Shixuan Du

List of Publications by Citations

314 papers	11,048 citations	53 h-index	97 g-index
342 ext. papers	13,479 ext. citations	8.3 avg, IF	6.17 L-index

#	Paper	IF	Citations
314	Buckled silicene formation on Ir(111). *Nano Letters*, **2013**, 13, 685-90	11.5	950
313	Buckled germanene formation on Pt(111). *Advanced Materials*, **2014**, 26, 4820-4	24	611
312	Monolayer $PtSe_2$, a New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. *Nano Letters*, **2015**, 15, 4013-8	11.5	420
311	Highly Ordered, Millimeter-Scale, Continuous, Single-Crystalline Graphene Monolayer Formed on Ru (0001). *Advanced Materials*, **2009**, 21, 2777-2780	24	351
310	Reliable Exfoliation of Large-Area High-Quality Flakes of Graphene and Other Two-Dimensional Materials. *ACS Nano*, **2015**, 9, 10612-20	16.7	334
309	Evidence for Majorana bound states in an iron-based superconductor. *Science*, **2018**, 362, 333-335	33.3	299
308	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe. *Advanced Materials*, **2017**, 29, 1605407	24	249
307	Graphyne- and graphdiyne-based nanoribbons: Density functional theory calculations of electronic structures. *Applied Physics Letters*, **2011**, 98, 173102	3.4	241
306	Site-specific kondo effect at ambient temperatures in iron-based molecules. *Physical Review Letters* , **2007**, 99, 106402	7.4	227
305	Epitaxial growth and structural property of graphene on Pt(111). *Applied Physics Letters*, **2011**, 98, 033101	3.4	196
304	Universal mechanical exfoliation of large-area 2D crystals. *Nature Communications*, **2020**, 11, 2453	17.4	169
303	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. *Nano Letters*, **2018**, 18, 2133-2139	11.5	159
302	One-dimensional quantum confinement effect modulated thermoelectric properties in InAs nanowires. *Nano Letters*, **2012**, 12, 6492-7	11.5	152
301	Ballbot-type motion of N-heterocyclic carbenes on gold surfaces. *Nature Chemistry*, **2017**, 9, 152-156	17.6	138
300	Adsorption Behavior of Iron Phthalocyanine on Au(111) Surface at Submonolayer Coverage. *Journal of Physical Chemistry C*, **2007**, 111, 9240-9244	3.8	136
299	Epitaxial Growth of Iron Phthalocyanine at the Initial Stage on Au(111) Surface. *Journal of Physical Chemistry C*, **2007**, 111, 2656-2660	3.8	119
298	Constructing an array of anchored single-molecule rotors on gold surfaces. *Physical Review Letters*, **2008**, 101, 197209	7.4	117

297	Direct visualization of surface-assisted two-dimensional diyne polycyclotrimerization. *Journal of the American Chemical Society*, **2014**, 136, 5567-70	16.4	115
296	Tunable interfacial properties of epitaxial graphene on metal substrates. *Applied Physics Letters*, **2010**, 96, 053109	3.4	109
295	Reversible single spin control of individual magnetic molecule by hydrogen atom adsorption. *Scientific Reports*, **2013**, 3, 1210	4.9	106
294	Surface Structures of Black Phosphorus Investigated with Scanning Tunneling Microscopy. *Journal of Physical Chemistry C*, **2009**, 113, 18823-18826	3.8	106
293	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. *Nature Materials*, **2017**, 16, 717-721	27	105
292	Prediction of a Dirac state in monolayer TiB2. *Physical Review B*, **2014**, 90,	3.3	103
291	A triphenylamine-containing donor-acceptor molecule for stable, reversible, ultrahigh density data storage. *Journal of the American Chemical Society*, **2007**, 129, 11674-5	16.4	101
290	Silver Single-Atom Catalyst for Efficient Electrochemical CO Reduction Synthesized from Thermal Transformation and Surface Reconstruction. *Angewandte Chemie - International Edition*, **2021**, 60, 6170-6176	16.4	98
289	Atomically precise, custom-design origami graphene nanostructures. *Science*, **2019**, 365, 1036-1040	33.3	95
288	Assembly of iron phthalocyanine and pentacene molecules on a graphene monolayer grown on Ru(0001). *Physical Review B*, **2011**, 84,	3.3	93
287	Soliton-dependent plasmon reflection at bilayer graphene domain walls. *Nature Materials*, **2016**, 15, 840-4	27	92
286	Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). *Applied Physics Letters*, **2012**, 100, 093101	3.4	90
285	Two-dimensional transition metal honeycomb realized: Hf on Ir(111). *Nano Letters*, **2013**, 13, 4671-4	11.5	89
284	Molecular adsorption on metal surfaces with van der Waals density functionals. *Physical Review B*, **2012**, 85,	3.3	85
283	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. *Science*, **2020**, 367, 189-192	33.3	80
282	Intercalation of metal islands and films at the interface of epitaxially grown graphene and Ru(0001) surfaces. *Applied Physics Letters*, **2011**, 99, 163107	3.4	79
281	Structural evolution of pentacene on a Ag(110) surface. *Physical Review B*, **2004**, 69,	3.3	75
280	Construction of 2D atomic crystals on transition metal surfaces: graphene, silicene, and hafnene. *Small*, **2014**, 10, 2215-25	11	74

279	Direct Evidence of Dirac Signature in Bilayer Germanene Islands on Cu(111). *Advanced Materials*, **2017**, 29, 1606046	24	72
278	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. *Advanced Materials*, **2018**, 30, e1707055	24	72
277	Stable, reproducible nanorecording on rotaxane thin films. *Journal of the American Chemical Society* , **2005**, 127, 15338-9	16.4	72
276	Improving the ON/OFF Ratio and Reversibility of Recording by Rational Structural Arrangement of Donor–Acceptor Molecules. *Advanced Functional Materials*, **2010**, 20, 803-810	15.6	71
275	Reversible, erasable, and rewritable nanorecording on an H2 rotaxane thin film. *Journal of the American Chemical Society*, **2007**, 129, 2204-5	16.4	70
274	Half-integer level shift of vortex bound states in an iron-based superconductor. *Nature Physics*, **2019**, 15, 1181-1187	16.2	69
273	Molecule–Substrate Coupling between Metal Phthalocyanines and Epitaxial Graphene Grown on Ru(0001) and Pt(111). *Journal of Physical Chemistry C*, **2012**, 116, 14052-14056	3.8	68
272	Sequence of Silicon Monolayer Structures Grown on a Ru Surface: from a Herringbone Structure to Silicene. *Nano Letters*, **2017**, 17, 1161-1166	11.5	67
271	Direct visualization of atomically precise nitrogen-doped graphene nanoribbons. *Applied Physics Letters*, **2014**, 105, 023101	3.4	66
270	Few-layer SnSe2 transistors with high on/off ratios. *Applied Physics Letters*, **2016**, 108, 053506	3.4	64
269	Epitaxial growth and physical properties of 2D materials beyond graphene: from monatomic materials to binary compounds. *Chemical Society Reviews*, **2018**, 47, 6073-6100	58.5	63
268	Binding configuration, electronic structure, and magnetic properties of metal phthalocyanines on a Au(111) surface studied with ab initio calculations. *Physical Review B*, **2011**, 84,	3.3	62
267	Selective nontemplated adsorption of organic molecules on nanofacets and the role of bonding patterns. *Physical Review Letters*, **2006**, 97, 156105	7.4	62
266	Construction of bilayer PdSe2 on epitaxial graphene. *Nano Research*, **2018**, 11, 5858-5865	10	62
265	Epitaxially grown monolayer VSe 2 : an air-stable magnetic two-dimensional material with low work function at edges. *Science Bulletin*, **2018**, 63, 419-425	10.6	61
264	Introduction of Interfacial Charges to Black Phosphorus for a Family of Planar Devices. *Nano Letters* , **2016**, 16, 6870-6878	11.5	60
263	Diffusivity control in molecule-on-metal systems using electric fields. *Nano Letters*, **2010**, 10, 1184-8	11.5	60
262	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. *Advanced Materials*, **2018**, 30, e1804650	24	55

261	Intrinsic Two-Dimensional Organic Topological Insulators in Metal-Dicyanoanthracene Lattices. *Nano Letters*, **2016**, 16, 2072-5	11.5	53
260	Direct imaging of intrinsic molecular orbitals using two-dimensional, epitaxially-grown, nanostructured graphene for study of single molecule and interactions. *Applied Physics Letters*, **2011**, 99, 153101	3.4	52
259	Crystalline Thin Film of a Donor- Substituted Cyanoethynylethene for Nanoscale Data Recording Through Intermolecular Charge-Transfer Interactions. *Advanced Materials*, **2005**, 17, 2170-2173	24	52
258	Spin-polarized oxygen evolution reaction under magnetic field. *Nature Communications*, **2021**, 12, 2608	17.4	52
257	Kondo effect of cobalt adatoms on a graphene monolayer controlled by substrate-induced ripples. *Nano Letters*, **2014**, 14, 4011-5	11.5	51
256	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe grown by chemical vapor deposition. *Nature Communications*, **2021**, 12, 809	17.4	51
255	Role of lateral alkyl chains in modulation of molecular structures on metal surfaces. *Physical Review Letters*, **2006**, 96, 226101	7.4	50
254	Multi-oriented moiré superstructures of graphene on Ir(111): experimental observations and theoretical models. *Journal of Physics Condensed Matter*, **2012**, 24, 314214	1.8	49
253	Highly Anisotropic Dirac Fermions in Square Graphynes. *Journal of Physical Chemistry Letters*, **2015**, 6, 2959-62	6.4	48
252	Direct Four-Probe Measurement of Grain-Boundary Resistivity and Mobility in Millimeter-Sized Graphene. *Nano Letters*, **2017**, 17, 5291-5296	11.5	48
251	Roton pair density wave in a strong-coupling kagome superconductor. *Nature*, **2021**, 599, 222-228	50.4	47
250	Nanoscale Data Recording on an Organic Monolayer Film. *Advanced Materials*, **2003**, 15, 1925-1929	24	45
249	Manipulation of domain-wall solitons in bi- and trilayer graphene. *Nature Nanotechnology*, **2018**, 13, 204-208	38.9	44
248	Boron Sheet Adsorbed on Metal Surfaces: Structures and Electronic Properties. *Journal of Physical Chemistry C*, **2012**, 116, 18202-18206	3.8	44
247	Molecularly Controlled Modulation of Conductance on Azobenzene Monolayer-Modified Silicon Surfaces. *Journal of Physical Chemistry C*, **2008**, 112, 8288-8293	3.8	42
246	Evidence of Topological Edge States in Buckled Antimonene Monolayers. *Nano Letters*, **2019**, 19, 6323-6329	11.5	40
245	Synthesis of cubic and spherical Pd nanoparticles on graphene and their electrocatalytic performance in the oxidation of formic acid. *Nanoscale*, **2014**, 6, 13154-62	7.7	40
244	Self-Assembly of Metal Phthalocyanines on Pb(111) and Au(111) Surfaces at Submonolayer Coverage. *Journal of Physical Chemistry C*, **2011**, 115, 21750-21754	3.8	39

243	Increase in thermal stability induced by organic coatings on nanoparticles. *Physical Review B*, **2004**, 70,	3.3	39
242	Role of Cooperative Interactions in the Intercalation of Heteroatoms between Graphene and a Metal Substrate. *Journal of the American Chemical Society*, **2015**, 137, 7099-103	16.4	38
241	Polymorphism and chiral expression in two-dimensional subphthalocyanine crystals on Au(111). *Physical Chemistry Chemical Physics*, **2010**, 12, 1318-22	3.6	38
240	Identifying and Visualizing the Edge Terminations of Single-Layer MoSe Island Epitaxially Grown on Au(111). *ACS Nano*, **2017**, 11, 1689-1695	16.7	35
239	Direct observation of enantiospecific substitution in a two-dimensional chiral phase transition. *Journal of the American Chemical Society*, **2010**, 132, 10440-4	16.4	35
238	Self-assembly of C60 monolayer on epitaxially grown, nanostructured graphene on Ru(0001) surface. *Applied Physics Letters*, **2012**, 100, 013304	3.4	35
237	Observation of Structural and Conductance Transition of Rotaxane Molecules at a Submolecular Scale. *Advanced Functional Materials*, **2007**, 17, 770-776	15.6	35
236	Sulfur-doped graphene nanoribbons with a sequence of distinct band gaps. *Nano Research*, **2017**, 10, 3377-3384	10	33
235	Organic salts as super-high rate capability materials for lithium-ion batteries. *Applied Physics Letters* , **2012**, 100, 091905	3.4	33
234	Ferromagnetism and perfect spin filtering in transition-metal-doped graphyne nanoribbons. *Physical Review B*, **2015**, 92,	3.3	32
233	Spontaneous Formation of 1D Pattern in Monolayer VSe with Dispersive Adsorption of Pt Atoms for HER Catalysis. *Nano Letters*, **2019**, 19, 4897-4903	11.5	31
232	Reversible achiral-to-chiral switching of single Mn--phthalocyanine molecules by thermal hydrogenation and inelastic electron tunneling dehydrogenation. *ACS Nano*, **2014**, 8, 2246-51	16.7	31
231	Spin pinning effect to reconstructed oxyhydroxide layer on ferromagnetic oxides for enhanced water oxidation. *Nature Communications*, **2021**, 12, 3634	17.4	31
230	Improving polymer/nanocrystal hybrid solar cell performance via tuning ligand orientation at CdSe quantum dot surface. *ACS Applied Materials & Interfaces*, **2014**, 6, 19154-60	9.5	29
229	Template-directed assembly of pentacene molecules on epitaxial graphene on Ru(0001). *Nano Research*, **2013**, 6, 131-137	10	28
228	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. *Angewandte Chemie - International Edition*, **2020**, 59, 8873-8879	16.4	27
227	Large-Area Fabrication of High-Performance Flexible and Wearable Pressure Sensors. *Advanced Electronic Materials*, **2020**, 6, 1901310	6.4	27
226	Site- and Configuration-Selective Anchoring of Iron Phthalocyanine on the Step Edges of Au(111) Surface. *Journal of Physical Chemistry C*, **2011**, 115, 10791-10796	3.8	27

225	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe. *Nano Letters*, **2019**, 19, 4551-4559	11.5	26
224	Structural and Electronic Properties of Pb- Intercalated Graphene on Ru(0001). *Journal of Physical Chemistry C*, **2015**, 119, 9839-9844	3.8	26
223	Localized spin-orbit polaron in magnetic Weyl semimetal CoSnS. *Nature Communications*, **2020**, 11, 5613	17.4	26
222	Tuning structural and mechanical properties of two-dimensional molecular crystals: the roles of carbon side chains. *Nano Letters*, **2012**, 12, 1229-34	11.5	26
221	Atomically sharp interface enabled ultrahigh-speed non-volatile memory devices. *Nature Nanotechnology*, **2021**, 16, 882-887	28.7	26
220	Epitaxial growth of large-area bilayer graphene on Ru(0001). *Applied Physics Letters*, **2014**, 104, 093110	3.4	25
219	Revealing the atomic site-dependent g factor within a single magnetic molecule via the extended Kondo effect. *Physical Review Letters*, **2015**, 114, 126601	7.4	24
218	Symmetry breakdown of 4,4?-diamino-p-terphenyl on a Cu(111) surface by lattice mismatch. *Nature Communications*, **2018**, 9, 3277	17.4	24
217	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe Nanoplates. *Nano Letters*, **2019**, 19, 8572-8580	11.5	24
216	Host□Guest Superstructures on Graphene-Based Kagome Lattice. *Journal of Physical Chemistry C*, **2012**, 116, 11091-11095	3.8	24
215	InSe/hBN/graphite heterostructure for high-performance 2D electronics and flexible electronics. *Nano Research*, **2020**, 13, 1127-1132	10	24
214	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. *Journal of Physical Chemistry Letters*, **2017**, 8, 326-331	6.4	23
213	High quality PdTe2 thin films grown by molecular beam epitaxy. *Chinese Physics B*, **2018**, 27, 086804	1.2	23
212	Selective adsorption of metal-phthalocyanine on Au(111) surface with hydrogen atoms. *Applied Physics Letters*, **2013**, 103, 023110	3.4	23
211	High resolution scanning-tunneling-microscopy imaging of individual molecular orbitals by eliminating the effect of surface charge. *Surface Science*, **2011**, 605, 415-418	1.8	23
210	Surface reconstruction transition of metals induced by molecular adsorption. *Physical Review B*, **2011**, 83,	3.3	23
209	Epitaxy of Ultrathin SnSe Single Crystals on Polydimethylsiloxane: In-Plane Electrical Anisotropy and Gate-Tunable Thermopower. *Advanced Electronic Materials*, **2016**, 2, 1600292	6.4	23
208	Controlled Synthesis of Nitrogen-Doped Graphene on Ruthenium from Azafullerene. *Nano Letters*, **2017**, 17, 2887-2894	11.5	22

207	Moiré superlattice-level stick-slip instability originated from geometrically corrugated graphene on a strongly interacting substrate. *2D Materials*, **2017**, 4, 025079	5.9	22
206	Spin-Dependent Conductance in Co/C60/Co/Ni Single-Molecule Junctions in the Contact Regime. *Journal of Physical Chemistry C*, **2015**, 119, 11975-11981	3.8	22
205	Direct imaging of molecular orbitals of metal phthalocyanines on metal surfaces with an O2-functionalized tip of a scanning tunneling microscope. *Nano Research*, **2011**, 4, 523-530	10	22
204	Identifying multiple configurations of complex molecules in dynamical processes: time resolved tunneling spectroscopy and density functional theory calculation. *Physical Review Letters*, **2010**, 104, 166101	7.4	22
203	Multichannel interaction mechanism in a molecule-metal interface. *Physical Review B*, **2008**, 77,	3.3	22
202	Structures and stabilities of C60-rings. *Chemical Physics Letters*, **2001**, 335, 524-532	2.5	22
201	A new Majorana platform in an Fe-As bilayer superconductor. *Nature Communications*, **2020**, 11, 5688	17.4	22
200	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. *Advanced Materials*, **2016**, 28, 5013-7	24	22
199	Tunable giant magnetoresistance in a single-molecule junction. *Nature Communications*, **2019**, 10, 3599	17.4	21
198	Epitaxial fabrication of two-dimensional NiSe2 on Ni(111) substrate. *Applied Physics Letters*, **2017**, 111, 113107	3.4	21
197	Impurity-induced formation of bilayered graphene on copper by chemical vapor deposition. *Nano Research*, **2016**, 9, 2803-2810	10	19
196	Room-Temperature, Low-Barrier Boron Doping of Graphene. *Nano Letters*, **2015**, 15, 6464-8	11.5	18
195	Design of Two-Dimensional Graphene-like Dirac Materials XBeB (X = H, F, Cl) from Non-graphene-like Borophene. *Journal of Physical Chemistry Letters*, **2017**, 8, 4594-4599	6.4	18
194	Stereoselective formation of coordination polymers with 1,4-diaminonaphthalene on various Cu substrates. *Chemical Communications*, **2015**, 51, 10854-7	5.8	18
193	Homochiral recognition among organic molecules on copper(110). *Langmuir*, **2010**, 26, 3402-6	4	18
192	Chemistry of 4-[(4-bromophenyl)ethynyl]pyridine at metal surfaces studied by STM. *Chemical Communications*, **2018**, 54, 9305-9308	5.8	17
191	Modification of the Potential Landscape of Molecular Rotors on Au(111) by the Presence of an STM Tip. *Nano Letters*, **2018**, 18, 4704-4709	11.5	17
190	Bandgap broadening at grain boundaries in single-layer MoS2. *Nano Research*, **2018**, 11, 6102-6109	10	17

189	Growth Mechanism of Metal Clusters on a Graphene/Ru(0001) Template. *Advanced Materials Interfaces*, **2014**, 1, 1300104	4.6	17
188	In-plane Van der Waals interactions of molecular self-assembly monolayer. *Applied Physics Letters*, **2015**, 106, 081606	3.4	17
187	Self-Assembled Patterns and Young Modulus of Single-Layer Naphthalocyanine Molecules on Ag(111). *Journal of Physical Chemistry C*, **2015**, 119, 8208-8212	3.8	16
186	Structural evolution at the initial growth stage of perylene on Au(111). *Surface Science*, **2007**, 601, 3179-3185	2.8	16
185	Ru1Con Single-Atom Alloy for Enhancing Fischer Tropsch Synthesis. *ACS Catalysis*, **2021**, 11, 1886-1896	13.1	16
184	Termination of Ge surfaces with ultrathin GeS and GeS layers via solid-state sulfurization. *Physical Chemistry Chemical Physics*, **2017**, 19, 32473-32480	3.6	15
183	Stacking-dependent electronic property of trilayer graphene epitaxially grown on Ru(0001). *Applied Physics Letters*, **2015**, 107, 263101	3.4	15
182	Ferroelectric-Gated InSe Photodetectors with High On/Off Ratios and Photoresponsivity. *Nano Letters*, **2020**, 20, 6666-6673	11.5	15
181	Interatomic Spin Coupling in Manganese Clusters Registered on Graphene. *Physical Review Letters*, **2017**, 119, 176806	7.4	14
180	Sizable Band Gap in Epitaxial Bilayer Graphene Induced by Silicene Intercalation. *Nano Letters*, **2020**, 20, 2674-2680	11.5	14
179	Fabrication of Millimeter-Scale, Single-Crystal One-Third-Hydrogenated Graphene with Anisotropic Electronic Properties. *Advanced Materials*, **2018**, 30, e1801838	24	14
178	Formation of Two-Dimensional AgTe Monolayer Atomic Crystal on Ag(111) Substrate. *Chinese Physics Letters*, **2019**, 36, 028102	1.8	13
177	Tuning the morphology of chevron-type graphene nanoribbons by choice of annealing temperature. *Nano Research*, **2018**, 11, 6190-6196	10	13
176	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	9.5	13
175	Growth and Structural Properties of Pb Islands on Epitaxial Graphene on Ru(0001). *Journal of Physical Chemistry C*, **2013**, 117, 22652-22655	3.8	13
174	The origin of half-metallicity in conjugated electron systems--a study on transition-metal-doped graphyne. *Journal of Physics Condensed Matter*, **2013**, 25, 505502	1.8	13
173	Tip-triggered Thermal Cascade Manipulation of Magic Number Gold-Fullerene Clusters in the Scanning Tunnelling Microscope. *Nano Letters*, **2017**, 17, 6171-6176	11.5	13
172	Electrostatic field effect on molecular structures at metal surfaces. *Surface Science*, **2009**, 603, 2815-2819	2.8	13

171	Upgrade of a commercial four-probe scanning tunneling microscopy system. *Review of Scientific Instruments*, **2017**, 88, 063704	1.7	12
170	Air-Stable Monolayer Cu Se Exhibits a Purely Thermal Structural Phase Transition. *Advanced Materials*, **2020**, 32, e1908314	24	12
169	Possible Luttinger liquid behavior of edge transport in monolayer transition metal dichalcogenide crystals. *Nature Communications*, **2020**, 11, 659	17.4	12
168	The influence of annealing temperature on the morphology of graphene islands. *Chinese Physics B*, **2012**, 21, 088102	1.2	12
167	High-density data recording in an optoelectrical dual-responsive thin film. *ChemPhysChem*, **2005**, 6, 1478-82	3.2	12
166	Insulating SiO under Centimeter-Scale, Single-Crystal Graphene Enables Electronic-Device Fabrication. *Nano Letters*, **2020**, 20, 8584-8591	11.5	12
165	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe. *Nature Communications*, **2021**, 12, 1978	17.4	12
164	Site-Specific Assembly of Fullerene Nanorings Guided by Two-Dimensional Gold Clusters. *Journal of Physical Chemistry C*, **2016**, 120, 10975-10981	3.8	12
163	Impact of heterocirculene molecular symmetry upon two-dimensional crystallization. *Scientific Reports*, **2014**, 4, 5415	4.9	11
162	Construction of two-dimensional hydrogen clusters on Au(111) directed by phthalocyanine molecules. *Nano Research*, **2014**, 7, 79-84	10	11
161	Graphene□Silicon Layered Structures on Single-Crystalline Ir(111) Thin Films. *Advanced Materials Interfaces*, **2015**, 2, 1400543	4.6	11
160	Photoelectric Cooperative High-Density Data Storage in an Organic Bilayer Thin Film. *Journal of Physical Chemistry C*, **2009**, 113, 8548-8552	3.8	11
159	Quantum anomalous Hall effect in two-dimensional magnetic insulator heterojunctions. *Npj Computational Materials*, **2020**, 6,	10.9	11
158	Modeling Atomic-Scale Electrical Contact Quality Across Two-Dimensional Interfaces. *Nano Letters*, **2019**, 19, 3654-3662	11.5	10
157	Fabrication and properties of silicene and silicene□graphene layered structures on Ir (111). *Chinese Physics B*, **2015**, 24, 086803	1.2	10
156	Strongly Interacting C60/Ir(111) Interface: Transformation of C60 into Graphene and Influence of Graphene Interlayer. *Journal of Physical Chemistry C*, **2015**, 119, 27550-27555	3.8	10
155	Highly Flexible Transparent Micromesh Electrodes via Blade-Coated Polymer Networks for Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 31687-31695	9.5	10
154	Stereoselective On-Surface Cyclodehydrofluorization of a Tetraphenylporphyrin and Homochiral Self-Assembly. *Angewandte Chemie - International Edition*, **2020**, 59, 17413-17416	16.4	10

153	Intercalation of metals and silicon at the interface of epitaxial graphene and its substrates. *Chinese Physics B*, **2013**, 22, 096803	1.2	10
152	Thermoelectric-transport in metal/graphene/metal hetero-structure. *Chinese Physics B*, **2010**, 19, 037202	1.2	10
151	Mapping antibonding electron states of a Pb adatom on Pb(111). *Physical Review B*, **2010**, 81,	3.3	10
150	Atomic-scale tuning of self-assembled ZnO microscopic patterns: from dendritic fractals to compact island. *Nanoscale*, **2010**, 2, 2557-60	7.7	10
149	Silver Single-Atom Catalyst for Efficient Electrochemical CO2 Reduction Synthesized from Thermal Transformation and Surface Reconstruction. *Angewandte Chemie*, **2021**, 133, 6235-6241	3.6	10
148	A unique pentagonal network structure of the NiS monolayer with high stability and a tunable bandgap. *Physical Chemistry Chemical Physics*, **2020**, 22, 7483-7488	3.6	9
147	Lattice-Directed Construction of Metal–Organic Molecular Wires of Pentacene on the Au(110) Surface. *Journal of Physical Chemistry C*, **2017**, 121, 21650-21657	3.8	9
146	Evidence for Ultralow-Energy Vibrations in Large Organic Molecules. *Nano Letters*, **2017**, 17, 4929-4933	11.5	9
145	Stable and reversible optoelectrical dual-mode data storage based on a ferrocenylspiropyran molecule. *Applied Physics Letters*, **2009**, 95, 183307	3.4	9
144	Influence of Deoxyribose Group on Self-Assembly of Thymidine on Au(111). *Journal of Physical Chemistry C*, **2009**, 113, 17590-17594	3.8	9
143	Self-assembly of molecular wires on H-terminated Si(100) surfaces driven by London dispersion forces. *Physical Review B*, **2011**, 84,	3.3	9
142	Self-assembly and growth of manganese phthalocyanine on an Au(111) surface. *Chinese Physics B*, **2011**, 20, 096401	1.2	9
141	Recent Advances in Synthesis and Study of 2D Twisted Transition Metal Dichalcogenide Bilayers. *Small Structures*, **2021**, 2, 2000153	8.7	9
140	Direct measurements of conductivity and mobility in millimeter-sized single-crystalline graphene via van der Pauw geometry. *Chinese Physics B*, **2017**, 26, 066801	1.2	8
139	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	9.5	8
138	Low-temperature growth of large-scale, single-crystalline graphene on Ir(111). *Chinese Physics B*, **2019**, 28, 056107	1.2	8
137	Construction of single-crystalline supramolecular networks of perchlorinated hexa-peri-hexabenzocoronene on Au(111). *Journal of Chemical Physics*, **2015**, 142, 101911	3.9	8
136	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. *Angewandte Chemie*, **2020**, 132, 8958-8964	3.6	8

135	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. *Chinese Physics Letters*, **2020**, 37, 068103	1.8	8
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