Arsenic: A Layered Semiconductor with Extreme Inâ€Plane Anisotropy. Advanced Materials, 2018, 30, e1800754.	11.1	161
99	Thick Layered Semiconductor Devices with Water Top-Gates: High Onâ€“Off Ratio Field-Effect Transistors and Aqueous Sensors. ACS Applied Materials & Interfaces, 2018, 10, 23198-23207.	4.0	14
100	Sequence of Silicon Monolayer Structures Grown on a Ru Surface: from a Herringbone Structure to Silicene. Nano Letters, 2017, 17, 1161-1166.	4.5	86
101	Direct Evidence of Dirac Signature in Bilayer Germanene Islands on Cu(111). Advanced Materials, 2017, 29, 1606046.	11.1	111
102	Direct observation of spin-layer locking by local Rashba effect in monolayer semiconducting PtSe2 film. Nature Communications, 2017, 8, 14216.	5.8	151
103	Identifying and Visualizing the Edge Terminations of Single-Layer MoSe₂ Island Epitaxially Grown on Au(111). ACS Nano, 2017, 11, 1689-1695.	7.3	48
104	MoirÃ© superlattice-level stick-slip instability originated from geometrically corrugated graphene on a strongly interacting substrate. 2D Materials, 2017, 4, 025079.	2.0	33
105	Upgrade of a commercial four-probe scanning tunneling microscopy system. Review of Scientific Instruments, 2017, 88, 063704.	0.6	13
106	Direct measurements of conductivity and mobility in millimeter-sized single-crystalline graphene via van der Pauw geometry. Chinese Physics B, 2017, 26, 066801.	0.7	14
107	From bidirectional rectifier to polarity-controllable transistor in black phosphorus by dual gate modulation. 2D Materials, 2017, 4, 025056.	2.0	7
108	Epitaxial Growth and Airâ€Stability of Monolayer Antimonene on PdTe₂. Advanced Materials, 2017, 29, 1605407.	11.1	313

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109	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. Journal of Physical Chemistry Letters, 2017, 8, 326-331.	2.1	33
110	Interatomic Spin Coupling in Manganese Clusters Registered on Graphene. Physical Review Letters, 2017, 119, 176806.	2.9	20
111	Design of Two-Dimensional Graphene-like Dirac Materials Î²₁₂-XBeB₅ (X = H, F,) Tj ETQq1 1 0.784314 rgBT /O 4594-4599.	2.1	23
112	Lattice-Directed Construction of Metalâ€“Organic Molecular Wires of Pentacene on the Au(110) Surface. Journal of Physical Chemistry C, 2017, 121, 21650-21657.	1.5	14
113	Evidence for Ultralow-Energy Vibrations in Large Organic Molecules. Nano Letters, 2017, 17, 4929-4933.	4.5	11
114	Direct Four-Probe Measurement of Grain-Boundary Resistivity and Mobility in Millimeter-Sized Graphene. Nano Letters, 2017, 17, 5291-5296.	4.5	59
115	Termination of Ge surfaces with ultrathin GeS and GeS₂ layers via solid-state sulfurization. Physical Chemistry Chemical Physics, 2017, 19, 32473-32480.	1.3	25
116	Sulfur-doped graphene nanoribbons with a sequence of distinct band gaps. Nano Research, 2017, 10, 3377-3384.	5.8	44
117	Spontaneous Formation of a Superconductorâ€“Topological Insulatorâ€“Normal Metal Layered Heterostructure. Advanced Materials, 2016, 28, 5013-5017.	11.1	24
118	Tuning the Proximity Effect through Interface Engineering in a Pb/Graphene/Pt Trilayer System. ACS Nano, 2016, 10, 4520-4524.	7.3	4
119	Epitaxy of Ultrathin SnSe Single Crystals on Polydimethylsiloxane: Inâ€Plane Electrical Anisotropy and Gateâ€Tunable Thermopower. Advanced Electronic Materials, 2016, 2, 1600292.	2.6	31
120	Impurity-induced formation of bilayered graphene on copper by chemical vapor deposition. Nano Research, 2016, 9, 2803-2810.	5.8	26
121	Introduction of Interfacial Charges to Black Phosphorus for a Family of Planar Devices. Nano Letters, 2016, 16, 6870-6878.	4.5	69
122	Building block analysis of 2D amorphous networks reveals medium range correlation. Journal of Non-Crystalline Solids, 2016, 435, 40-47.	1.5	36
123	Ferromagnetism and perfect spin filtering in transition-metal-doped graphyne nanoribbons. Physical Review B, 2015, 92, .	1.1	39
124	Monolayer PtSe₂, a New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. Nano Letters, 2015, 15, 4013-4018.	4.5	560
125	Revealing the Atomic Site-Dependent<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>g</mml:mi></mml:mrow></mml:math>Factor within a Single Magnetic Molecule via the Extended Kondo Effect. Physical Review Letters, 2015, 114, 126601.	2.9	26
126	Self-Assembled Patterns and Youngâ€™s Modulus of Single-Layer Naphthalocyanine Molecules on Ag(111). Journal of Physical Chemistry C, 2015, 119, 8208-8212.	1.5	18

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127	Role of Cooperative Interactions in the Intercalation of Heteroatoms between Graphene and a Metal Substrate. Journal of the American Chemical Society, 2015, 137, 7099-7103.	6.6	50
128	Structural and Electronic Properties of Pb- Intercalated Graphene on Ru(0001). Journal of Physical Chemistry C, 2015, 119, 9839-9844.	1.5	30
129	Adsorption behavior of Fe atoms on a naphthalocyanine monolayer on Ag(111) surface. Chinese Physics B, 2015, 24, 076802.	0.7	6
130	Construction of single-crystalline supramolecular networks of perchlorinated hexa-peri-hexabenzocoronene on Au(111). Journal of Chemical Physics, 2015, 142, 101911.	1.2	13
131	Room-Temperature, Low-Barrier Boron Doping of Graphene. Nano Letters, 2015, 15, 6464-6468.	4.5	24
132	Reliable Exfoliation of Large-Area High-Quality Flakes of Graphene and Other Two-Dimensional Materials. ACS Nano, 2015, 9, 10612-10620.	7.3	451
133	Construction of 2D Atomic Crystals on Transition Metal Surfaces: Graphene, Silicene, and Hafnene. Small, 2014, 10, 2215-2225.	5.2	91
134	Constructing molecular structures on periodic superstructure of graphene/Ru(0001). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130015.	1.6	10
135	Construction of two-dimensional hydrogen clusters on Au(111) directed by phthalocyanine molecules. Nano Research, 2014, 7, 79-84.	5.8	12
136	Reversible Achiral-to-Chiral Switching of Single Mnâ€“Phthalocyanine Molecules by Thermal Hydrogenation and Inelastic Electron Tunneling Dehydrogenation. ACS Nano, 2014, 8, 2246-2251.	7.3	32
137	Kondo Effect of Cobalt Adatoms on a Graphene Monolayer Controlled by Substrate-Induced Ripples. Nano Letters, 2014, 14, 4011-4015.	4.5	60
138	Direct Visualization of Surface-Assisted Two-Dimensional Diyne Polycyclotrimerization. Journal of the American Chemical Society, 2014, 136, 5567-5570.	6.6	123
139	Thermally Controlled Adenine Dimer Chain Rotation on Cu(110): The Critical Role of van der Waals Interactions. Journal of Physical Chemistry C, 2014, 118, 6278-6282.	1.5	7
140	Strain-Induced Anisotropic Transport Properties of LaBaCo₂O_{5.5+Î´} Thin Films on NdGaO₃ Substrates. ACS Applied Materials & Interfaces, 2014, 6, 8526-8530.	4.0	32
141	Buckled Germanene Formation on Pt(111). Advanced Materials, 2014, 26, 4820-4824.	11.1	770
142	Buckled Silicene Formation on Ir(111). Nano Letters, 2013, 13, 685-690.	4.5	1,074
143	Two-Dimensional Transition Metal Honeycomb Realized: Hf on Ir(111). Nano Letters, 2013, 13, 4671-4674.	4.5	102
144	MoirÃ© beatings in graphene on Ru(0001). Physical Review B, 2013, 88, .	1.1	38

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145	Template-directed assembly of pentacene molecules on epitaxial graphene on Ru(0001). Nano Research, 2013, 6, 131-137.	5.8	31
146	Anomalous phase relations of quantum size effects in ultrathin Pb films on Si(111). Physical Review B, 2013, 87, .	1.1	11
147	Nanoscale Materials: A General Approach for Fast Detection of Charge Carrier Type and Conductivity Difference in Nanoscale Materials (Adv. Mater. 48/2013). Advanced Materials, 2013, 25, 6916-6916.	11.1	0
148	Reversible Single Spin Control of Individual Magnetic Molecule by Hydrogen Atom Adsorption. Scientific Reports, 2013, 3, 1210.	1.6	115
149	Tuning Structural and Mechanical Properties of Two-Dimensional Molecular Crystals: The Roles of Carbon Side Chains. Nano Letters, 2012, 12, 1229-1234.	4.5	27
150	Fabrication of patterned boron carbide nanowires and their electrical, field emission, and flexibility properties. Nano Research, 2012, 5, 896-902.	5.8	12
151	Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). Applied Physics Letters, 2012, 100, .	1.5	101
152	Identifying Multiple Configurations of Complex Molecules on Metal Surfaces. Small, 2012, 8, 796-806.	5.2	5
153	Surfaces: Identifying Multiple Configurations of Complex Molecules on Metal Surfaces (Small 6/2012). Small, 2012, 8, 795-795.	5.2	1
154	Studies of graphene-based nanoelectromechanical switches. Nano Research, 2012, 5, 82-87.	5.8	54
155	Site- and Configuration-Selective Anchoring of Ironâ€“Phthalocyanine on the Step Edges of Au(111) Surface. Journal of Physical Chemistry C, 2011, 115, 10791-10796.	1.5	31
156	Synthesis of monodisperse CoPt3 nanocrystals and their catalytic behavior for growth of boron nanowires. Nano Research, 2011, 4, 780-787.	5.8	12
157	Self-assembly of molecular wires on H-terminated Si(100) surfaces driven by London dispersion forces. Physical Review B, 2011, 84, .	1.1	10
158	Understanding formation of molecular rotor array on Au(111) surface. Frontiers of Physics in China, 2010, 5, 380-386.	1.0	3
159	Effect of Contact Mode on the Electrical Transport and Fieldâ€Emission Performance of Individual Boron Nanowires. Advanced Functional Materials, 2010, 20, 1994-2003.	7.8	20
160	Synthesis of PbTe/Pb quasi-one-dimensional nanostructure material arrays by electrodeposition. Applied Physics Letters, 2010, 96, 143113.	1.5	6
161	Anchoring of a Single Molecular Rotor and Its Array on Metal Surfaces using Molecular Design and Self-Assembly. International Journal of Molecular Sciences, 2010, 11, 656-671.	1.8	9
162	Surface-Step-Terrace-Induced Anomalous Transport Properties in Highly Epitaxial La_{0.67}Ca_{0.33}MnO₃ Thin Films. ACS Applied Materials & Interfaces, 2010, 2, 2496-2499.	4.0	20

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163	Structural Transition and Thermal Stability of a Coronene Molecular Monolayer on Cu(110). Journal of Physical Chemistry C, 2010, 114, 11180-11184.	1.5	8
164	Polymorphism and chiral expression in two-dimensional subphthalocyanine crystals on Au(111). Physical Chemistry Chemical Physics, 2010, 12, 1318-1322.	1.3	40
165	Metal-like single crystalline boron nanotubes: synthesis and in situ study on electric transport and field emission properties. Journal of Materials Chemistry, 2010, 20, 2197.	6.7	157
166	Pressure-induced superconducting state in crystalline boron nanowires. Physical Review B, 2009, 79, .	1.1	18
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