

Shixuan Du

List of Publications by Year in descending order

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332
papers

15,878
citations

21215

62
h-index

23841

115
g-index

342
all docs

342
docs citations

342
times ranked

17787
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	Intrinsically scale-free ferroelectricity in two-dimensional M ₂ X ₂ Y ₆ . Nano Research, 2022, 15, 3704-3710.	5.8	11
3	Structures and electronic properties of functional molecules on metal substrates: From single molecule to self-assemblies. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, e1591.	6.2	3
4	Intrinsically Honeycomb-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	Reversible Selbstorganisation eines N-heterocyclischen Carbens auf Metalloberflächen. Angewandte Chemie, 2022, 134, e202115104.	1.6	4
7	Observation of an Incommensurate Charge Density Wave in Monolayer TiSe_2 . https://doi.org/10.1021/acs.nanolett.2c02640	2.8	9
8	Reversible Self-Assembly of an N-Heterocyclic Carbene on Metal Surfaces. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
9	Anisotropic Carrier Mobility from 2H WSe ₂ . Advanced Materials, 2022, 34, e2108615.	11.1	11
10	Engineering the Local Atomic Environments of Indium Single-Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie, 2022, 134, .	1.6	27
11	Engineering the Local Atomic Environments of Indium Single-Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie - International Edition, 2022, 61, .	7.2	127
12	Twisted charge-density-wave patterns in bilayer 2D crystals and modulated electronic states. 2D Materials, 2022, 9, 014007.	2.0	11
13	Research progress of novel properties in several van der Waals ferroelectric materials. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 127305.	0.2	1
14	Construction and physical properties of low-dimensional structures for nanoscale electronic devices. Physical Chemistry Chemical Physics, 2022, 24, 9082-9117.	1.3	3
15	Size Dependence of Charge-Density-Wave Orders in Single-Layer NbSe ₂ Hetero/Homophase Junctions. Journal of Physical Chemistry Letters, 2022, 13, 1901-1907.	2.1	6
16	Fluctuation of Interfacial Electronic Properties Induces Friction Tuning under an Electric Field. Nano Letters, 2022, 22, 1889-1896.	4.5	23
17	Robustness of the unidirectional stripe order in the kagome superconductor CsV ₃ Sb ₅ . Chinese Physics B, 2022, 31, 058102.	0.7	8
18	Ferroelectric-gated ReS ₂ field-effect transistors for nonvolatile memory. Nano Research, 2022, 15, 5443-5449.	5.8	5

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19	Atomic-scale visualization of chiral charge density wave superlattices and their reversible switching. Nature Communications, 2022, 13, 1843.	5.8	25
20	Line defects in monolayer TiSe ₂ with adsorption of Pt atoms potentially enable excellent catalytic activity. Nano Research, 2022, 15, 4687-4692.	5.8	9
21	Visualization of Charge-Density-Wave Reconstruction and Electronic Superstructure at the Edge of Correlated Insulator 1T-NbSe ₂ . ACS Nano, 2022, 16, 1332-1338.	7.3	13
22	An efficient route to prepare suspended monolayer for feasible optical and electronic characterizations of two-dimensional materials. Informa <i>Open Materials</i> , 2022, 4, .	8.5	25
23	Surface atomic manipulation of low-dimensional structures. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.2	0
24	Local Density of States Modulated by Strain in Marginally Twisted Bilayer Graphene. Chinese Physics Letters, 2022, 39, 047403.	1.3	2
25	Rational Design of Heteroanionic Two-Dimensional Materials with Emerging Topological, Magnetic, and Dielectric Properties. Journal of Physical Chemistry Letters, 2022, , 3594-3601.	2.1	9
26	Charge density wave states in phase-engineered monolayer VTe ₂ . Chinese Physics B, 2022, 31, 077101.	0.7	4
27	Tunable, Ferroelectricity-Inducing, Spin-Spiral Magnetic Ordering in Monolayer FeOCl. Nano Letters, 2022, 22, 3598-3603.	4.5	7
28	Intrinsically patterned corrals in monolayer Ag ₅ Se ₂ and selective molecular co-adsorption. Nano Research, 2022, 15, 6730-6735.	5.8	3
29	Optical second-harmonic generation of Janus MoSSe monolayer. Chinese Physics B, 2022, 31, 097304.	0.7	6
30	Exploring Majorana zero modes in iron-based superconductors. Chinese Physics B, 2022, 31, 080301.	0.7	5
31	Chirality locking charge density waves in a chiral crystal. Nature Communications, 2022, 13, .	5.8	12
32	Thermal transport of monolayer amorphous carbon and boron nitride. Applied Physics Letters, 2022, 120, .	1.5	3
33	Dimensional crossover in self-intercalated antiferromagnetic V_5S_8 nanoflakes. Physical Review B, 2022, 105, .	1.1	6
34	Ordered and tunable Majorana-zero-mode lattice in naturally strained LiFeAs. Nature, 2022, 606, 890-895.	18.7	37
35	Silver Single-Atom Catalyst for Efficient Electrochemical CO ₂ Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie - International Edition, 2021, 60, 6170-6176.	7.2	236
36	Silver Single-Atom Catalyst for Efficient Electrochemical CO ₂ Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie, 2021, 133, 6235-6241.	1.6	22

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37	Two-dimensional MX Dirac materials and quantum spin Hall insulators with tunable electronic and topological properties. <i>Nano Research</i> , 2021, 14, 584-589.	5.8	14
38	Adsorption of 4,4'-Diamino-p-Terphenyl on Cu(001): A First-Principles Study. <i>Surfaces</i> , 2021, 4, 31-38.	1.0	1
39	Edge- and strain-induced band bending in bilayer-monolayer Pb ₂ Se ₃ heterostructures. <i>Chinese Physics B</i> , 2021, 30, 018105.	0.7	7
40	Half-auxetic effect and ferroelasticity in a two-dimensional monolayer TiSe. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 144002.	0.7	1
41	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe ₂ grown by chemical vapor deposition. <i>Nature Communications</i> , 2021, 12, 809.	5.8	196
42	The As-surface of an iron-based superconductor CaKFe ₄ As ₄ . <i>Nano Research</i> , 2021, 14, 3921-3925.	5.8	6
43	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe ₂ . <i>Nature Communications</i> , 2021, 12, 1978.	5.8	45
44	Band engineering of honeycomb monolayer CuSe via atomic modification*. <i>Chinese Physics B</i> , 2021, 30, 106807.	0.7	1
45	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
46	Construction of poly-naphthalocyanine linked by [4]-radialene-like structures on silver surfaces. <i>Nano Research</i> , 2021, 14, 4563.	5.8	2
47	Recent Advances in Synthesis and Study of 2D Twisted Transition Metal Dichalcogenide Bilayers. <i>Small Structures</i> , 2021, 2, 2000153.	6.9	29
48	Tuning Molecular Superlattice by Charge-Density-Wave Patterns in Two-Dimensional Monolayer Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3545-3551.	2.1	9
49	One-dimensional weak antilocalization effect in 1Tâ€²-MoTe ₂ nanowires grown by chemical vapor deposition. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 185701.	0.7	0
50	Spin-polarized oxygen evolution reaction under magnetic field. <i>Nature Communications</i> , 2021, 12, 2608.	5.8	242
51	Atomically sharp interface enabled ultrahigh-speed non-volatile memory devices. <i>Nature Nanotechnology</i> , 2021, 16, 882-887.	15.6	105
52	Database Construction for Two-Dimensional Material-Substrate Interfaces. <i>Chinese Physics Letters</i> , 2021, 38, 066801.	1.3	5
53	Spin pinning effect to reconstructed oxyhydroxide layer on ferromagnetic oxides for enhanced water oxidation. <i>Nature Communications</i> , 2021, 12, 3634.	5.8	186
54	Monolayer Iridium Sulfide Halides with High Mobility Transport Anisotropy and Highly Efficient Light Harvesting. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6007-6013.	2.1	9

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55	Geometric, electronic, and optical properties of MoS ₂ /WSe ₂ van der Waals heterojunctions: a first-principles study. <i>Nanotechnology</i> , 2021, 32, 355705.	1.3	4
56	Recent progress of scanning tunneling microscopy/spectroscopy study of Majorana bound states in the FeTe _{0.55} Se _{0.45} superconductor. <i>Superconductor Science and Technology</i> , 2021, 34, 073001.	1.8	9
57	Semiconducting M ₂ X (M = Cu, Ag, Au; X = S, Se, Te) monolayers: A broad range of band gaps and high carrier mobilities. <i>Nano Research</i> , 2021, 14, 2826-2830.	5.8	24
58	Majorana zero modes in impurity-assisted vortex of LiFeAs superconductor. <i>Nature Communications</i> , 2021, 12, 4146.	5.8	44
59	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
60	Tuning Strain Sensor Performance via Programmed Thin-Film Crack Evolution. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38105-38113.	4.0	16
61	Advances in two-dimensional heterostructures by mono-element intercalation underneath epitaxial graphene. <i>Progress in Surface Science</i> , 2021, 96, 100637.	3.8	13
62	Electronic structures of vacancies in Co ₃ Sn ₂ S ₂ *. <i>Chinese Physics B</i> , 2021, 30, 077102.	0.7	1
63	Roton pair density wave in a strong-coupling kagome superconductor. <i>Nature</i> , 2021, 599, 222-228.	13.7	276
64	NBn-doped Bis-Tetracene and Peri-Tetracene: Synthesis and Characterization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26115-26121.	7.2	29
65	Novel two-dimensional transition metal chalcogenides created by epitaxial growth. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	3
66	Ru ₁ Co _n Single-Atom Alloy for Enhancing Fischer-Tropsch Synthesis. <i>ACS Catalysis</i> , 2021, 11, 1886-1896.	5.5	49
67	Controllable fabrication and photocatalytic performance of nanoscale single-layer MoSe ₂ islands with substantial edges on an Ag(111) substrate. <i>Nanoscale</i> , 2021, 13, 19165-19171.	2.8	5
68	A DFT Investigation on the Electronic Structures and Au Adatom Assisted Hydrogenation of Graphene Nanoflake Array. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1110-1115.	1.3	2
69	Manipulation of Dirac Fermions in Nanochain-Structured Graphene. <i>Chinese Physics Letters</i> , 2021, 38, 097101.	1.3	4
70	A time-shared switching scheme designed for multi-probe scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2021, 92, 103702.	0.6	2
71	PTCDA Molecular Monolayer on Pb Thin Films: An Unusual π -Electron Kondo System and Its Interplay with a Quantum-Confined Superconductor. <i>Physical Review Letters</i> , 2021, 127, 186805.	2.9	6
72	Two distinct superconducting states controlled by orientations of local wrinkles in LiFeAs. <i>Nature Communications</i> , 2021, 12, 6312.	5.8	16

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73	Anisotropic point defects in rhenium diselenide monolayers. <i>IScience</i> , 2021, 24, 103456.	1.9	11
74	On-Surface Synthesis and Characterization of Polythiophene Chains. <i>Journal of Physical Chemistry C</i> , 2020, 124, 764-768.	1.5	6
75	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. <i>Science</i> , 2020, 367, 189-192.	6.0	172
76	Quantum anomalous Hall effect in two-dimensional magnetic insulator heterojunctions. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	24
77	Auxetic two-dimensional transition metal selenides and halides. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	27
78	On-surface synthesis of size- and shape-controlled two-dimensional Au nanoclusters using a flexible fullerene molecular template. <i>Nanoscale</i> , 2020, 12, 21657-21664.	2.8	1
79	Direct Visualization of Hydrogen-Transfer Intermediate States by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1536-1541.	2.1	3
80	A new Majorana platform in an Fe-As bilayer superconductor. <i>Nature Communications</i> , 2020, 11, 5688.	5.8	84
81	Layer-by-Layer Epitaxy of Porphyrinâ” Ligand Fe(II)-Fe(III) Nanoarchitectures for Advanced Metalâ€”Organic Framework Growth. <i>ACS Applied Nano Materials</i> , 2020, 3, 11752-11759.	2.4	12
82	Insulating SiO ₂ under Centimeter-Scale, Single-Crystal Graphene Enables Electronic-Device Fabrication. <i>Nano Letters</i> , 2020, 20, 8584-8591.	4.5	19
83	Using graphene to suppress the selenization of Pt for controllable fabrication of monolayer PtSe ₂ . <i>Nano Research</i> , 2020, 13, 3212-3216.	5.8	4
84	Local probe of the interlayer coupling strength of few-layers SnSe by contact-resonance atomic force microscopy. <i>Frontiers of Physics</i> , 2020, 15, 1.	2.4	8
85	Fabrication and manipulation of nanosized graphene homojunction with atomically-controlled boundaries. <i>Nano Research</i> , 2020, 13, 3286-3291.	5.8	3
86	Ferroelectric-Gated InSe Photodetectors with High On/Off Ratios and Photoresponsivity. <i>Nano Letters</i> , 2020, 20, 6666-6673.	4.5	53
87	Localized spin-orbit polaron in magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Nature Communications</i> , 2020, 11, 5613.	5.8	53
88	Anisotropic High Carrier Mobilities of One-Third-Hydrogenated Group-V Elemental Monolayers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12628-12635.	1.5	1
89	Epitaxial fabrication of monolayer copper arsenide on Cu(111)*. <i>Chinese Physics B</i> , 2020, 29, 077301.	0.7	5
90	Two-Dimensional Rare Earthâ€”Gold Intermetallic Compounds on Au(111) by Surface Alloying. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4107-4112.	2.1	10

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91	Thermally Driven Diffusion of a Magic Number Gold- Fullerene Cluster on a Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9990-9995.	1.5	2
92	Universal mechanical exfoliation of large-area 2D crystals. <i>Nature Communications</i> , 2020, 11, 2453.	5.8	394
93	Force-Activated Isomerization of a Single Molecule. <i>Journal of the American Chemical Society</i> , 2020, 142, 10673-10680.	6.6	16
94	Wrinkle-induced highly conductive channels in graphene on SiO ₂ /Si substrates. <i>Nanoscale</i> , 2020, 12, 12038-12045.	2.8	11
95	Highly Flexible Transparent Micromesh Electrodes via Blade-Coated Polymer Networks for Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31687-31695.	4.0	17
96	Sizable Band Gap in Epitaxial Bilayer Graphene Induced by Silicene Intercalation. <i>Nano Letters</i> , 2020, 20, 2674-2680.	4.5	23
97	A unique pentagonal network structure of the NiS ₂ monolayer with high stability and a tunable bandgap. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7483-7488.	1.3	21
98	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie</i> , 2020, 132, 8958-8964.	1.6	20
99	Air-Stable Monolayer Cu ₂ Se Exhibits a Purely Thermal Structural Phase Transition. <i>Advanced Materials</i> , 2020, 32, e1908314.	11.1	26
100	Tuning the Catalytic Activity of a Quantum Nutcracker for Hydrogen Dissociation. <i>Surfaces</i> , 2020, 3, 40-47.	1.0	2
101	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8873-8879.	7.2	61
102	Stereoselective On-Surface Cyclodehydrofluorization of a Tetraphenylporphyrin and Homochiral Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17413-17416.	7.2	19
103	Integration of graphene and two-dimensional ferroelectrics: properties and related functional devices. <i>Nanoscale Horizons</i> , 2020, 5, 1303-1308.	4.1	12
104	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. <i>Chinese Physics Letters</i> , 2020, 37, 068103.	1.3	10
105	Unusual anisotropic thermal expansion in multilayer SnSe leads to positive-to-negative crossover of Poisson's ratio. <i>Applied Physics Letters</i> , 2020, 116, 083101.	1.5	2
106	Large-Area Fabrication of High-Performance Flexible and Wearable Pressure Sensors. <i>Advanced Electronic Materials</i> , 2020, 6, 1901310.	2.6	53
107	Possible Luttinger liquid behavior of edge transport in monolayer transition metal dichalcogenide crystals. <i>Nature Communications</i> , 2020, 11, 659.	5.8	23
108	Visualizing Anisotropic Oxygen Diffusion in Ceria under Activated Conditions. <i>Physical Review Letters</i> , 2020, 124, 056002.	2.9	12

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109	Quantum anomalous Hall effect in two-dimensional Cu-dicyanobenzene coloring-triangle lattice. Nano Research, 2020, 13, 1571-1575.	5.8	14
110	InSe/hBN/graphite heterostructure for high-performance 2D electronics and flexible electronics. Nano Research, 2020, 13, 1127-1132.	5.8	48
111	Electrostatic gating of solid-ion-conductor on InSe flakes and InSe/h-BN heterostructures*. Chinese Physics B, 2020, 29, 118501.	0.7	3
112	Two-Dimensional Crystals: Graphene, Silicene, Germanene, and Stanene. Springer Handbooks, 2020, , 243-266.	0.3	0
113	Half-integer level shift of vortex bound states in an iron-based superconductor. Nature Physics, 2019, 15, 1181-1187.	6.5	144
114	Tunable giant magnetoresistance in a single-molecule junction. Nature Communications, 2019, 10, 3599.	5.8	50
115	Evidence of Topological Edge States in Buckled Antimonene Monolayers. Nano Letters, 2019, 19, 6323-6329.	4.5	61
116	Tin diselenide van der Waals materials as new candidates for mid-infrared waveguide chips. Nanoscale, 2019, 11, 14113-14117.	2.8	4
117	Fabrication of large-scale graphene/2D-germanium heterostructure by intercalation. Chinese Physics B, 2019, 28, 078103.	0.7	6
118	Direct probing of imperfection-induced electrical degradation in millimeter-scale graphene on SiO ₂ substrates. 2D Materials, 2019, 6, 045033.	2.0	2
119	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe ₂ Nanoplates. Nano Letters, 2019, 19, 8572-8580.	4.5	52
120	Behavior of superconductivity in a Pb/Ag heterostructure. Physical Review B, 2019, 100, .	1.1	5
121	Atomically precise, custom-design origami graphene nanostructures. Science, 2019, 365, 1036-1040.	6.0	156
122	Stabilizing the Fermi Level of Cr-Doped Magnetic Topological Insulators by Al Passivation. Journal of Physical Chemistry C, 2019, 123, 3823-3828.	1.5	4
123	Reversible Modification of Nitrogen-Doped Graphene Based on Se-N Dynamic Covalent Bonds for Field-Effect Transistors. ACS Applied Materials & Interfaces, 2019, 11, 24360-24366.	4.0	13
124	Low-temperature growth of large-scale, single-crystalline graphene on Ir(111)*. Chinese Physics B, 2019, 28, 056107.	0.7	9
125	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe ₂ . Nano Letters, 2019, 19, 4551-4559.	4.5	60
126	Modeling Atomic-Scale Electrical Contact Quality Across Two-Dimensional Interfaces. Nano Letters, 2019, 19, 3654-3662.	4.5	21

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127	Spectroscopic signatures of edge states in hexagonal boron nitride. <i>Nano Research</i> , 2019, 12, 1663-1667.	5.8	7
128	Self-Assembly Evolution of Metal-Free Naphthalocyanine Molecules on Ag(111) at the Submonolayer Coverage. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7202-7208.	1.5	5
129	Formation of Two-Dimensional AgTe Monolayer Atomic Crystal on Ag(111) Substrate. <i>Chinese Physics Letters</i> , 2019, 36, 028102.	1.3	18
130	Spontaneous Formation of 1D Pattern in Monolayer VSe ₂ with Dispersive Adsorption of Pt Atoms for HER Catalysis. <i>Nano Letters</i> , 2019, 19, 4897-4903.	4.5	42
131	Recovery of the Dirac states of graphene by intercalating two-dimensional traditional semiconductors. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 194001.	0.7	8
132	Orbital design of topological insulators from two-dimensional semiconductors. <i>Nanoscale</i> , 2019, 11, 22743-22747.	2.8	11
133	Quantum nutcracker for near-room-temperature H ₂ dissociation. <i>Science Bulletin</i> , 2019, 64, 4-7.	4.3	3
134	Construction and manipulation of self-assemble structures on solid surfaces. <i>Scientia Sinica Chimica</i> , 2019, 49, 441-454.	0.2	1
135	Barrierless On-Surface Metal Incorporation in Phthalocyanine-Based Molecules. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6678-6683.	1.5	11
136	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. <i>Advanced Materials</i> , 2018, 30, e1707055.	11.1	110
137	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. <i>Nano Letters</i> , 2018, 18, 2133-2139.	4.5	219
138	Manipulation of domain-wall solitons in bi- and trilayer graphene. <i>Nature Nanotechnology</i> , 2018, 13, 204-208.	15.6	67
139	Recovery of edge states of graphene nanoislands on an iridium substrate by silicon intercalation. <i>Nano Research</i> , 2018, 11, 3722-3729.	5.8	10
140	Electronic effects and fundamental physics studied in molecular interfaces. <i>Chemical Communications</i> , 2018, 54, 5508-5517.	2.2	5
141	Epitaxially grown monolayer VSe ₂ : an air-stable magnetic two-dimensional material with low work function at edges. <i>Science Bulletin</i> , 2018, 63, 419-425.	4.3	92
142	A low-temperature scanning probe microscopy system with molecular beam epitaxy and optical access. <i>Review of Scientific Instruments</i> , 2018, 89, 113705.	0.6	9
143	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. <i>Advanced Materials</i> , 2018, 30, e1804650.	11.1	86
144	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

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145	Construction of bilayer PdSe ₂ on epitaxial graphene. Nano Research, 2018, 11, 5858-5865.	5.8	84
146	Fabrication of Millimeter-Scale, Single-Crystal One-Third-Hydrogenated Graphene with Anisotropic Electronic Properties. Advanced Materials, 2018, 30, 1801838.	11.1	19
147	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
148	Chemistry of 4-[(4-bromophenyl)ethynyl]pyridine at metal surfaces studied by STM. Chemical Communications, 2018, 54, 9305-9308.	2.2	23
149	Intrinsic charge transport behaviors in graphene-black phosphorus van der Waals heterojunction devices. Chinese Physics B, 2018, 27, 077303.	0.7	4
150	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
151	Bandgap broadening at grain boundaries in single-layer MoS ₂ . Nano Research, 2018, 11, 6102-6109.	5.8	26
152	Tuning the morphology of chevron-type graphene nanoribbons by choice of annealing temperature. Nano Research, 2018, 11, 6190-6196.	5.8	20
153	High quality PdTe ₂ thin films grown by molecular beam epitaxy. Chinese Physics B, 2018, 27, 086804.	0.7	39
154	Design Rules for Self-Assembly of 2D Nanocrystal/Metal-Organic Framework Superstructures. Angewandte Chemie, 2018, 130, 13356-13360.	1.6	1
155	Symmetry breakdown of 4,4'-diamino-p-terphenyl on a Cu(111) surface by lattice mismatch. Nature Communications, 2018, 9, 3277.	5.8	32
156	Evidence for Majorana bound states in an iron-based superconductor. Science, 2018, 362, 333-335.	6.0	523
157	Design Rules for Self-Assembly of 2D Nanocrystal/Metal-Organic Framework Superstructures. Angewandte Chemie - International Edition, 2018, 57, 13172-13176.	7.2	11
158	Thick Layered Semiconductor Devices with Water Top-Gates: High On-Off Ratio Field-Effect Transistors and Aqueous Sensors. ACS Applied Materials & Interfaces, 2018, 10, 23198-23207.	4.0	14
159	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
160	Direct Evidence of Dirac Signature in Bilayer Germanene Islands on Cu(111). Advanced Materials, 2017, 29, 1606046.	11.1	111
161	Identifying and Visualizing the Edge Terminations of Single-Layer MoSe ₂ Island Epitaxially Grown on Au(111). ACS Nano, 2017, 11, 1689-1695.	7.3	48
162	Controlled Synthesis of Nitrogen-Doped Graphene on Ruthenium from Azafullerene. Nano Letters, 2017, 17, 2887-2894.	4.5	25

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163	Moiré superlattice-level stick-slip instability originated from geometrically corrugated graphene on a strongly interacting substrate. 2D Materials, 2017, 4, 025079.	2.0	33
164	Upgrade of a commercial four-probe scanning tunneling microscopy system. Review of Scientific Instruments, 2017, 88, 063704.	0.6	13
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