

# Hong-Jun Gao

## List of Publications by Year in descending order

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188  
papers

12,005  
citations

46918

47  
h-index

28224

105  
g-index

192  
all docs

192  
docs citations

192  
times ranked

13867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Buckled Silicene Formation on Ir(111). <i>Nano Letters</i> , 2013, 13, 685-690.	4.5	1,074
2	Buckled Germanene Formation on Pt(111). <i>Advanced Materials</i> , 2014, 26, 4820-4824.	11.1	770
3	Recent progress in 2D group-VA semiconductors: from theory to experiment. <i>Chemical Society Reviews</i> , 2018, 47, 982-1021.	18.7	697
4	Monolayer PtSe <sub>2</sub> , a New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. <i>Nano Letters</i> , 2015, 15, 4013-4018.	4.5	560
5	Evidence for Majorana bound states in an iron-based superconductor. <i>Science</i> , 2018, 362, 333-335.	6.0	523
6	Oleylamine as Both Reducing Agent and Stabilizer in a Facile Synthesis of Magnetite Nanoparticles. <i>Chemistry of Materials</i> , 2009, 21, 1778-1780.	3.2	503
7	Reliable Exfoliation of Large-Area High-Quality Flakes of Graphene and Other Two-Dimensional Materials. <i>ACS Nano</i> , 2015, 9, 10612-10620.	7.3	451
8	Highly Ordered, Millimeter-Scale, Continuous, Single-Crystalline Graphene Monolayer Formed on Ru (0001). <i>Advanced Materials</i> , 2009, 21, 2777-2780.	11.1	389
9	Microwave Absorption of Single-Walled Carbon Nanotubes/Soluble Cross-Linked Polyurethane Composites. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13696-13700.	1.5	324
10	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe <sub>2</sub> . <i>Advanced Materials</i> , 2017, 29, 1605407.	11.1	313
11	Roton pair density wave in a strong-coupling kagome superconductor. <i>Nature</i> , 2021, 599, 222-228.	13.7	276
12	Solvothermal-assisted exfoliation process to produce graphene with high yield and high quality. <i>Nano Research</i> , 2009, 2, 706-712.	5.8	224
13	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. <i>Nano Letters</i> , 2018, 18, 2133-2139.	4.5	219
14	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe <sub>2</sub> grown by chemical vapor deposition. <i>Nature Communications</i> , 2021, 12, 809.	5.8	196
15	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. <i>Science</i> , 2020, 367, 189-192.	6.0	172
16	Black Arsenic: A Layered Semiconductor with Extreme In-Plane Anisotropy. <i>Advanced Materials</i> , 2018, 30, e1800754.	11.1	161
17	Metal-like single crystalline boron nanotubes: synthesis and in situ study on electric transport and field emission properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 2197.	6.7	157
18	Atomically precise, custom-design origami graphene nanostructures. <i>Science</i> , 2019, 365, 1036-1040.	6.0	156

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19	Direct observation of spin-layer locking by local Rashba effect in monolayer semiconducting PtSe <sub>2</sub> film. Nature Communications, 2017, 8, 14216.	5.8	151
20	Half-integer level shift of vortex bound states in an iron-based superconductor. Nature Physics, 2019, 15, 1181-1187.	6.5	144
21	Direct Visualization of Surface-Assisted Two-Dimensional Diyne Polycyclotrimerization. Journal of the American Chemical Society, 2014, 136, 5567-5570.	6.6	123
22	Reversible Single Spin Control of Individual Magnetic Molecule by Hydrogen Atom Adsorption. Scientific Reports, 2013, 3, 1210.	1.6	115
23	Direct Evidence of Dirac Signature in Bilayer Germanene Islands on Cu(111). Advanced Materials, 2017, 29, 1606046.	11.1	111
24	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. Advanced Materials, 2018, 30, e1707055.	11.1	110
25	Atomically sharp interface enabled ultrahigh-speed non-volatile memory devices. Nature Nanotechnology, 2021, 16, 882-887.	15.6	105
26	Two-Dimensional Transition Metal Honeycomb Realized: Hf on Ir(111). Nano Letters, 2013, 13, 4671-4674.	4.5	102
27	Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). Applied Physics Letters, 2012, 100, .	1.5	101
28	Fabrication of Vertically Aligned Single-Crystalline Boron Nanowire Arrays and Investigation of Their Field-Emission Behavior. Advanced Materials, 2008, 20, 2609-2615.	11.1	99
29	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
30	Epitaxially grown monolayer VSe <sub>2</sub> : an air-stable magnetic two-dimensional material with low work function at edges. Science Bulletin, 2018, 63, 419-425.	4.3	92
31	Construction of 2D Atomic Crystals on Transition Metal Surfaces: Graphene, Silicene, and Hafnene. Small, 2014, 10, 2215-2225.	5.2	91
32	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
33	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. Advanced Materials, 2018, 30, e1804650.	11.1	86
34	Construction of bilayer PdSe <sub>2</sub> on epitaxial graphene. Nano Research, 2018, 11, 5858-5865.	5.8	84
35	A new Majorana platform in an Fe-As bilayer superconductor. Nature Communications, 2020, 11, 5688.	5.8	84
36	Stable, Reproducible Nanorecording on Rotaxane Thin Films. Journal of the American Chemical Society, 2005, 127, 15338-15339.	6.6	77

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37	Reversible, Erasable, and Rewritable Nanorecording on an H <sub>2</sub> Rotaxane Thin Film. <i>Journal of the American Chemical Society</i> , 2007, 129, 2204-2205.	6.6	73
38	Introduction of Interfacial Charges to Black Phosphorus for a Family of Planar Devices. <i>Nano Letters</i> , 2016, 16, 6870-6878.	4.5	69
39	Evidence of Topological Edge States in Buckled Antimonene Monolayers. <i>Nano Letters</i> , 2019, 19, 6323-6329.	4.5	61
40	On-Surface Synthesis of NBDoped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8873-8879.	7.2	61
41	Kondo Effect of Cobalt Adatoms on a Graphene Monolayer Controlled by Substrate-Induced Ripples. <i>Nano Letters</i> , 2014, 14, 4011-4015.	4.5	60
42	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe <sub>2</sub> . <i>Nano Letters</i> , 2019, 19, 4551-4559.	4.5	60
43	Direct Four-Probe Measurement of Grain-Boundary Resistivity and Mobility in Millimeter-Sized Graphene. <i>Nano Letters</i> , 2017, 17, 5291-5296.	4.5	59
44	Studies of graphene-based nanoelectromechanical switches. <i>Nano Research</i> , 2012, 5, 82-87.	5.8	54
45	Ferroelectric-Gated InSe Photodetectors with High On/Off Ratios and Photoresponsivity. <i>Nano Letters</i> , 2020, 20, 6666-6673.	4.5	53
46	Localized spin-orbit polaron in magnetic Weyl semimetal Co <sub>3</sub> Sn <sub>2</sub> S <sub>2</sub> . <i>Nature Communications</i> , 2020, 11, 5613.	5.8	53
47	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe <sub>2</sub> Nanoplates. <i>Nano Letters</i> , 2019, 19, 8572-8580.	4.5	52
48	Role of Cooperative Interactions in the Intercalation of Heteroatoms between Graphene and a Metal Substrate. <i>Journal of the American Chemical Society</i> , 2015, 137, 7099-7103.	6.6	50
49	Tunable giant magnetoresistance in a single-molecule junction. <i>Nature Communications</i> , 2019, 10, 3599.	5.8	50
50	Identifying and Visualizing the Edge Terminations of Single-Layer MoSe <sub>2</sub> Island Epitaxially Grown on Au(111). <i>ACS Nano</i> , 2017, 11, 1689-1695.	7.3	48
51	InSe/hBN/graphite heterostructure for high-performance 2D electronics and flexible electronics. <i>Nano Research</i> , 2020, 13, 1127-1132.	5.8	48
52	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe <sub>2</sub> . <i>Nature Communications</i> , 2021, 12, 1978.	5.8	45
53	Sulfur-doped graphene nanoribbons with a sequence of distinct band gaps. <i>Nano Research</i> , 2017, 10, 3377-3384.	5.8	44
54	Majorana zero modes in impurity-assisted vortex of LiFeAs superconductor. <i>Nature Communications</i> , 2021, 12, 4146.	5.8	44

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55	Spontaneous Formation of 1D Pattern in Monolayer VSe <sub>2</sub> with Dispersive Adsorption of Pt Atoms for HER Catalysis. <i>Nano Letters</i> , 2019, 19, 4897-4903.	4.5	42
56	Polymorphism and chiral expression in two-dimensional subphthalocyanine crystals on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1318-1322.	1.3	40
57	Ferromagnetism and perfect spin filtering in transition-metal-doped graphyne nanoribbons. <i>Physical Review B</i> , 2015, 92, .	1.1	39
58	Moiré beatings in graphene on Ru(0001). <i>Physical Review B</i> , 2013, 88, .	1.1	38
59	Ordered and tunable Majorana-zero-mode lattice in naturally strained LiFeAs. <i>Nature</i> , 2022, 606, 890-895.	13.7	37
60	Building block analysis of 2D amorphous networks reveals medium range correlation. <i>Journal of Non-Crystalline Solids</i> , 2016, 435, 40-47.	1.5	36
61	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , 2018, 12, 12657-12664.	7.3	34
62	Moiré superlattice-level stick-slip instability originated from geometrically corrugated graphene on a strongly interacting substrate. <i>2D Materials</i> , 2017, 4, 025079.	2.0	33
63	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 326-331.	2.1	33
64	Observation of magnetic adatom-induced Majorana vortex and its hybridization with field-induced Majorana vortex in an iron-based superconductor. <i>Nature Communications</i> , 2021, 12, 1348.	5.8	33
65	Reversible Achiral-to-Chiral Switching of Single Mn-Phthalocyanine Molecules by Thermal Hydrogenation and Inelastic Electron Tunneling Dehydrogenation. <i>ACS Nano</i> , 2014, 8, 2246-2251.	7.3	32
66	Strain-Induced Anisotropic Transport Properties of LaBaCo <sub>2</sub> O <sub>5.5+δ</sub> Thin Films on NdGaO <sub>3</sub> Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8526-8530.	4.0	32
67	Site- and Configuration-Selective Anchoring of Iron-Phthalocyanine on the Step Edges of Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10791-10796.	1.5	31
68	Template-directed assembly of pentacene molecules on epitaxial graphene on Ru(0001). <i>Nano Research</i> , 2013, 6, 131-137.	5.8	31
69	Epitaxy of Ultrathin SnSe Single Crystals on Polydimethylsiloxane: In-Plane Electrical Anisotropy and Gate-Tunable Thermopower. <i>Advanced Electronic Materials</i> , 2016, 2, 1600292.	2.6	31
70	Structural and Electronic Properties of Pb- Intercalated Graphene on Ru(0001). <i>Journal of Physical Chemistry C</i> , 2015, 119, 9839-9844.	1.5	30
71	Recent Advances in Synthesis and Study of 2D Twisted Transition Metal Dichalcogenide Bilayers. <i>Small Structures</i> , 2021, 2, 2000153.	6.9	29
72	NBn-Doped <i>Bis</i> -Tetracene and <i>Peri</i> -Tetracene: Synthesis and Characterization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26115-26121.	7.2	29

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73	A non-planar organic molecule with non-volatile electrical bistability for nano-scale data storage. Journal of Materials Chemistry, 2007, 17, 3530.	6.7	27
74	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
75	Revealing the Atomic Site-Dependent $g$ Factor within a Single Magnetic Molecule via the Extended Kondo Effect. Physical Review Letters, 2015, 114, 126601.	2.9	26
76	Impurity-induced formation of bilayered graphene on copper by chemical vapor deposition. Nano Research, 2016, 9, 2803-2810.	5.8	26
77	Bandgap broadening at grain boundaries in single-layer MoS <sub>2</sub> . Nano Research, 2018, 11, 6102-6109.	5.8	26
78	Air-Stable Monolayer Cu <sub>2</sub> Se Exhibits a Purely Thermal Structural Phase Transition. Advanced Materials, 2020, 32, e1908314.	11.1	26
79	Termination of Ge surfaces with ultrathin GeS and GeS <sub>2</sub> layers via solid-state sulfurization. Physical Chemistry Chemical Physics, 2017, 19, 32473-32480.	1.3	25
80	Atomic-scale visualization of chiral charge density wave superlattices and their reversible switching. Nature Communications, 2022, 13, 1843.	5.8	25
81	Room-Temperature, Low-Barrier Boron Doping of Graphene. Nano Letters, 2015, 15, 6464-6468.	4.5	24
82	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. Advanced Materials, 2016, 28, 5013-5017.	11.1	24
83	Multichannel interaction mechanism in a molecule-metal interface. Physical Review B, 2008, 77, .	1.1	23
84	Design of Two-Dimensional Graphene-like Dirac Materials $\hat{I}^2$ -XBeB <sub>5</sub> (X = H, F). Tj ETQq0 0 0 rgBT /Overlock 4594-4599.	2.1	23
85	Sizable Band Gap in Epitaxial Bilayer Graphene Induced by Silicene Intercalation. Nano Letters, 2020, 20, 2674-2680.	4.5	23
86	Fluctuation of Interfacial Electronic Properties Induces Friction Tuning under an Electric Field. Nano Letters, 2022, 22, 1889-1896.	4.5	23
87	Single crystalline highly epitaxial Pt thin films on (001) SrTiO <sub>3</sub> . Applied Physics Letters, 2008, 92, .	1.5	22
88	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
89	Modeling Atomic-Scale Electrical Contact Quality Across Two-Dimensional Interfaces. Nano Letters, 2019, 19, 3654-3662.	4.5	21
90	Simultaneous generation of direct- and indirect-gap photoluminescence in multilayer MoS <sub>2</sub> bubbles. Physical Review Materials, 2020, 4, .	2.5	21

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91	Effect of Contact Mode on the Electrical Transport and Field-Emission Performance of Individual Boron Nanowires. <i>Advanced Functional Materials</i> , 2010, 20, 1994-2003.	7.8	20
92	Surface-Step-Terrace-Induced Anomalous Transport Properties in Highly Epitaxial $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 2496-2499.	4.0	20
93	Interatomic Spin Coupling in Manganese Clusters Registered on Graphene. <i>Physical Review Letters</i> , 2017, 119, 176806.	2.9	20
94	Tuning the morphology of chevron-type graphene nanoribbons by choice of annealing temperature. <i>Nano Research</i> , 2018, 11, 6190-6196.	5.8	20
95	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie</i> , 2020, 132, 8958-8964.	1.6	20
96	Monolayer puckered pentagonal $\text{VTe}_2$ : An emergent two-dimensional ferromagnetic semiconductor with multiferroic coupling. <i>Nano Research</i> , 2022, 15, 1486-1491.	5.8	20
97	Synthesis, characterization and self-assemblies of magnetite nanoparticles. <i>Surface and Interface Analysis</i> , 2006, 38, 1063-1067.	0.8	19
98	Fabrication of Millimeter-Scale, Single-Crystal One-Third-Hydrogenated Graphene with Anisotropic Electronic Properties. <i>Advanced Materials</i> , 2018, 30, 1801838.	11.1	19
99	Insulating $\text{SiO}_2$ under Centimeter-Scale, Single-Crystal Graphene Enables Electronic-Device Fabrication. <i>Nano Letters</i> , 2020, 20, 8584-8591.	4.5	19
100	Stereoselective On-Surface Cyclodehydrofluorization of a Tetraphenylporphyrin and Homochiral Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17413-17416.	7.2	19
101	Pressure-induced superconducting state in crystalline boron nanowires. <i>Physical Review B</i> , 2009, 79, .	1.1	18
102	Self-Assembled Patterns and Young's Modulus of Single-Layer Naphthalocyanine Molecules on $\text{Ag}(111)$ . <i>Journal of Physical Chemistry C</i> , 2015, 119, 8208-8212.	1.5	18
103	Formation of Two-Dimensional $\text{AgTe}$ Monolayer Atomic Crystal on $\text{Ag}(111)$ Substrate. <i>Chinese Physics Letters</i> , 2019, 36, 028102.	1.3	18
104	Two-dimensional self-organization of 1-nonanethiol-capped gold nanoparticles. <i>Science Bulletin</i> , 2001, 46, 996-998.	1.7	17
105	Force-Activated Isomerization of a Single Molecule. <i>Journal of the American Chemical Society</i> , 2020, 142, 10673-10680.	6.6	16
106	A new route to single crystalline vanadium dioxide nanoflakes via thermal reduction. <i>Journal of Materials Research</i> , 2007, 22, 1921-1926.	1.2	15
107	Electronic structure of exfoliated millimeter-sized monolayer $\text{WSe}_2$ on silicon wafer. <i>Nano Research</i> , 2019, 12, 3095-3100.	5.8	15
108	Direct measurements of conductivity and mobility in millimeter-sized single-crystalline graphene via van der Pauw geometry. <i>Chinese Physics B</i> , 2017, 26, 066801.	0.7	14

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109	Lattice-Directed Construction of Metal-Organic Molecular Wires of Pentacene on the Au(110) Surface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21650-21657.	1.5	14
110	Thick Layered Semiconductor Devices with Water Top-Gates: High On-Off Ratio Field-Effect Transistors and Aqueous Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23198-23207.	4.0	14
111	Construction of single-crystalline supramolecular networks of perchlorinated hexa-peri-hexabenzocoronene on Au(111). <i>Journal of Chemical Physics</i> , 2015, 142, 101911.	1.2	13
112	Upgrade of a commercial four-probe scanning tunneling microscopy system. <i>Review of Scientific Instruments</i> , 2017, 88, 063704.	0.6	13
113	Honeycomb AgSe Monolayer Nanosheets for Studying Two-dimensional Dirac Nodal Line Fermions. <i>ACS Applied Nano Materials</i> , 2021, 4, 8845-8850.	2.4	13
114	Advances in two-dimensional heterostructures by mono-element intercalation underneath epitaxial graphene. <i>Progress in Surface Science</i> , 2021, 96, 100637.	3.8	13
115	Visualization of Charge-Density-Wave Reconstruction and Electronic Superstructure at the Edge of Correlated Insulator $\text{1T-NbSe}_2$ . <i>ACS Nano</i> , 2022, 16, 1332-1338.	7.3	13
116	Synthesis of monodisperse $\text{CoPt}_3$ nanocrystals and their catalytic behavior for growth of boron nanowires. <i>Nano Research</i> , 2011, 4, 780-787.	5.8	12
117	Fabrication of patterned boron carbide nanowires and their electrical, field emission, and flexibility properties. <i>Nano Research</i> , 2012, 5, 896-902.	5.8	12
118	Construction of two-dimensional hydrogen clusters on Au(111) directed by phthalocyanine molecules. <i>Nano Research</i> , 2014, 7, 79-84.	5.8	12
119	Layer-by-Layer Epitaxy of Porphyrin-Ligand Fe(II)-Fe(III) Nanoarchitectures for Advanced Metal-Organic Framework Growth. <i>ACS Applied Nano Materials</i> , 2020, 3, 11752-11759.	2.4	12
120	Manipulation and four-probe analysis of nanowires in UHV by application of four tunneling microscope tips: a new method for the investigation of electrical transport through nanowires. <i>Surface and Interface Analysis</i> , 2006, 38, 1096-1102.	0.8	11
121	Anomalous phase relations of quantum size effects in ultrathin Pb films on Si(111). <i>Physical Review B</i> , 2013, 87, .	1.1	11
122	Evidence for Ultralow-Energy Vibrations in Large Organic Molecules. <i>Nano Letters</i> , 2017, 17, 4929-4933.	4.5	11
123	Barrierless On-Surface Metal Incorporation in Phthalocyanine-Based Molecules. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6678-6683.	1.5	11
124	Centimeter-scale, single-crystalline, AB-stacked bilayer graphene on insulating substrates. <i>2D Materials</i> , 2019, 6, 045044.	2.0	11
125	Wrinkle-induced highly conductive channels in graphene on $\text{SiO}_2/\text{Si}$ substrates. <i>Nanoscale</i> , 2020, 12, 12038-12045.	2.8	11
126	Reversible switching of Kondo resonance in a single-molecule junction. <i>Nano Research</i> , 2022, 15, 1466-1471.	5.8	11



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127	Twisted charge-density-wave patterns in bilayer 2D crystals and modulated electronic states. 2D Materials, 2022, 9, 014007.	2.0	11
128	Stable and reversible optoelectrical dual-mode data storage based on a ferrocenylspiropyran molecule. Applied Physics Letters, 2009, 95, 183307.	1.5	10
129	Self-assembly of molecular wires on H-terminated Si(100) surfaces driven by London dispersion forces. Physical Review B, 2011, 84, .	1.1	10
130	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
131	Recovery of edge states of graphene nanoislands on an iridium substrate by silicon intercalation. Nano Research, 2018, 11, 3722-3729.	5.8	10
132	Nanoscale Control of One-Dimensional Confined States in Strongly Correlated Homojunctions. Nano Letters, 2022, 22, 1190-1197.	4.5	10
133	Alternating the Crystalline Structural Transition of Coronene Molecular Overlayers on Ag(110) through Temperature Increase. Journal of Physical Chemistry C, 2009, 113, 17643-17647.	1.5	9
134	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
135	A low-temperature scanning probe microscopy system with molecular beam epitaxy and optical access. Review of Scientific Instruments, 2018, 89, 113705.	0.6	9
136	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. Nano Research, 2021, 14, 1390-1396.	5.8	9
137	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
138	Recent progress of scanning tunneling microscopy/spectroscopy study of Majorana bound states in the FeTe <sub>0.55</sub> Se <sub>0.45</sub> superconductor. Superconductor Science and Technology, 2021, 34, 073001.	1.8	9
139	Observation of a Charge Density Wave in Monolayer $\text{TiSe}_2$ $\text{Tj ETQq1 1 0.784314}$ 2022, 128, 026401.	2.8	9
140	Line defects in monolayer TiSe <sub>2</sub> with adsorption of Pt atoms potentially enable excellent catalytic activity. Nano Research, 2022, 15, 4687-4692.	5.8	9
141	Reversible and Reproducible Conductance Transition in a Polyimide Thin Film. Journal of Physical Chemistry C, 2008, 112, 17038-17041.	1.5	8
142	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
143	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
144	From bidirectional rectifier to polarity-controllable transistor in black phosphorus by dual gate modulation. 2D Materials, 2017, 4, 025056.	2.0	7

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145	Spectroscopic signatures of edge states in hexagonal boron nitride. <i>Nano Research</i> , 2019, 12, 1663-1667.	5.8	7
146	Edge- and strain-induced band bending in bilayer-monolayer Pb <sub>2</sub> Se <sub>3</sub> heterostructures. <i>Chinese Physics B</i> , 2021, 30, 018105.	0.7	7
147	Intercalation of germanium oxide beneath large-area and high-quality epitaxial graphene on Ir(111) substrate*. <i>Chinese Physics B</i> , 2021, 30, 048102.	0.7	7
148	Epitaxial synthesis and electronic properties of monolayer Pd <sub>2</sub> Se <sub>3</sub> *. <i>Chinese Physics B</i> , 2020, 29, 098102.	0.7	7
149	Structural and Conductance Transitions of Rotaxane Based Nanostructures and Application in Nanorecording. <i>Journal of Computational and Theoretical Nanoscience</i> , 2006, 3, 970-981.	0.4	7
150	Synthesis of PbTe/Pb quasi-one-dimensional nanostructure material arrays by electrodeposition. <i>Applied Physics Letters</i> , 2010, 96, 143113.	1.5	6
151	Adsorption behavior of Fe atoms on a naphthalocyanine monolayer on Ag(111) surface. <i>Chinese Physics B</i> , 2015, 24, 076802.	0.7	6
152	Controllable Density of Atomic Bromine in a Two-Dimensional Hydrogen Bond Network. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25681-25684.	1.5	6
153	Fabrication of large-scale graphene/2D-germanium heterostructure by intercalation. <i>Chinese Physics B</i> , 2019, 28, 078103.	0.7	6
154	The As-surface of an iron-based superconductor CaKFe <sub>4</sub> As <sub>4</sub> . <i>Nano Research</i> , 2021, 14, 3921-3925.	5.8	6
155	Size Dependence of Charge-Density-Wave Orders in Single-Layer NbSe <sub>2</sub> Hetero/Homophase Junctions. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1901-1907.	2.1	6
156	Dimensional crossover in self-intercalated antiferromagnetic $V_5S_8$ nanoflakes. <i>Physical Review B</i> , 2022, 105, .	1.1	6
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