

# Hong-Jun Gao

## List of Publications by Citations

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180  
papers

8,623  
citations

40  
h-index

90  
g-index

192  
ext. papers

10,431  
ext. citations

10.5  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
180	Buckled silicene formation on Ir(111). <i>Nano Letters</i> , <b>2013</b> , 13, 685-90	11.5	950
179	Buckled germanene formation on Pt(111). <i>Advanced Materials</i> , <b>2014</b> , 26, 4820-4	24	611
178	Recent progress in 2D group-VA semiconductors: from theory to experiment. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 982-1021	58.5	549
177	Oleylamine as Both Reducing Agent and Stabilizer in a Facile Synthesis of Magnetite Nanoparticles. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1778-1780	9.6	458
176	Monolayer PtSe <sub>2</sub> : A New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. <i>Nano Letters</i> , <b>2015</b> , 15, 4013-8	11.5	420
175	Highly Ordered, Millimeter-Scale, Continuous, Single-Crystalline Graphene Monolayer Formed on Ru (0001). <i>Advanced Materials</i> , <b>2009</b> , 21, 2777-2780	24	351
174	Reliable Exfoliation of Large-Area High-Quality Flakes of Graphene and Other Two-Dimensional Materials. <i>ACS Nano</i> , <b>2015</b> , 9, 10612-20	16.7	334
173	Evidence for Majorana bound states in an iron-based superconductor. <i>Science</i> , <b>2018</b> , 362, 333-335	33.3	299
172	Microwave Absorption of Single-Walled Carbon Nanotubes/Soluble Cross-Linked Polyurethane Composites. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 13696-13700	3.8	280
171	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe. <i>Advanced Materials</i> , <b>2017</b> , 29, 16054-07	24.07	249
170	Solvothermal-assisted exfoliation process to produce graphene with high yield and high quality. <i>Nano Research</i> , <b>2009</b> , 2, 706-712	10	198
169	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. <i>Nano Letters</i> , <b>2018</b> , 18, 2133-2139	11.5	159
168	Metal-like single crystalline boron nanotubes: synthesis and in situ study on electric transport and field emission properties. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 2197		139
167	Direct visualization of surface-assisted two-dimensional diyne polycyclotrimerization. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5567-70	16.4	115
166	Direct observation of spin-layer locking by local Rashba effect in monolayer semiconducting PtSe film. <i>Nature Communications</i> , <b>2017</b> , 8, 14216	17.4	110
165	Black Arsenic: A Layered Semiconductor with Extreme In-Plane Anisotropy. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800754	24	109
164	Reversible single spin control of individual magnetic molecule by hydrogen atom adsorption. <i>Scientific Reports</i> , <b>2013</b> , 3, 1210	4.9	106

163	Atomically precise, custom-design origami graphene nanostructures. <i>Science</i> , <b>2019</b> , 365, 1036-1040	33.3	95
162	Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). <i>Applied Physics Letters</i> , <b>2012</b> , 100, 093101	3.4	90
161	Two-dimensional transition metal honeycomb realized: Hf on Ir(111). <i>Nano Letters</i> , <b>2013</b> , 13, 4671-4	11.5	89
160	Fabrication of Vertically Aligned Single-Crystalline Boron Nanowire Arrays and Investigation of Their Field-Emission Behavior. <i>Advanced Materials</i> , <b>2008</b> , 20, 2609-2615	24	88
159	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. <i>Science</i> , <b>2020</b> , 367, 189-192	33.3	80
158	Dopamine as a Carbon Source: The Controlled Synthesis of Hollow Carbon Spheres and Yolk-Structured Carbon Nanocomposites. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6931-6934	3.6	77
157	Construction of 2D atomic crystals on transition metal surfaces: graphene, silicene, and hafnene. <i>Small</i> , <b>2014</b> , 10, 2215-25	11	74
156	Direct Evidence of Dirac Signature in Bilayer Germanene Islands on Cu(111). <i>Advanced Materials</i> , <b>2017</b> , 29, 1606046	24	72
155	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707055	24	72
154	Stable, reproducible nanorecording on rotaxane thin films. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 15338-9	16.4	72
153	Reversible, erasable, and rewritable nanorecording on an H2 rotaxane thin film. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 2204-5	16.4	70
152	Half-integer level shift of vortex bound states in an iron-based superconductor. <i>Nature Physics</i> , <b>2019</b> , 15, 1181-1187	16.2	69
151	Sequence of Silicon Monolayer Structures Grown on a Ru Surface: from a Herringbone Structure to Silicene. <i>Nano Letters</i> , <b>2017</b> , 17, 1161-1166	11.5	67
150	Epitaxial growth and physical properties of 2D materials beyond graphene: from monatomic materials to binary compounds. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 6073-6100	58.5	63
149	Construction of bilayer PdSe2 on epitaxial graphene. <i>Nano Research</i> , <b>2018</b> , 11, 5858-5865	10	62
148	Epitaxially grown monolayer VSe2: an air-stable magnetic two-dimensional material with low work function at edges. <i>Science Bulletin</i> , <b>2018</b> , 63, 419-425	10.6	61
147	Introduction of Interfacial Charges to Black Phosphorus for a Family of Planar Devices. <i>Nano Letters</i> , <b>2016</b> , 16, 6870-6878	11.5	60
146	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804650	11.5	55

145	Kondo effect of cobalt adatoms on a graphene monolayer controlled by substrate-induced ripples. <i>Nano Letters</i> , <b>2014</b> , 14, 4011-5	11.5	51
144	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe grown by chemical vapor deposition. <i>Nature Communications</i> , <b>2021</b> , 12, 809	17.4	51
143	Direct Four-Probe Measurement of Grain-Boundary Resistivity and Mobility in Millimeter-Sized Graphene. <i>Nano Letters</i> , <b>2017</b> , 17, 5291-5296	11.5	48
142	Roton pair density wave in a strong-coupling kagome superconductor. <i>Nature</i> , <b>2021</b> , 599, 222-228	50.4	47
141	Studies of graphene-based nanoelectromechanical switches. <i>Nano Research</i> , <b>2012</b> , 5, 82-87	10	46
140	Evidence of Topological Edge States in Buckled Antimonene Monolayers. <i>Nano Letters</i> , <b>2019</b> , 19, 6323-6329	16.4	40
139	Role of Cooperative Interactions in the Intercalation of Heteroatoms between Graphene and a Metal Substrate. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7099-103	16.4	38
138	Polymorphism and chiral expression in two-dimensional subphthalocyanine crystals on Au(111). <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 1318-22	3.6	38
137	Identifying and Visualizing the Edge Terminations of Single-Layer MoSe Island Epitaxially Grown on Au(111). <i>ACS Nano</i> , <b>2017</b> , 11, 1689-1695	16.7	35
136	Moiré beatings in graphene on Ru(0001). <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	35
135	Sulfur-doped graphene nanoribbons with a sequence of distinct band gaps. <i>Nano Research</i> , <b>2017</b> , 10, 3377-3384	10	33
134	Ferromagnetism and perfect spin filtering in transition-metal-doped graphyne nanoribbons. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	32
133	Spontaneous Formation of 1D Pattern in Monolayer VSe with Dispersive Adsorption of Pt Atoms for HER Catalysis. <i>Nano Letters</i> , <b>2019</b> , 19, 4897-4903	11.5	31
132	Building block analysis of 2D amorphous networks reveals medium range correlation. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 435, 40-47	3.9	31
131	Reversible achiral-to-chiral switching of single Mn--phthalocyanine molecules by thermal hydrogenation and inelastic electron tunneling dehydrogenation. <i>ACS Nano</i> , <b>2014</b> , 8, 2246-51	16.7	31
130	Strain-induced anisotropic transport properties of LaBaCoO <sub>4</sub> thin films on NdGaO <sub>3</sub> substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 8526-30	9.5	28
129	Template-directed assembly of pentacene molecules on epitaxial graphene on Ru(0001). <i>Nano Research</i> , <b>2013</b> , 6, 131-137	10	28
128	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8873-8879	16.4	27

127	Site- and Configuration-Selective Anchoring of IronPorphthalocyanine on the Step Edges of Au(111) Surface. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 10791-10796	3.8	27
126	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe. <i>Nano Letters</i> , <b>2019</b> , 19, 4551-4555	3.8	26
125	Structural and Electronic Properties of Pb- Intercalated Graphene on Ru(0001). <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 9839-9844	3.8	26
124	Localized spin-orbit polaron in magnetic Weyl semimetal CoSnS. <i>Nature Communications</i> , <b>2020</b> , 11, 5613	17.4	26
123	Tuning structural and mechanical properties of two-dimensional molecular crystals: the roles of carbon side chains. <i>Nano Letters</i> , <b>2012</b> , 12, 1229-34	11.5	26
122	A non-planar organic molecule with non-volatile electrical bistability for nano-scale data storage. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 3530		26
121	Atomically sharp interface enabled ultrahigh-speed non-volatile memory devices. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 882-887	28.7	26
120	Revealing the atomic site-dependent g factor within a single magnetic molecule via the extended Kondo effect. <i>Physical Review Letters</i> , <b>2015</b> , 114, 126601	7.4	24
119	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe Nanoplates. <i>Nano Letters</i> , <b>2019</b> , 19, 8572-8580	11.5	24
118	InSe/hBN/graphite heterostructure for high-performance 2D electronics and flexible electronics. <i>Nano Research</i> , <b>2020</b> , 13, 1127-1132	10	24
117	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 326-331	6.4	23
116	Epitaxy of Ultrathin SnSe Single Crystals on Polydimethylsiloxane: In-Plane Electrical Anisotropy and Gate-Tunable Thermopower. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600292	6.4	23
115	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , <b>2018</b> , 12, 12657-12664	16.7	23
114	Moiré-superlattice-level stick-slip instability originated from geometrically corrugated graphene on a strongly interacting substrate. <i>2D Materials</i> , <b>2017</b> , 4, 025079	5.9	22
113	Multichannel interaction mechanism in a molecule-metal interface. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	22
112	A new Majorana platform in an Fe-As bilayer superconductor. <i>Nature Communications</i> , <b>2020</b> , 11, 5688	17.4	22
111	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , <b>2016</b> , 28, 5013-7	24	22
110	Tunable giant magnetoresistance in a single-molecule junction. <i>Nature Communications</i> , <b>2019</b> , 10, 3599	17.4	21

109	Impurity-induced formation of bilayered graphene on copper by chemical vapor deposition. <i>Nano Research</i> , <b>2016</b> , 9, 2803-2810	10	19
108	Room-Temperature, Low-Barrier Boron Doping of Graphene. <i>Nano Letters</i> , <b>2015</b> , 15, 6464-8	11.5	18
107	Design of Two-Dimensional Graphene-like Dirac Materials $\text{XBeB}$ (X = H, F, Cl) from Non-graphene-like $\text{B}$ orophene. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4594-4599	6.4	18
106	Single crystalline highly epitaxial Pt thin films on (001) SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2008</b> , 92, 102102	3.4	18
105	Synthesis, characterization and self-assemblies of magnetite nanoparticles. <i>Surface and Interface Analysis</i> , <b>2006</b> , 38, 1063-1067	1.5	18
104	Modification of the Potential Landscape of Molecular Rotors on Au(111) by the Presence of an STM Tip. <i>Nano Letters</i> , <b>2018</b> , 18, 4704-4709	11.5	17
103	Bandgap broadening at grain boundaries in single-layer MoS <sub>2</sub> . <i>Nano Research</i> , <b>2018</b> , 11, 6102-6109	10	17
102	Surface-step-terrace-induced anomalous transport properties in highly epitaxial La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> thin films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 2496-9	9.5	17
101	Effect of Contact Mode on the Electrical Transport and Field-Emission Performance of Individual Boron Nanowires. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1994-2003	15.6	17
100	Self-Assembled Patterns and Young's Modulus of Single-Layer Naphthalocyanine Molecules on Ag(111). <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 8208-8212	3.8	16
99	Termination of Ge surfaces with ultrathin GeS and GeS layers via solid-state sulfurization. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 32473-32480	3.6	15
98	Pressure-induced superconducting state in crystalline boron nanowires. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	15
97	A new route to single crystalline vanadium dioxide nanoflakes via thermal reduction. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 1921-1926	2.5	15
96	Ferroelectric-Gated InSe Photodetectors with High On/Off Ratios and Photoresponsivity. <i>Nano Letters</i> , <b>2020</b> , 20, 6666-6673	11.5	15
95	Interatomic Spin Coupling in Manganese Clusters Registered on Graphene. <i>Physical Review Letters</i> , <b>2017</b> , 119, 176806	7.4	14
94	Sizable Band Gap in Epitaxial Bilayer Graphene Induced by Silicene Intercalation. <i>Nano Letters</i> , <b>2020</b> , 20, 2674-2680	11.5	14
93	Fabrication of Millimeter-Scale, Single-Crystal One-Third-Hydrogenated Graphene with Anisotropic Electronic Properties. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801838	24	14
92	Formation of Two-Dimensional AgTe Monolayer Atomic Crystal on Ag(111) Substrate. <i>Chinese Physics Letters</i> , <b>2019</b> , 36, 028102	1.8	13

91	Tuning the morphology of chevron-type graphene nanoribbons by choice of annealing temperature. <i>Nano Research</i> , <b>2018</b> , 11, 6190-6196	10	13
90	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> , <b>2018</b> , 10, 23198-23207	9.5	13
89	Upgrade of a commercial four-probe scanning tunneling microscopy system. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 063704	1.7	12
88	Air-Stable Monolayer Cu Se Exhibits a Purely Thermal Structural Phase Transition. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908314	24	12
87	Insulating SiO under Centimeter-Scale, Single-Crystal Graphene Enables Electronic-Device Fabrication. <i>Nano Letters</i> , <b>2020</b> , 20, 8584-8591	11.5	12
86	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe. <i>Nature Communications</i> , <b>2021</b> , 12, 1978	17.4	12
85	Construction of two-dimensional hydrogen clusters on Au(111) directed by phthalocyanine molecules. <i>Nano Research</i> , <b>2014</b> , 7, 79-84	10	11
84	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> , <b>2006</b> , 38, 1096-1102	1.5	11
83	Two-dimensional self-organization of 1-nonanethiol-capped gold nanoparticles. <i>Science Bulletin</i> , <b>2001</b> , 46, 996-998		11
82	Centimeter-scale, single-crystalline, AB-stacked bilayer graphene on insulating substrates. <i>2D Materials</i> , <b>2019</b> , 6, 045044	5.9	10
81	Modeling Atomic-Scale Electrical Contact Quality Across Two-Dimensional Interfaces. <i>Nano Letters</i> , <b>2019</b> , 19, 3654-3662	11.5	10
80	Stereoselective On-Surface Cyclodehydrofluorization of a Tetraphenylporphyrin and Homochiral Self-Assembly. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17413-17416	16.4	10
79	Fabrication of patterned boron carbide nanowires and their electrical, field emission, and flexibility properties. <i>Nano Research</i> , <b>2012</b> , 5, 896-902	10	10
78	Anomalous phase relations of quantum size effects in ultrathin Pb films on Si(111). <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	10
77	Synthesis of monodisperse CoPt <sub>3</sub> nanocrystals and their catalytic behavior for growth of boron nanowires. <i>Nano Research</i> , <b>2011</b> , 4, 780-787	10	10
76	Electronic structure of exfoliated millimeter-sized monolayer WSe <sub>2</sub> on silicon wafer. <i>Nano Research</i> , <b>2019</b> , 12, 3095-3100	10	9
75	Lattice-Directed Construction of Metal-Organic Molecular Wires of Pentacene on the Au(110) Surface. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 21650-21657	3.8	9
74	Evidence for Ultralow-Energy Vibrations in Large Organic Molecules. <i>Nano Letters</i> , <b>2017</b> , 17, 4929-4933	11.5	9



73	Stable and reversible optoelectrical dual-mode data storage based on a ferrocenylspiropyran molecule. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 183307	3.4	9
72	Self-assembly of molecular wires on H-terminated Si(100) surfaces driven by London dispersion forces. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	9
71	Recent Advances in Synthesis and Study of 2D Twisted Transition Metal Dichalcogenide Bilayers. <i>Small Structures</i> , <b>2021</b> , 2, 2000153	8.7	9
70	Direct measurements of conductivity and mobility in millimeter-sized single-crystalline graphene via van der Pauw geometry. <i>Chinese Physics B</i> , <b>2017</b> , 26, 066801	1.2	8
69	Construction of single-crystalline supramolecular networks of perchlorinated hexa-peri-hexabenzocoronene on Au(111). <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 101911	3.9	8
68	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8958-8964	3.6	8
67	Recovery of edge states of graphene nanoislands on an iridium substrate by silicon intercalation. <i>Nano Research</i> , <b>2018</b> , 11, 3722-3729	10	8
66	Constructing molecular structures on periodic superstructure of graphene/Ru(0001). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2014</b> , 372, 20130015	3	8
65	Alternating the Crystalline Structural Transition of Coronene Molecular Overlayers on Ag(110) through Temperature Increase. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 17643-17647	3.8	8
64	Simultaneous generation of direct- and indirect-gap photoluminescence in multilayer MoS <sub>2</sub> bubbles. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	8
63	Tuning Molecular Superlattice by Charge-Density-Wave Patterns in Two-Dimensional Monolayer Crystals. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 3545-3551	6.4	8
62	Force-Activated Isomerization of a Single Molecule. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10673-10680	16.4	7
61	Barrierless On-Surface Metal Incorporation in Phthalocyanine-Based Molecules. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 6678-6683	3.8	7
60	Reversible and Reproducible Conductance Transition in a Polyimide Thin Film. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 17038-17041	3.8	7
59	Observation of magnetic adatom-induced Majorana vortex and its hybridization with field-induced Majorana vortex in an iron-based superconductor. <i>Nature Communications</i> , <b>2021</b> , 12, 1348	17.4	7
58	Spectroscopic signatures of edge states in hexagonal boron nitride. <i>Nano Research</i> , <b>2019</b> , 12, 1663-1667 <sup>10</sup>		6
57	Fabrication of large-scale graphene/2D-germanium heterostructure by intercalation. <i>Chinese Physics B</i> , <b>2019</b> , 28, 078103	1.2	6
56	Thermally Controlled Adenine Dimer Chain Rotation on Cu(110): The Critical Role of van der Waals Interactions. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 6278-6282	3.8	6



55	Synthesis of PbTe/Pb quasi-one-dimensional nanostructure material arrays by electrodeposition. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 143113	3.4	6
54	Anchoring of a single molecular rotor and its array on metal surfaces using molecular design and self-assembly. <i>International Journal of Molecular Sciences</i> , <b>2010</b> , 11, 656-71	6.3	6
53	Nanoscale Control of One-Dimensional Confined States in Strongly Correlated Homojunctions.. <i>Nano Letters</i> , <b>2022</b> ,	11.5	6
52	NBN-Doped Bis-Tetracene and Peri-Tetracene: Synthesis and Characterization. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 26115-26121	16.4	6
51	Adsorption behavior of Fe atoms on a naphthalocyanine monolayer on Ag(111) surface. <i>Chinese Physics B</i> , <b>2015</b> , 24, 076802	1.2	5
50	Structural Transition and Thermal Stability of a Coronene Molecular Monolayer on Cu(110). <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 11180-11184	3.8	5
49	Layer-by-Layer Epitaxy of Porphyrin Ligand Fe(II)-Fe(III) Nanoarchitectures for Advanced Metal-Organic Framework Growth. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 11752-11759	5.6	5
48	Edge- and strain-induced band bending in bilayer-monolayer Pb <sub>2</sub> Se <sub>3</sub> heterostructures. <i>Chinese Physics B</i> , <b>2021</b> , 30, 018105	1.2	5
47	Honeycomb AgSe Monolayer Nanosheets for Studying Two-dimensional Dirac Nodal Line Fermions. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 8845-8850	5.6	5
46	Substrate, a choice of engineering the pseudospin in graphene. <i>2D Materials</i> , <b>2019</b> , 6, 045050	5.9	4
45	Identifying multiple configurations of complex molecules on metal surfaces. <i>Small</i> , <b>2012</b> , 8, 796-806, 795	11	4
44	Twisted charge-density-wave patterns in bilayer 2D crystals and modulated electronic states. <i>2D Materials</i> , <b>2022</b> , 9, 014007	5.9	4
43	Structural and Conductance Transitions of Rotaxane Based Nanostructures and Application in Nanorecording. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2006</b> , 3, 970-981	0.3	4
42	Construction of monolayer IrTe <sub>2</sub> and the structural transition under low temperatures. <i>Chinese Physics B</i> , <b>2020</b> , 29, 078102	1.2	4
41	Epitaxial synthesis and electronic properties of monolayer Pd <sub>2</sub> Se <sub>3</sub> . <i>Chinese Physics B</i> , <b>2020</b> , 29, 098102	1.2	4
40	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. <i>Nano Research</i> , <b>2021</b> , 14, 1390-1396	10	4
39	Controllable Density of Atomic Bromine in a Two-Dimensional Hydrogen Bond Network. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 25681-25684	3.8	4
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21	Novel two-dimensional transition metal chalcogenides created by epitaxial growth. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	2
20	Atomic-scale visualization of chiral charge density wave superlattices and their reversible switching.. <i>Nature Communications</i> , <b>2022</b> , 13, 1843	17.4	2

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18	Surfaces: Identifying Multiple Configurations of Complex Molecules on Metal Surfaces (Small 6/2012). <i>Small</i> , <b>2012</b> , 8, 795-795	11	1
17	Boron Nanowires for Flexible Electronics and Field Emission <b>2009</b> ,		1
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