

# Shixuan Du

## List of Publications by Year in descending order

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332  
papers

15,878  
citations

18465

62  
h-index

20943

115  
g-index

342  
all docs

342  
docs citations

342  
times ranked

15506  
citing authors

#	ARTICLE	IF	CITATIONS
1	Buckled Silicene Formation on Ir(111). Nano Letters, 2013, 13, 685-690.	4.5	1,074
2	Buckled Germanene Formation on Pt(111). Advanced Materials, 2014, 26, 4820-4824.	11.1	770
3	Monolayer PtSe <sub>2</sub> , a New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. Nano Letters, 2015, 15, 4013-4018.	4.5	560
4	Evidence for Majorana bound states in an iron-based superconductor. Science, 2018, 362, 333-335.	6.0	523
5	Reliable Exfoliation of Large-Area High-Quality Flakes of Graphene and Other Two-Dimensional Materials. ACS Nano, 2015, 9, 10612-10620.	7.3	451
6	Universal mechanical exfoliation of large-area 2D crystals. Nature Communications, 2020, 11, 2453.	5.8	394
7	Highly Ordered, Millimeter-Scale, Continuous, Single-Crystalline Graphene Monolayer Formed on Ru (0001). Advanced Materials, 2009, 21, 2777-2780.	11.1	389
8	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe <sub>2</sub> . Advanced Materials, 2017, 29, 1605407.	11.1	313
9	Graphyne- and graphdiyne-based nanoribbons: Density functional theory calculations of electronic structures. Applied Physics Letters, 2011, 98, .	1.5	277
10	Roton pair density wave in a strong-coupling kagome superconductor. Nature, 2021, 599, 222-228.	13.7	276
11	Site-Specific Kondo Effect at Ambient Temperatures in Iron-Based Molecules. Physical Review Letters, 2007, 99, 106402.	2.9	242
12	Spin-polarized oxygen evolution reaction under magnetic field. Nature Communications, 2021, 12, 2608.	5.8	242
13	Silver Single-Atom Catalyst for Efficient Electrochemical CO <sub>2</sub> Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie - International Edition, 2021, 60, 6170-6176.	7.2	236
14	Epitaxial growth and structural property of graphene on Pt(111). Applied Physics Letters, 2011, 98, 033101.	1.5	223
15	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. Nano Letters, 2018, 18, 2133-2139.	4.5	219
16	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe <sub>2</sub> grown by chemical vapor deposition. Nature Communications, 2021, 12, 809.	5.8	196
17	Ballbot-type motion of N-heterocyclic carbenes on gold surfaces. Nature Chemistry, 2017, 9, 152-156.	6.6	192
18	Spin pinning effect to reconstructed oxyhydroxide layer on ferromagnetic oxides for enhanced water oxidation. Nature Communications, 2021, 12, 3634.	5.8	186

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19	One-Dimensional Quantum Confinement Effect Modulated Thermoelectric Properties in InAs Nanowires. Nano Letters, 2012, 12, 6492-6497.	4.5	172
20	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. Science, 2020, 367, 189-192.	6.0	172
21	Atomically precise, custom-design origami graphene nanostructures. Science, 2019, 365, 1036-1040.	6.0	156
22	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. Nature Materials, 2017, 16, 717-721.	13.3	150
23	Half-integer level shift of vortex bound states in an iron-based superconductor. Nature Physics, 2019, 15, 1181-1187.	6.5	144
24	Adsorption Behavior of Iron Phthalocyanine on Au(111) Surface at Submonolayer Coverage. Journal of Physical Chemistry C, 2007, 111, 9240-9244.	1.5	140
25	Prediction of a Dirac state in monolayer $\text{TiB}_2$ . Physical Review B, 2014, 90, .	1.1	134
26	Constructing an Array of Anchored Single-Molecule Rotors on Gold Surfaces. Physical Review Letters, 2008, 101, 197209.	2.9	127
27	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
28	Epitaxial Growth of Iron Phthalocyanine at the Initial Stage on Au(111) Surface. Journal of Physical Chemistry C, 2007, 111, 2656-2660.	1.5	124
29	Soliton-dependent plasmon reflection at bilayer graphene domain walls. Nature Materials, 2016, 15, 840-844.	13.3	124
30	Direct Visualization of Surface-Assisted Two-Dimensional Diyne Polycyclotrimerization. Journal of the American Chemical Society, 2014, 136, 5567-5570.	6.6	123
31	Surface Structures of Black Phosphorus Investigated with Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2009, 113, 18823-18826.	1.5	120
32	Tunable interfacial properties of epitaxial graphene on metal substrates. Applied Physics Letters, 2010, 96, .	1.5	118
33	Reversible Single Spin Control of Individual Magnetic Molecule by Hydrogen Atom Adsorption. Scientific Reports, 2013, 3, 1210.	1.6	115
34	Direct Evidence of Dirac Signature in Bilayer Germanene Islands on Cu(111). Advanced Materials, 2017, 29, 1606046.	11.1	111
35	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. Advanced Materials, 2018, 30, e1707055.	11.1	110
36	A Triphenylamine-Containing Donor-Acceptor Molecule for Stable, Reversible, Ultrahigh Density Data Storage. Journal of the American Chemical Society, 2007, 129, 11674-11675.	6.6	106

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37	Atomically sharp interface enabled ultrahigh-speed non-volatile memory devices. <i>Nature Nanotechnology</i> , 2021, 16, 882-887.	15.6	105
38	Assembly of iron phthalocyanine and pentacene molecules on a graphene monolayer grown on Ru(0001). <i>Physical Review B</i> , 2011, 84, .	1.1	102
39	Two-Dimensional Transition Metal Honeycomb Realized: Hf on Ir(111). <i>Nano Letters</i> , 2013, 13, 4671-4674.	4.5	102
40	Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). <i>Applied Physics Letters</i> , 2012, 100, .	1.5	101
41	Epitaxial growth and physical properties of 2D materials beyond graphene: from monatomic materials to binary compounds. <i>Chemical Society Reviews</i> , 2018, 47, 6073-6100.	18.7	97
42	Epitaxially grown monolayer VSe <sub>2</sub> : an air-stable magnetic two-dimensional material with low work function at edges. <i>Science Bulletin</i> , 2018, 63, 419-425.	4.3	92
43	Construction of 2D Atomic Crystals on Transition Metal Surfaces: Graphene, Silicene, and Hafnene. <i>Small</i> , 2014, 10, 2215-2225.	5.2	91
44	Molecular adsorption on metal surfaces with van der Waals density functionals. <i>Physical Review B</i> , 2012, 85, .	1.1	89
45	Sequence of Silicon Monolayer Structures Grown on a Ru Surface: from a Herringbone Structure to Silicene. <i>Nano Letters</i> , 2017, 17, 1161-1166.	4.5	86
46	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. <i>Advanced Materials</i> , 2018, 30, e1804650.	11.1	86
47	Construction of bilayer PdSe <sub>2</sub> on epitaxial graphene. <i>Nano Research</i> , 2018, 11, 5858-5865.	5.8	84
48	A new Majorana platform in an Fe-As bilayer superconductor. <i>Nature Communications</i> , 2020, 11, 5688.	5.8	84
49	Intercalation of metal islands and films at the interface of epitaxially grown graphene and Ru(0001) surfaces. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	83
50	Direct visualization of atomically precise nitrogen-doped graphene nanoribbons. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	82
51	Structural evolution of pentacene on a Ag(110) surface. <i>Physical Review B</i> , 2004, 69, .	1.1	81
52	Intrinsic Two-Dimensional Organic Topological Insulators in Metal-Dicyanoanthracene Lattices. <i>Nano Letters</i> , 2016, 16, 2072-2075.	4.5	81
53	Stable, Reproducible Nanorecording on Rotaxane Thin Films. <i>Journal of the American Chemical Society</i> , 2005, 127, 15338-15339.	6.6	77
54	Improving the ON/OFF Ratio and Reversibility of Recording by Rational Structural Arrangement of Donor-Acceptor Molecules. <i>Advanced Functional Materials</i> , 2010, 20, 803-810.	7.8	77

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55	Molecule-Substrate Coupling between Metal Phthalocyanines and Epitaxial Graphene Grown on Ru(0001) and Pt(111). <i>Journal of Physical Chemistry C</i> , 2012, 116, 14052-14056.	1.5	76
56	Highly Anisotropic Dirac Fermions in Square Graphynes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2959-2962.	2.1	75
57	Few-layer SnSe <sub>2</sub> transistors with high on/off ratios. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	75
58	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
59	Introduction of Interfacial Charges to Black Phosphorus for a Family of Planar Devices. <i>Nano Letters</i> , 2016, 16, 6870-6878.	4.5	69
60	Manipulation of domain-wall solitons in bi- and trilayer graphene. <i>Nature Nanotechnology</i> , 2018, 13, 204-208.	15.6	67
61	Binding configuration, electronic structure, and magnetic properties of metal phthalocyanines on a Au(111) surface studied with <i>ab initio</i> calculations. <i>Physical Review B</i> , 2011, 84, .	1.1	66
62	Selective Nontemplated Adsorption of Organic Molecules on Nanofacets and the Role of Bonding Patterns. <i>Physical Review Letters</i> , 2006, 97, 156105.	2.9	65
63	Diffusivity Control in Molecule-on-Metal Systems Using Electric Fields. <i>Nano Letters</i> , 2010, 10, 1184-1188.	4.5	64
64	Direct imaging of intrinsic molecular orbitals using two-dimensional, epitaxially-grown, nanostructured graphene for study of single molecule and interactions. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	63
65	Evidence of Topological Edge States in Buckled Antimonene Monolayers. <i>Nano Letters</i> , 2019, 19, 6323-6329.	4.5	61
66	On-Surface Synthesis of NBDoped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8873-8879.	7.2	61
67	Multi-oriented moiré superstructures of graphene on Ir(111): experimental observations and theoretical models. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 314214.	0.7	60
68	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
69	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
70	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
71	Boron Sheet Adsorbed on Metal Surfaces: Structures and Electronic Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18202-18206.	1.5	58
72	Ferroelectric-Gated InSe Photodetectors with High On/Off Ratios and Photoresponsivity. <i>Nano Letters</i> , 2020, 20, 6666-6673.	4.5	53

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73	Localized spin-orbit polaron in magnetic Weyl semimetal Co <sub>3</sub> Sn <sub>2</sub> S <sub>2</sub> . Nature Communications, 2020, 11, 5613.	5.8	53
74	Large-Area Fabrication of High-Performance Flexible and Wearable Pressure Sensors. Advanced Electronic Materials, 2020, 6, 1901310.	2.6	53
75	Crystalline Thin Film of a Donor- Substituted Cyanoethynylethene for Nanoscale Data Recording Through Intermolecular Charge-Transfer Interactions. Advanced Materials, 2005, 17, 2170-2173.	11.1	52
76	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe <sub>2</sub> Nanoplates. Nano Letters, 2019, 19, 8572-8580.	4.5	52
77	Role of Lateral Alkyl Chains in Modulation of Molecular Structures on Metal Surfaces. Physical Review Letters, 2006, 96, 226101.	2.9	51
78	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
79	Tunable giant magnetoresistance in a single-molecule junction. Nature Communications, 2019, 10, 3599.	5.8	50
80	Ru <sub>1</sub> Co <sub>n</sub> Single-Atom Alloy for Enhancing Fischer-Tropsch Synthesis. ACS Catalysis, 2021, 11, 1886-1896.	5.5	49
81	Identifying and Visualizing the Edge Terminations of Single-Layer MoSe <sub>2</sub> Island Epitaxially Grown on Au(111). ACS Nano, 2017, 11, 1689-1695.	7.3	48
82	InSe/hBN/graphite heterostructure for high-performance 2D electronics and flexible electronics. Nano Research, 2020, 13, 1127-1132.	5.8	48
83	Nanoscale Data Recording on an Organic Monolayer Film. Advanced Materials, 2003, 15, 1925-1929.	11.1	46
84	Molecularly Controlled Modulation of Conductance on Azobenzene Monolayer-Modified Silicon Surfaces. Journal of Physical Chemistry C, 2008, 112, 8288-8293.	1.5	46
85	Synthesis of cubic and spherical Pd nanoparticles on graphene and their electrocatalytic performance in the oxidation of formic acid. Nanoscale, 2014, 6, 13154-13162.	2.8	46
86	Increase in thermal stability induced by organic coatings on nanoparticles. Physical Review B, 2004, 70, .	1.1	45
87	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe <sub>2</sub> . Nature Communications, 2021, 12, 1978.	5.8	45
88	Sulfur-doped graphene nanoribbons with a sequence of distinct band gaps. Nano Research, 2017, 10, 3377-3384.	5.8	44
89	Majorana zero modes in impurity-assisted vortex of LiFeAs superconductor. Nature Communications, 2021, 12, 4146.	5.8	44
90	Self-assembly of C60 monolayer on epitaxially grown, nanostructured graphene on Ru(0001) surface. Applied Physics Letters, 2012, 100, .	1.5	42

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91	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
92	Self-Assembly of Metal Phthalocyanines on Pb(111) and Au(111) Surfaces at Submonolayer Coverage. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21750-21754.	1.5	41
93	Direct Observation of Enantiospecific Substitution in a Two-Dimensional Chiral Phase Transition. <i>Journal of the American Chemical Society</i> , 2010, 132, 10440-10444.	6.6	40
94	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
95	Ferromagnetism and perfect spin filtering in transition-metal-doped graphyne nanoribbons. <i>Physical Review B</i> , 2015, 92, .	1.1	39
96	High quality PdTe <sub>2</sub> thin films grown by molecular beam epitaxy. <i>Chinese Physics B</i> , 2018, 27, 086804.	0.7	39
97	Observation of Structural and Conductance Transition of Rotaxane Molecules at a Submolecular Scale. <i>Advanced Functional Materials</i> , 2007, 17, 770-776.	7.8	37
98	Ordered and tunable Majorana-zero-mode lattice in naturally strained LiFeAs. <i>Nature</i> , 2022, 606, 890-895.	13.7	37
99	Organic salts as super-high rate capability materials for lithium-ion batteries. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	33
100	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
101	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
102	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
103	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
104	Symmetry breakdown of 4,4'-diamino-p-terphenyl on a Cu(111) surface by lattice mismatch. <i>Nature Communications</i> , 2018, 9, 3277.	5.8	32
105	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
106	Template-directed assembly of pentacene molecules on epitaxial graphene on Ru(0001). <i>Nano Research</i> , 2013, 6, 131-137.	5.8	31
107	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
108	Improving Polymer/Nanocrystal Hybrid Solar Cell Performance via Tuning Ligand Orientation at CdSe Quantum Dot Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19154-19160.	4.0	30

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109	Structural and Electronic Properties of Pb- Intercalated Graphene on Ru(0001). Journal of Physical Chemistry C, 2015, 119, 9839-9844.	1.5	30
110	Epitaxial fabrication of two-dimensional NiSe <sub>2</sub> on Ni(111) substrate. Applied Physics Letters, 2017, 111, .	1.5	29
111	Recent Advances in Synthesis and Study of 2D Twisted Transition Metal Dichalcogenide Bilayers. Small Structures, 2021, 2, 2000153.	6.9	29
112	NBn-Doped <i>Bis</i> -Tetracene and <i>Peri</i> -Tetracene: Synthesis and Characterization. Angewandte Chemie - International Edition, 2021, 60, 26115-26121.	7.2	29
113	Direct imaging of molecular orbitals of metal phthalocyanines on metal surfaces with an O <sub>2</sub> -functionalized tip of a scanning tunneling microscope. Nano Research, 2011, 4, 523-530.	5.8	27
114	High resolution scanning-tunneling-microscopy imaging of individual molecular orbitals by eliminating the effect of surface charge. Surface Science, 2011, 605, 415-418.	0.8	27
115	Host-Guest Superstructures on Graphene-Based Kagome Lattice. Journal of Physical Chemistry C, 2012, 116, 11091-11095.	1.5	27
116	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
117	Epitaxial growth of large-area bilayer graphene on Ru(0001). Applied Physics Letters, 2014, 104, .	1.5	27
118	Auxetic two-dimensional transition metal selenides and halides. Npj Computational Materials, 2020, 6, .	3.5	27
119	Engineering the Local Atomic Environments of Indium Single-Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie, 2022, 134, .	1.6	27
120	Surface reconstruction transition of metals induced by molecular adsorption. Physical Review B, 2011, 83, .	1.1	26
121	Revealing the Atomic Site-Dependent $\langle g \rangle$ Factor within a Single Magnetic Molecule via the Extended Kondo Effect. Physical Review Letters, 2015, 114, 126601.	2.9	26
122	Impurity-induced formation of bilayered graphene on copper by chemical vapor deposition. Nano Research, 2016, 9, 2803-2810.	5.8	26
123	Bandgap broadening at grain boundaries in single-layer MoS <sub>2</sub> . Nano Research, 2018, 11, 6102-6109.	5.8	26
124	Air-Stable Monolayer Cu <sub>2</sub> Se Exhibits a Purely Thermal Structural Phase Transition. Advanced Materials, 2020, 32, e1908314.	11.1	26
125	Selective adsorption of metal-phthalocyanine on Au(111) surface with hydrogen atoms. Applied Physics Letters, 2013, 103, 023110.	1.5	25
126	Controlled Synthesis of Nitrogen-Doped Graphene on Ruthenium from Azafullerene. Nano Letters, 2017, 17, 2887-2894.	4.5	25



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127	Termination of Ge surfaces with ultrathin GeS and GeS <sub>2</sub> layers via solid-state sulfurization. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32473-32480.	1.3	25
128	Atomic-scale visualization of chiral charge density wave superlattices and their reversible switching. <i>Nature Communications</i> , 2022, 13, 1843.	5.8	25
129	An efficient route to prepare suspended monolayer for feasible optical and electronic characterizations of two-dimensional materials. <i>Informa Mater</i> , 2022, 4, .	8.5	25
130	Identifying Multiple Configurations of Complex Molecules in Dynamical Processes: Time Resolved Tunneling Spectroscopy and Density Functional Theory Calculation. <i>Physical Review Letters</i> , 2010, 104, 166101.	2.9	24
131	Growth Mechanism of Metal Clusters on a Graphene/Ru(0001) Template. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300104.	1.9	24
132	Spin-Dependent Conductance in Co/C <sub>60</sub> /Co/Ni Single-Molecule Junctions in the Contact Regime. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11975-11981.	1.5	24
133	Room-Temperature, Low-Barrier Boron Doping of Graphene. <i>Nano Letters</i> , 2015, 15, 6464-6468.	4.5	24
134	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016, 28, 5013-5017.	11.1	24
135	Quantum anomalous Hall effect in two-dimensional magnetic insulator heterojunctions. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	24
136	Semiconducting M <sub>2</sub> 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
137	Multichannel interaction mechanism in a molecule-metal interface. <i>Physical Review B</i> , 2008, 77, .	1.1	23
138	Stereoselective formation of coordination polymers with 1,4-diaminonaphthalene on various Cu substrates. <i>Chemical Communications</i> , 2015, 51, 10854-10857.	2.2	23
139	In-plane Van der Waals interactions of molecular self-assembly monolayer. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	23
140	Design of Two-Dimensional Graphene-like Dirac Materials X <sub>2</sub> -XBeB <sub>5</sub> (X = H, F). <i>ETQq000rgBT/Overlock</i> 4594-4599.	2.1	23
141	Chemistry of 4-[4-bromophenyl]ethynyl]pyridine at metal surfaces studied by STM. <i>Chemical Communications</i> , 2018, 54, 9305-9308.	2.2	23
142	Sizable Band Gap in Epitaxial Bilayer Graphene Induced by Silicene Intercalation. <i>Nano Letters</i> , 2020, 20, 2674-2680.	4.5	23
143	Possible Luttinger liquid behavior of edge transport in monolayer transition metal dichalcogenide crystals. <i>Nature Communications</i> , 2020, 11, 659.	5.8	23
144	Fluctuation of Interfacial Electronic Properties Induces Friction Tuning under an Electric Field. <i>Nano Letters</i> , 2022, 22, 1889-1896.	4.5	23

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145	Structures and stabilities of C60-rings. <i>Chemical Physics Letters</i> , 2001, 335, 524-532.	1.2	22
146	Silver Single-Atom Catalyst for Efficient Electrochemical CO <sub>2</sub> Reduction Synthesized from Thermal Transformation and Surface Reconstruction. <i>Angewandte Chemie</i> , 2021, 133, 6235-6241.	1.6	22
147	Homochiral Recognition among Organic Molecules on Copper(110). <i>Langmuir</i> , 2010, 26, 3402-3406.	1.6	21
148	Modification of the Potential Landscape of Molecular Rotors on Au(111) by the Presence of an STM Tip. <i>Nano Letters</i> , 2018, 18, 4704-4709.	4.5	21
149	Modeling Atomic-Scale Electrical Contact Quality Across Two-Dimensional Interfaces. <i>Nano Letters</i> , 2019, 19, 3654-3662.	4.5	21
150	A unique pentagonal network structure of the NiS <sub>2</sub> monolayer with high stability and a tunable bandgap. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7483-7488.	1.3	21
151	Stacking-dependent electronic property of trilayer graphene epitaxially grown on Ru(0001). <i>Applied Physics Letters</i> , 2015, 107, .	1.5	20
152	Interatomic Spin Coupling in Manganese Clusters Registered on Graphene. <i>Physical Review Letters</i> , 2017, 119, 176806.	2.9	20
153	Tuning the morphology of chevron-type graphene nanoribbons by choice of annealing temperature. <i>Nano Research</i> , 2018, 11, 6190-6196.	5.8	20
154	On-Surface Synthesis of NBDoped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie</i> , 2020, 132, 8958-8964.	1.6	20
155	Fabrication of Millimeter-Scale, Single-Crystal One-Third-Hydrogenated Graphene with Anisotropic Electronic Properties. <i>Advanced Materials</i> , 2018, 30, 1801838.	11.1	19
156	Insulating SiO <sub>2</sub> under Centimeter-Scale, Single-Crystal Graphene Enables Electronic-Device Fabrication. <i>Nano Letters</i> , 2020, 20, 8584-8591.	4.5	19
157	Stereoselective On-Surface Cyclodehydrofluorization of a Tetraphenylporphyrin and Homochiral Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17413-17416.	7.2	19
158	Self-Assembled Patterns and Young's Modulus of Single-Layer Naphthalocyanine Molecules on Ag(111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 8208-8212.	1.5	18
159	Formation of Two-Dimensional AgTe Monolayer Atomic Crystal on Ag(111) Substrate. <i>Chinese Physics Letters</i> , 2019, 36, 028102.	1.3	18
160	Structural evolution at the initial growth stage of perylene on Au(111). <i>Surface Science</i> , 2007, 601, 3179-3185.	0.8	17
161	Highly Flexible Transparent Micromesh Electrodes via Blade-Coated Polymer Networks for Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31687-31695.	4.0	17
162	The origin of half-metallicity in conjugated electron systems—a study on transition-metal-doped graphyne. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 505502.	0.7	16

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