

Hong-Jun Gao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nanoscale Control of One-Dimensional Confined States in Strongly Correlated Homojunctions.. <i>Nano Letters</i> , 2022 ,	11.5	6
179	Observation of an Incommensurate Charge Density Wave in Monolayer TiSe ₂ /CuSe/Cu(111) Heterostructure.. <i>Physical Review Letters</i> , 2022 , 128, 026401	7.4	1
178	Twisted charge-density-wave patterns in bilayer 2D crystals and modulated electronic states. <i>2D Materials</i> , 2022 , 9, 014007	5.9	4
177	Size Dependence of Charge-Density-Wave Orders in Single-Layer NbSe Hetero/Homophase Junctions.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 1901-1907	6.4	1
176	Atomic-scale visualization of chiral charge density wave superlattices and their reversible switching.. <i>Nature Communications</i> , 2022 , 13, 1843	17.4	2
175	Surface atomic manipulation of low-dimensional structures. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022 ,	0.6	
174	Intrinsically Honeycomb-Patterned Hydrogenated Graphene. <i>Small</i> , 2021 , e2102687	11	
173	Controllable fabrication and photocatalytic performance of nanoscale single-layer MoSe islands with substantial edges on an Ag(111) substrate. <i>Nanoscale</i> , 2021 , 13, 19165-19171	7.7	3
172	A time-shared switching scheme designed for multi-probe scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2021 , 92, 103702	1.7	1
171	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe. <i>Nature Communications</i> , 2021 , 12, 1978	17.4	12
170	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	17.4	7
169	Construction of poly-naphthalocyanine linked by [4]-radialene-like structures on silver surfaces. <i>Nano Research</i> , 2021 , 14, 4563	10	0
168	Recent Advances in Synthesis and Study of 2D Twisted Transition Metal Dichalcogenide Bilayers. <i>Small Structures</i> , 2021 , 2, 2000153	8.7	9
167	Tuning Molecular Superlattice by Charge-Density-Wave Patterns in Two-Dimensional Monolayer Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3545-3551	6.4	8
166	Atomically sharp interface enabled ultrahigh-speed non-volatile memory devices. <i>Nature Nanotechnology</i> , 2021 , 16, 882-887	28.7	26
165	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	3.1	1
164	Majorana zero modes in impurity-assisted vortex of LiFeAs superconductor. <i>Nature Communications</i> , 2021 , 12, 4146	17.4	3

163	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. <i>Nano Research</i> , 2021 , 14, 1390-1396	10	4
162	Edge- and strain-induced band bending in bilayer-monolayer Pb ₂ Se ₃ heterostructures. <i>Chinese Physics B</i> , 2021 , 30, 018105	1.2	5
161	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe grown by chemical vapor deposition. <i>Nature Communications</i> , 2021 , 12, 809	17.4	51
160	Intercalation of germanium oxide beneath large-area and high-quality epitaxial graphene on Ir(111) substrate*. <i>Chinese Physics B</i> , 2021 , 30, 048102	1.2	2
159	Intriguing one-dimensional electronic behavior in emerging two-dimensional materials. <i>Nano Research</i> , 2021 , 14, 3810	10	2
158	Honeycomb AgSe Monolayer Nanosheets for Studying Two-dimensional Dirac Nodal Line Fermions. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8845-8850	5.6	5
157	Advances in two-dimensional heterostructures by mono-element intercalation underneath epitaxial graphene. <i>Progress in Surface Science</i> , 2021 , 96, 100637	6.6	2
156	Roton pair density wave in a strong-coupling kagome superconductor. <i>Nature</i> , 2021 , 599, 222-228	50.4	47
155	NBN-Doped Bis-Tetracene and Peri-Tetracene: Synthesis and Characterization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26115-26121	16.4	6
154	Novel two-dimensional transition metal chalcogenides created by epitaxial growth. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	2
153	Visualization of Charge-Density-Wave Reconstruction and Electronic Superstructure at the Edge of Correlated Insulator 1T-NbSe ₂ . <i>ACS Nano</i> , 2021 ,	16.7	4
152	Localized spin-orbit polaron in magnetic Weyl semimetal CoSnS. <i>Nature Communications</i> , 2020 , 11, 5613	17.4	26
151	Force-Activated Isomerization of a Single Molecule. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10673-10680	16.4	7
150	Wrinkle-induced highly conductive channels in graphene on SiO ₂ /Si substrates. <i>Nanoscale</i> , 2020 , 12, 12038-12045	7.7	12045
149	Sizable Band Gap in Epitaxial Bilayer Graphene Induced by Silicene Intercalation. <i>Nano Letters</i> , 2020 , 20, 2674-2680	11.5	14
148	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie</i> , 2020 , 132, 8958-8964	3.6	8
147	Air-Stable Monolayer Cu Se Exhibits a Purely Thermal Structural Phase Transition. <i>Advanced Materials</i> , 2020 , 32, e1908314	24	12
146	On-Surface Synthesis of NBN-Doped Zigzag-Edged Graphene Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8873-8879	16.4	27

145	Stereoselective On-Surface Cyclodehydrofluorization of a Tetraphenylporphyrin and Homochiral Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17413-17416	16.4	10
144	Simultaneous generation of direct- and indirect-gap photoluminescence in multilayer MoS ₂ bubbles. <i>Physical Review Materials</i> , 2020 , 4,	3.2	8
143	Two-Dimensional Crystals: Graphene, Silicene, Germanene, and Stanene. <i>Springer Handbooks</i> , 2020 , 243-266		
142	Construction of monolayer IrTe ₂ and the structural transition under low temperatures. <i>Chinese Physics B</i> , 2020 , 29, 078102	1.2	4
141	Electrostatic gating of solid-ion-conductor on InSe flakes and InSe/h-BN heterostructures. <i>Chinese Physics B</i> , 2020 , 29, 118501	1.2	1
140	Epitaxial synthesis and electronic properties of monolayer Pd ₂ Se ₃ . <i>Chinese Physics B</i> , 2020 , 29, 098102	1.2	4
139	Nearly quantized conductance plateau of vortex zero mode in an iron-based superconductor. <i>Science</i> , 2020 , 367, 189-192	33.3	80
138	Direct Visualization of Hydrogen-Transfer Intermediate States by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1536-1541	6.4	1
137	A new Majorana platform in an Fe-As bilayer superconductor. <i>Nature Communications</i> , 2020 , 11, 5688	17.4	22
136	Layer-by-Layer Epitaxy of Porphyrin Ligand Fe(II)-Fe(III) Nanoarchitectures for Advanced Metal-Organic Framework Growth. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11752-11759	5.6	5
135	Insulating SiO ₂ under Centimeter-Scale, Single-Crystal Graphene Enables Electronic-Device Fabrication. <i>Nano Letters</i> , 2020 , 20, 8584-8591	11.5	12
134	Fabrication and manipulation of nanosized graphene homojunction with atomically-controlled boundaries. <i>Nano Research</i> , 2020 , 13, 3286-3291	10	2
133	Ferroelectric-Gated InSe Photodetectors with High On/Off Ratios and Photoresponsivity. <i>Nano Letters</i> , 2020 , 20, 6666-6673	11.5	15
132	InSe/hBN/graphite heterostructure for high-performance 2D electronics and flexible electronics. <i>Nano Research</i> , 2020 , 13, 1127-1132	10	24
131	Centimeter-scale, single-crystalline, AB-stacked bilayer graphene on insulating substrates. <i>2D Materials</i> , 2019 , 6, 045044	5.9	10
130	Atomically precise, custom-design origami graphene nanostructures. <i>Science</i> , 2019 , 365, 1036-1040	33.3	95
129	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe ₂ . <i>Nano Letters</i> , 2019 , 19, 4551-4559		26
128	Modeling Atomic-Scale Electrical Contact Quality Across Two-Dimensional Interfaces. <i>Nano Letters</i> , 2019 , 19, 3654-3662	11.5	10

127	Spectroscopic signatures of edge states in hexagonal boron nitride. <i>Nano Research</i> , 2019 , 12, 1663-1667	10	6
126	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	3.8	3
125	Formation of Two-Dimensional AgTe Monolayer Atomic Crystal on Ag(111) Substrate. <i>Chinese Physics Letters</i> , 2019 , 36, 028102	1.8	13
124	Spontaneous Formation of 1D Pattern in Monolayer VSe with Dispersive Adsorption of Pt Atoms for HER Catalysis. <i>Nano Letters</i> , 2019 , 19, 4897-4903	11.5	31
123	Half-integer level shift of vortex bound states in an iron-based superconductor. <i>Nature Physics</i> , 2019 , 15, 1181-1187	16.2	69
122	Tunable giant magnetoresistance in a single-molecule junction. <i>Nature Communications</i> , 2019 , 10, 3599	17.4	21
121	Evidence of Topological Edge States in Buckled Antimonene Monolayers. <i>Nano Letters</i> , 2019 , 19, 6323-6329	3	40
120	Fabrication of large-scale graphene/2D-germanium heterostructure by intercalation. <i>Chinese Physics B</i> , 2019 , 28, 078103	1.2	6
119	Direct probing of imperfection-induced electrical degradation in millimeter-scale graphene on SiO ₂ substrates. <i>2D Materials</i> , 2019 , 6, 045033	5.9	1
118	Substrate, a choice of engineering the pseudospin in graphene. <i>2D Materials</i> , 2019 , 6, 045050	5.9	4
117	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe Nanoplates. <i>Nano Letters</i> , 2019 , 19, 8572-8580	11.5	24
116	Electronic structure of exfoliated millimeter-sized monolayer WSe ₂ on silicon wafer. <i>Nano Research</i> , 2019 , 12, 3095-3100	10	9
115	One-step solution synthesis of a two-dimensional semiconducting covalent organometallic nanosheet the condensation of boronic acid.. <i>RSC Advances</i> , 2019 , 9, 29327-29330	3.7	2
114	Barrierless On-Surface Metal Incorporation in Phthalocyanine-Based Molecules. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 6678-6683	3.8	7
113	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. <i>Advanced Materials</i> , 2018 , 30, e1707055	24	72
112	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. <i>Nano Letters</i> , 2018 , 18, 2133-2139	11.5	159
111	Recent progress in 2D group-VA semiconductors: from theory to experiment. <i>Chemical Society Reviews</i> , 2018 , 47, 982-1021	58.5	549
110	Recovery of edge states of graphene nanoislands on an iridium substrate by silicon intercalation. <i>Nano Research</i> , 2018 , 11, 3722-3729	10	8

109	Electronic effects and fundamental physics studied in molecular interfaces. <i>Chemical Communications</i> , 2018 , 54, 5508-5517	5.8	3
108	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	10.6	61
107	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	11.5	17
106	Bandgap broadening at grain boundaries in single-layer MoS ₂ . <i>Nano Research</i> , 2018 , 11, 6102-6109	10	17
105	Tuning the morphology of chevron-type graphene nanoribbons by choice of annealing temperature. <i>Nano Research</i> , 2018 , 11, 6190-6196	10	13
104	Evidence for Majorana bound states in an iron-based superconductor. <i>Science</i> , 2018 , 362, 333-335	33.3	299
103	Black Arsenic: A Layered Semiconductor with Extreme In-Plane Anisotropy. <i>Advanced Materials</i> , 2018 , 30, e1800754	24	109
102	Thick Layered Semiconductor Devices with Water Top-Gates: High On-Off Ratio Field-Effect Transistors and Aqueous Sensors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23198-23207	9.5	13
101	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , 2018 , 12, 12657-12664	16.7	23
100	A low-temperature scanning probe microscopy system with molecular beam epitaxy and optical access. <i>Review of Scientific Instruments</i> , 2018 , 89, 113705	1.7	2
99	Stable Silicene in Graphene/Silicene Van der Waals Heterostructures. <i>Advanced Materials</i> , 2018 , 30, e1804650	4.50	55
98	Controllable Density of Atomic Bromine in a Two-Dimensional Hydrogen Bond Network. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 25681-25684	3.8	4
97	Construction of bilayer PdSe ₂ on epitaxial graphene. <i>Nano Research</i> , 2018 , 11, 5858-5865	10	62
96	Fabrication of Millimeter-Scale, Single-Crystal One-Third-Hydrogenated Graphene with Anisotropic Electronic Properties. <i>Advanced Materials</i> , 2018 , 30, e1801838	24	14
95	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	58.5	63
94	Sequence of Silicon Monolayer Structures Grown on a Ru Surface: from a Herringbone Structure to Silicene. <i>Nano Letters</i> , 2017 , 17, 1161-1166	11.5	67
93	Direct Evidence of Dirac Signature in Bilayer Germanene Islands on Cu(111). <i>Advanced Materials</i> , 2017 , 29, 1606046	24	72
92	Direct observation of spin-layer locking by local Rashba effect in monolayer semiconducting PtSe film. <i>Nature Communications</i> , 2017 , 8, 14216	17.4	110

91	Identifying and Visualizing the Edge Terminations of Single-Layer MoSe Island Epitaxially Grown on Au(111). <i>ACS Nano</i> , 2017 , 11, 1689-1695	16.7	35
90	Moiré Superlattice-level stick-slip instability originated from geometrically corrugated graphene on a strongly interacting substrate. <i>2D Materials</i> , 2017 , 4, 025079	5.9	22
89	Upgrade of a commercial four-probe scanning tunneling microscopy system. <i>Review of Scientific Instruments</i> , 2017 , 88, 063704	1.7	12
88	Direct measurements of conductivity and mobility in millimeter-sized single-crystalline graphene via van der Pauw geometry. <i>Chinese Physics B</i> , 2017 , 26, 066801	1.2	8
87	From bidirectional rectifier to polarity-controllable transistor in black phosphorus by dual gate modulation. <i>2D Materials</i> , 2017 , 4, 025056	5.9	3
86	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe. <i>Advanced Materials</i> , 2017 , 29, 1605407	10.7	249
85	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 326-331	6.4	23
84	Interatomic Spin Coupling in Manganese Clusters Registered on Graphene. <i>Physical Review Letters</i> , 2017 , 119, 176806	7.4	14
83	Design of Two-Dimensional Graphene-like Dirac Materials β XBeB (X = H, F, Cl) from Non-graphene-like β Borophene. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 4594-4599	6.4	18
82	Lattice-Directed Construction of Metal-Organic Molecular Wires of Pentacene on the Au(110) Surface. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 21650-21657	3.8	9
81	Evidence for Ultralow-Energy Vibrations in Large Organic Molecules. <i>Nano Letters</i> , 2017 , 17, 4929-4933	11.5	9
80	Direct Four-Probe Measurement of Grain-Boundary Resistivity and Mobility in Millimeter-Sized Graphene. <i>Nano Letters</i> , 2017 , 17, 5291-5296	11.5	48
79	Termination of Ge surfaces with ultrathin GeS and GeS layers via solid-state sulfurization. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 32473-32480	3.6	15
78	Sulfur-doped graphene nanoribbons with a sequence of distinct band gaps. <i>Nano Research</i> , 2017 , 10, 3377-3384	10	33
77	Impurity-induced formation of bilayered graphene on copper by chemical vapor deposition. <i>Nano Research</i> , 2016 , 9, 2803-2810	10	19
76	Introduction of Interfacial Charges to Black Phosphorus for a Family of Planar Devices. <i>Nano Letters</i> , 2016 , 16, 6870-6878	11.5	60
75	Building block analysis of 2D amorphous networks reveals medium range correlation. <i>Journal of Non-Crystalline Solids</i> , 2016 , 435, 40-47	3.9	31
74	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016 , 28, 5013-7	24	22

73	Tuning the Proximity Effect through Interface Engineering in a Pb/Graphene/Pt Trilayer System. <i>ACS Nano</i> , 2016 , 10, 4520-4	16.7	2
72	Epitaxy of Ultrathin SnSe Single Crystals on Polydimethylsiloxane: In-Plane Electrical Anisotropy and Gate-Tunable Thermopower. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600292	6.4	23
71	Revealing the atomic site-dependent g factor within a single magnetic molecule via the extended Kondo effect. <i>Physical Review Letters</i> , 2015 , 114, 126601	7.4	24
70	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	3.8	16
69	Role of Cooperative Interactions in the Intercalation of Heteroatoms between Graphene and a Metal Substrate. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7099-103	16.4	38
68	Structural and Electronic Properties of Pb- Intercalated Graphene on Ru(0001). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9839-9844	3.8	26
67	Adsorption behavior of Fe atoms on a naphthalocyanine monolayer on Ag(111) surface. <i>Chinese Physics B</i> , 2015 , 24, 076802	1.2	5
66	Construction of single-crystalline supramolecular networks of perchlorinated hexa-peri-hexabenzocoronene on Au(111). <i>Journal of Chemical Physics</i> , 2015 , 142, 101911	3.9	8
65	Room-Temperature, Low-Barrier Boron Doping of Graphene. <i>Nano Letters</i> , 2015 , 15, 6464-8	11.5	18
64	Reliable Exfoliation of Large-Area High-Quality Flakes of Graphene and Other Two-Dimensional Materials. <i>ACS Nano</i> , 2015 , 9, 10612-20	16.7	334
63	Ferromagnetism and perfect spin filtering in transition-metal-doped graphyne nanoribbons. <i>Physical Review B</i> , 2015 , 92,	3.3	32
62	Monolayer PtSe ₂ : A New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. <i>Nano Letters</i> , 2015 , 15, 4013-8	11.5	420
61	Constructing molecular structures on periodic superstructure of graphene/Ru(0001). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014 , 372, 20130015	3	8
60	Construction of two-dimensional hydrogen clusters on Au(111) directed by phthalocyanine molecules. <i>Nano Research</i> , 2014 , 7, 79-84	10	11
59	Reversible achiral-to-chiral switching of single Mn--phthalocyanine molecules by thermal hydrogenation and inelastic electron tunneling dehydrogenation. <i>ACS Nano</i> , 2014 , 8, 2246-51	16.7	31
58	Kondo effect of cobalt adatoms on a graphene monolayer controlled by substrate-induced ripples. <i>Nano Letters</i> , 2014 , 14, 4011-5	11.5	51
57	Direct visualization of surface-assisted two-dimensional diyne polycyclotrimerization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5567-70	16.4	115
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> , 2014 , 118, 6278-6282	3.8	6

55	Strain-induced anisotropic transport properties of LaBaCoO ₄ thin films on NdGaO ₃ substrates. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8526-30	9.5	28
54	Buckled germanene formation on Pt(111). <i>Advanced Materials</i> , 2014 , 26, 4820-4	24	611
53	Construction of 2D atomic crystals on transition metal surfaces: graphene, silicene, and hafnene. <i>Small</i> , 2014 , 10, 2215-25	11	74
52	Buckled silicene formation on Ir(111). <i>Nano Letters</i> , 2013 , 13, 685-90	11.5	950
51	Two-dimensional transition metal honeycomb realized: Hf on Ir(111). <i>Nano Letters</i> , 2013 , 13, 4671-4	11.5	89
50	Moiré beatings in graphene on Ru(0001). <i>Physical Review B</i> , 2013 , 88,	3.3	35
49	Template-directed assembly of pentacene molecules on epitaxial graphene on Ru(0001). <i>Nano Research</i> , 2013 , 6, 131-137	10	28
48	Anomalous phase relations of quantum size effects in ultrathin Pb films on Si(111). <i>Physical Review B</i> , 2013 , 87,	3.3	10
47	Nanoscale Materials: A General Approach for Fast Detection of Charge Carrier Type and Conductivity Difference in Nanoscale Materials (Adv. Mater. 48/2013). <i>Advanced Materials</i> , 2013 , 25, 6916-6916	24	
46	Reversible single spin control of individual magnetic molecule by hydrogen atom adsorption. <i>Scientific Reports</i> , 2013 , 3, 1210	4.9	106
45	Studies of graphene-based nanoelectromechanical switches. <i>Nano Research</i> , 2012 , 5, 82-87	10	46
44	Tuning structural and mechanical properties of two-dimensional molecular crystals: the roles of carbon side chains. <i>Nano Letters</i> , 2012 , 12, 1229-34	11.5	26
43	Fabrication of patterned boron carbide nanowires and their electrical, field emission, and flexibility properties. <i>Nano Research</i> , 2012 , 5, 896-902	10	10
42	Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). <i>Applied Physics Letters</i> , 2012 , 100, 093101	3.4	90
41	Identifying multiple configurations of complex molecules on metal surfaces. <i>Small</i> , 2012 , 8, 796-806, 795	11	4
40	Surfaces: Identifying Multiple Configurations of Complex Molecules on Metal Surfaces (Small 6/2012). <i>Small</i> , 2012 , 8, 795-795	11	1
39	Synthesis of monodisperse CoPt ₃ nanocrystals and their catalytic behavior for growth of boron nanowires. <i>Nano Research</i> , 2011 , 4, 780-787	10	10
38	Dopamine as a Carbon Source: The Controlled Synthesis of Hollow Carbon Spheres and Yolk-Structured Carbon Nanocomposites. <i>Angewandte Chemie</i> , 2011 , 123, 6931-6934	3.6	77

37	Site- and Configuration-Selective Anchoring of Iron Porphthalocyanine on the Step Edges of Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10791-10796	3.8	27
36	Self-assembly of molecular wires on H-terminated Si(100) surfaces driven by London dispersion forces. <i>Physical Review B</i> , 2011 , 84,	3.3	9
35	Synthesis of PbTe/Pb quasi-one-dimensional nanostructure material arrays by electrodeposition. <i>Applied Physics Letters</i> , 2010 , 96, 143113	3.4	6
34	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> , 2010 , 11, 656-71	6.3	6
33	Surface-step-terrace-induced anomalous transport properties in highly epitaxial La _{0.67} Ca _{0.33} MnO ₃ thin films. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2496-9	9.5	17
32	Structural Transition and Thermal Stability of a Coronene Molecular Monolayer on Cu(110). <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11180-11184	3.8	5
31	Polymorphism and chiral expression in two-dimensional subphthalocyanine crystals on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 1318-22	3.6	38
30	Metal-like single crystalline boron nanotubes: synthesis and in situ study on electric transport and field emission properties. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2197		139
29	Understanding formation of molecular rotor array on Au(111) surface. <i>Frontiers of Physics in China</i> , 2010 , 5, 380-386		2
28	Effect of Contact Mode on the Electrical Transport and Field-Emission Performance of Individual Boron Nanowires. <i>Advanced Functional Materials</i> , 2010 , 20, 1994-2003	15.6	17
27	Pressure-induced superconducting state in crystalline boron nanowires. <i>Physical Review B</i> , 2009 , 79,	3.3	15
26	Stable and reversible optoelectrical dual-mode data storage based on a ferrocenylspiropyran molecule. <i>Applied Physics Letters</i> , 2009 , 95, 183307	3.4	9
25	Boron Nanowires for Flexible Electronics and Field Emission 2009 ,		1
24	Highly Ordered, Millimeter-Scale, Continuous, Single-Crystalline Graphene Monolayer Formed on Ru (0001). <i>Advanced Materials</i> , 2009 , 21, 2777-2780	24	351
23	Solvothermal-assisted exfoliation process to produce graphene with high yield and high quality. <i>Nano Research</i> , 2009 , 2, 706-712	10	198
22	Alternating the Crystalline Structural Transition of Coronene Molecular Overlayers on Ag(110) through Temperature Increase. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17643-17647	3.8	8
21	Oleylamine as Both Reducing Agent and Stabilizer in a Facile Synthesis of Magnetite Nanoparticles. <i>Chemistry of Materials</i> , 2009 , 21, 1778-1780	9.6	458
20	Reversible and Reproducible Conductance Transition in a Polyimide Thin Film. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17038-17041	3.8	7

19	Single crystalline highly epitaxial Pt thin films on (001) SrTiO ₃ . <i>Applied Physics Letters</i> , 2008 , 92, 102102	3.4	18
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17	Fabrication of Vertically Aligned Single-Crystalline Boron Nanowire Arrays and Investigation of Their Field-Emission Behavior. <i>Advanced Materials</i> , 2008 , 20, 2609-2615	24	88
16	A non-planar organic molecule with non-volatile electrical bistability for nano-scale data storage. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3530		26
15	Reversible, erasable, and rewritable nanorecording on an H ₂ rotaxane thin film. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2204-5	16.4	70
14	A new route to single crystalline vanadium dioxide nanoflakes via thermal reduction. <i>Journal of Materials Research</i> , 2007 , 22, 1921-1926	2.5	15
13	Microwave Absorption of Single-Walled Carbon Nanotubes/Soluble Cross-Linked Polyurethane Composites. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13696-13700	3.8	280
12	Synthesis, characterization and self-assemblies of magnetite nanoparticles. <i>Surface and Interface Analysis</i> , 2006 , 38, 1063-1067	1.5	18
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10	Structural and Conductance Transitions of Rotaxane Based Nanostructures and Application in Nanorecording. <i>Journal of Computational and Theoretical Nanoscience</i> , 2006 , 3, 970-981	0.3	4
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