Dong Wang

List of Publications by Year
in descending order

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199 papers	8,486 citations	47 h-index	84 g-index
		47006	54911
204 all docs	204 docs citations	204 times ranked	11725 citing authors

#	Article	IF	Citations
1	Coordination-Assisted Precise Construction of Metal Oxide Nanofilms for High-Performance Solid-State Batteries. Journal of the American Chemical Society, 2022, 144, 2179-2188.	13.7	38
2	Tuning Photoexcited Charge Transfer in Imine-Linked Two-Dimensional Covalent Organic Frameworks. Journal of Physical Chemistry Letters, 2022, 13, 1398-1405.	4.6	16
3	Constructing Stable Chromenoquinoline-Based Covalent Organic Frameworks via Intramolecular Povarov Reaction. Journal of the American Chemical Society, 2022, 144, 2488-2494.	13.7	57
4	Two-dimensional Covalent Organic Frameworks: Tessellation by Synthetic Art. Chemical Research in Chinese Universities, 2022, 38, 265-274.	2.6	3
5	Electrochemical Onâ€Site Switching of the Directional Liquid Transport on a Conical Fiber. Advanced Materials, 2022, 34, e2200759.	21.0	11
6	Design Rules of Hydrogen-Bonded Organic Frameworks with High Chemical and Thermal Stabilities. Journal of the American Chemical Society, 2022, 144, 10663-10687.	13.7	174
7	Organic donor-acceptor heterojunctions for high performance circularly polarized light detection. Nature Communications, 2022, 13, .	12.8	33
8	Ambient synthesis of metalâ€“covalent organic frameworks with Fe-iminopyridine linkages. Chemical Communications, 2022, 58, 8830-8833.	4.1	5
9	Modulation of destructive quantum interference by bridge groups in truxene-based single-molecule junctions. Chemical Communications, 2021, 57, 667-670.	4.1	9
10	2D cocrystal engineering: switching the robust carboxylic acidâ€“pyridine supramolecular heterosynthon via an oriented external electric field. CrystEngComm, 2021, 23, 3849-3855.	2.6	3
11	Insights into electrocatalysis by scanning tunnelling microscopy. Chemical Society Reviews, 2021, 50, 5832-5849.	38.1	40
12	Coordination-directed self-assembly of molecular motors: towards a two-wheel drive nanocar. Nanoscale, 2021, 13, 16748-16754.	5.6	9
13	Synthesis of Covalent Organic Framework Films at Interfaces. Bulletin of the Chemical Society of Japan, 2021, 94, 1090-1098.	3.2	37
14	A Covalent Organic Framework Film for Threeâ€State Nearâ€Infrared Electrochromism and a Molecular Logic Gate. Angewandte Chemie, 2021, 133, 12606-12611.	2.0	9
15	A Covalent Organic Framework Film for Threeâ€State Nearâ€Infrared Electrochromism and a Molecular Logic Gate. Angewandte Chemie - International Edition, 2021, 60, 12498-12503.	13.8	60
16	Sub-5 nm single crystalline organic pâ€“n heterojunctions. Nature Communications, 2021, 12, 2774.	12.8	39
17	Surface-Confined Friedelâ€“Crafts Alkylation Reaction of 2,4-Dialkoxylbenzyl Alcohols: An STM Study. Journal of Physical Chemistry C, 2021, 125, 15354-15362.	3.1	1
18	Using Weakly Supervised Deep Learning to Classify and Segment Singleâ€Molecule Breakâ€Junction Conductance Traces. ChemPhysChem, 2021, 22, 2107-2114.	2.1	4

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19	Chirality of molecular nanostructures on surfaces via molecular assembly and reaction: manifestation and control. Surface Science Reports, 2021, 76, 100531.	7.2	26
20	Synthesis of Two-Dimensional Câ€“C Bonded Truxene-Based Covalent Organic Frameworks by Irreversible BrÃ¸nsted Acid-Catalyzed Aldol Cyclotrimerization. Research, 2021, 2021, 9790705.	5.7	4
21	Pd Porphyrin Cofacial Dimer Formed via CO2 Binding: An in Situ Electrochemistry Scanning Tunneling Microscopy Study. Journal of Physical Chemistry C, 2021, 125, 24915-24919.	3.1	7
22	Facilitated Interfacial Electronic Processes by the Ï€â€“Ï€ Stacked Edge-on Tetrabenzoporphyrin/Graphene Layer Enables Broadband Ultrasensitive Photodetecting with Prompt Response. ACS Applied Electronic Materials, 2020, 2, 3459-3467.	4.3	3
23	Redistribution of Li-ions using covalent organic frameworks towards dendrite-free lithium anodes: a mechanism based on a Galton Board. Science China Chemistry, 2020, 63, 1306-1314.	8.2	32
24	Chemoselective Onâ€surface Homocoupling of Terminal Alkynes Catalyzed by Exogenous Cupric Ions. Chemistry - an Asian Journal, 2020, 15, 2627-2630.	3.3	3
25	On-Surface Growth of Single-Layered Homochiral 2D Covalent Organic Frameworks by Steric Hindrance Strategy. Journal of the American Chemical Society, 2020, 142, 14350-14356.	13.7	30
26	Resistive Switching Memory Performance of Two-Dimensional Polyimide Covalent Organic Framework Films. ACS Applied Materials & Interfaces, 2020, 12, 51837-51845.	8.0	57
27	Inâ€…Situ Scanning Tunneling Microscopy of Cobaltâ€Phthalocyanineâ€Catalyzed CO 2 Reduction Reaction. Angewandte Chemie, 2020, 132, 16232-16237.	2.0	6
28	Inâ€…Situ Scanning Tunneling Microscopy of Cobaltâ€Phthalocyanineâ€Catalyzed CO₂ Reduction Reaction. Angewandte Chemie - International Edition, 2020, 59, 16098-16103.	13.8	56
29	Confined Synthesis of Oriented Two-Dimensional Ni₃(hexaiminotriphenylene)₂ Films for Electrocatalytic Oxygen Evolution Reaction. Langmuir, 2020, 36, 7528-7532.	3.5	21
30	Microscopic investigations on the surface-state dependent moisture stability of a hybrid perovskite. Nanoscale, 2020, 12, 7759-7765.	5.6	12
31	Visualization of Crystallographic Orientation and Twist Angles in Two-Dimensional Crystals with an Optical Microscope. Nano Letters, 2020, 20, 6059-6066.	9.1	6
32	Stable Sodium Metal Batteries via Manipulation of Electrolyte Solvation Structure. Small Methods, 2020, 4, 1900856.	8.6	73
33	Construction of 2D extended cocrystals on the Au(111) surface via Iâ‹¯O_{aldehyde} halogen bonds. Chemical Communications, 2020, 56, 3539-3542.	4.1	9
34	Monolayer Twoâ€dimensional Molecular Crystals for an Ultrasensitive OFETâ€based Chemical Sensor. Angewandte Chemie - International Edition, 2020, 59, 4380-4384.	13.8	90
35	Snapshots of Lifeâ€”Early Career Materials Scientists Managing in the Midst of a Pandemic. Chemistry of Materials, 2020, 32, 3673-3677.	6.7	5
36	Single-Molecule Conductance through an Isoelectronic Bâ€“N Substituted Phenanthrene Junction. Journal of the American Chemical Society, 2020, 142, 8068-8073.	13.7	37

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37	A universal cross-linking binding polymer composite for ultrahigh-loading Li-ion battery electrodes. Journal of Materials Chemistry A, 2020, 8, 9693-9700.	10.3	29
38	On-Surface Synthesis of Highly Ordered Covalent SierpiÅ„ski Triangle Fractals. Journal of the American Chemical Society, 2019, 141, 11378-11382.	13.7	39
39	2D Co-crystallization of molecular homologues promoted by size complementarity of the alkyl chains at the liquid/solid interface. Physical Chemistry Chemical Physics, 2019, 21, 17846-17851.	2.8	1
40	Single-molecule level control of host-guest interactions in metallocycle-C60 complexes. Nature Communications, 2019, 10, 4599.	12.8	44
41	Rational design of two-dimensional covalent tilings using a C6-symmetric building block via on-surface Schiff base reaction. Chemical Communications, 2019, 55, 1326-1329.	4.1	21
42	Temperature-Directed Hierarchical Surface Supramolecular Assembly. Journal of Physical Chemistry C, 2019, 123, 13775-13781.	3.1	10
43	Temperature-Dependent Local Electrical Properties of Organicâ€“Inorganic Halide Perovskites: In Situ KPFM and c-AFM Investigation. ACS Applied Materials & Interfaces, 2019, 11, 21627-21633.	8.0	42
44	Tri-Stable Structural Switching in 2D Molecular Assembly at the Liquid/Solid Interface Triggered by External Electric Field. ACS Nano, 2019, 13, 6751-6759.	14.6	10
45	Insight into the Transimination Process in the Fabrication of Surface Schiff-Based Covalent Organic Frameworks. Langmuir, 2019, 35, 6333-6339.	3.5	15
46	Molecular Evidence for the Catalytic Process of Cobalt Porphyrin Catalyzed Oxygen Evolution Reaction in Alkaline Solution. Journal of the American Chemical Society, 2019, 141, 7665-7669.	13.7	61
47	Supramolecular Complexes of C₈₀-Based Metallofullerenes with [12]Cycloparaphenylene Nanoring and Altered Property in a Confined Space. Journal of Physical Chemistry C, 2019, 123, 12514-12520.	3.1	25
48	High-resolution imaging of graphene by tip-enhanced coherent anti-Stokes Raman scattering. Journal of Innovative Optical Health Sciences, 2019, 12, .	1.0	4
49	In situ reversible underwater superwetting transition by electrochemical atomic alternation. Nature Communications, 2019, 10, 1212.	12.8	31
50	Formation of multicomponent 2D assemblies of C2v-symmetric terphenyl tetracarboxylic acid at the solid/liquid interface: recognition, selection, and transformation. RSC Advances, 2019, 9, 11659-11663.	3.6	10
51	Oriented Two-Dimensional Covalent Organic Framework Films for Near-Infrared Electrochromic Application. Journal of the American Chemical Society, 2019, 141, 19831-19838.	13.7	151
52	A facile approach to prepare phosphorus and nitrogen containing macromolecular covalent organic nanosheets for enhancing flame retardancy and mechanical property of epoxy resin. Composites Part B: Engineering, 2019, 164, 390-399.	12.0	72
53	Potential- and concentration-dependent self-assembly structures at solid/liquid interfaces. Nanoscale, 2018, 10, 3438-3443.	5.6	12
54	Degradation Chemistry and Stabilization of Exfoliated Few-Layer Black Phosphorus in Water. Journal of the American Chemical Society, 2018, 140, 7561-7567.	13.7	273

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55	Effects of Gas-Particle Partitioning on Refractive Index and Chemical Composition of m-Xylene Secondary Organic Aerosol. Journal of Physical Chemistry A, 2018, 122, 3250-3260.	2.5	23
56	Self-assembly of an oligo(p-phenylenevinylene)-based molecule on an HOPG surface: insights from multi-scale simulation and STM observation. RSC Advances, 2018, 8, 31868-31873.	3.6	3
57	Molecular Quadripod as a Noncovalent Interfacial Coupling Reagent for Forming Immobilized Coordination Assemblies. Journal of the American Chemical Society, 2018, 140, 12337-12340.	13.7	10
58	Confined Synthesis of Two-Dimensional Covalent Organic Framework Thin Films within Superspreading Water Layer. Journal of the American Chemical Society, 2018, 140, 12152-12158.	13.7	231
59	Directed assembly of fullerene on modified Au(111) electrodes. Chemical Communications, 2018, 54, 8052-8055.	4.1	5
60	Heterogeneous nucleation and growth of highly crystalline imine-linked covalent organic frameworks. Chemical Communications, 2018, 54, 5976-5979.	4.1	53
61	Oriented Covalent Organic Framework Film on Graphene for Robust Ambipolar Vertical Organic Field-Effect Transistor. Chemistry of Materials, 2017, 29, 4367-4374.	6.7	160
62	Review on mechanism of directly fabricating wafer-scale graphene on dielectric substrates by chemical vapor deposition. Nanotechnology, 2017, 28, 284001.	2.6	16
63	Development of simulation approach for two-dimensional chiral molecular self-assembly driven by hydrogen bond at the liquid/solid interface. Surface Science, 2017, 663, 71-80.	1.9	5
64	Interfacial synthesis of ordered and stable covalent organic frameworks on amino-functionalized carbon nanotubes with enhanced electrochemical performance. Chemical Communications, 2017, 53, 6303-6306.	4.1	147
65	Simultaneous construction of two linkages for the on-surface synthesis of imineâ€“boroxine hybrid covalent organic frameworks. Chemical Science, 2017, 8, 2169-2174.	7.4	57
66	The intramolecular H-bonding effect on the growth and stability of Schiff-base surface covalent organic frameworks. Physical Chemistry Chemical Physics, 2017, 19, 539-543.	2.8	17
67	Enhanced Light Scattering of Secondary Organic Aerosols by Multiphase Reactions. Environmental Science & Technology, 2017, 51, 1285-1292.	10.0	29
68	Construction of 2D nanoporous networks by coupling on-surface dynamic imine chemistry and dipole-stabilized self-assembly. Chemical Communications, 2017, 53, 428-431.	4.1	7
69	Switching the surface homochiral assembly by surface hostâ€“guest chemistry. Chemical Communications, 2017, 53, 11095-11098.	4.1	14
70	Ionic interaction-induced assemblies of bimolecular â€œchessboardâ€•structures. Chemical Communications, 2017, 53, 9129-9132.	4.1	8
71	Template synthesis of imine-based covalent organic framework core-shell structure and hollow sphere: a case of COFTTA-DHTA. Science China Chemistry, 2017, 60, 1098-1102.	8.2	25
72	Special topic on research frontiers in porous organic polymers. Science China Chemistry, 2017, 60, 997-998.	8.2	1

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73	Concentration-Directed Polymorphic Surface Covalent Organic Frameworks: Rhombus, Parallelogram, and Kagome. ACS Nano, 2017, 11, 11694-11700.	14.6	82
74	Competitive chiral induction in a 2D molecular assembly: Intrinsic chirality versus coadsorber-induced chirality. Science Advances, 2017, 3, e1701208.	10.3	16
75	<i>In situ</i> AFM Investigation of Interfacial Morphology of Single Crystal Silicon Wafer Anode. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 283-289.	4.9	3
76	Promoting visible light-driven hydrogen evolution over CdS nanorods using earth-abundant CoP as a cocatalyst. RSC Advances, 2016, 6, 33120-33125.	3.6	56
77	Multi-layered mesh-like MoS2 hierarchical nanostructure fabricated on Ti foil: An efficient noble metal-free photocatalyst for visible-light-driven H2 evolution from water. Catalysis Communications, 2016, 82, 7-10.	3.3	15
78	Influence of N,N-Dimethylformamide Annealing on the Local Electrical Properties of Organometal Halide Perovskite Solar Cells: an Atomic Force Microscopy Investigation. ACS Applied Materials & Interfaces, 2016, 8, 26002-26007.	8.0	39
79	Self-assembly of a sulfur-bridged annulene: Substrate effect and donor-acceptor complex. Journal of Electroanalytical Chemistry, 2016, 781, 20-23.	3.8	3
80	Molecular Conductance through a Quadrupleâ€Hydrogenâ€Bondâ€Bridged Supramolecular Junction. Angewandte Chemie, 2016, 128, 12581-12585.	2.0	11
81	Cobaltâ€Porphyrinâ€Catalyzed Oxygen Reduction Reaction: Aâ€…Scanning Tunneling Microscopy Study. ChemElectroChem, 2016, 3, 2048-2051.	3.4	22
82	Turning off the majority-rules effect in two-dimensional hierarchical chiral assembly by introducing a chiral mismatch. Nanoscale, 2016, 8, 17861-17868.	5.6	10
83	Electrospray soft-landing for the construction of non-covalent molecular nanostructures using charged droplets under ambient conditions. Chemical Communications, 2016, 52, 13660-13663.	4.1	19
84	Single-Molecule Imaging of Iron-Phthalocyanine-Catalyzed Oxygen Reduction Reaction by in Situ Scanning Tunneling Microscopy. ACS Nano, 2016, 10, 8746-8750.	14.6	78
85	Molecular Conductance through a Quadrupleâ€Hydrogenâ€Bondâ€Bridged Supramolecular Junction. Angewandte Chemie - International Edition, 2016, 55, 12393-12397.	13.8	53
86	Enantiomeric Excess-Tuned 2D Structural Transition: From Heterochiral to Homochiral Supramolecular Assemblies. Langmuir, 2016, 32, 6830-6835.	3.5	11
87	Manifesting the sergeants-and-soldiers principle in coadsorber induced homochiral polymorphic assemblies at the liquid/solid interface. Chemical Communications, 2016, 52, 12088-12091.	4.1	7
88	Insight into the Interfacial Process and Mechanism in Lithiumâ€“Sulfur Batteries: An In Situ AFM Study. Angewandte Chemie - International Edition, 2016, 55, 15835-15839.	13.8	119
89	Insight into the Interfacial Process and Mechanism in Lithiumâ€“Sulfur Batteries: An In Situ AFM Study. Angewandte Chemie, 2016, 128, 16067-16071.	2.0	10
90	Directed block copolymer self-assembly implemented via surface-embedded electrets. Nature Communications, 2016, 7, 10752.	12.8	27

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91	Construction of boronate ester based single-layered covalent organic frameworks. Chemical Communications, 2016, 52, 13771-13774.	4.1	29
92	Click and Patterned Functionalization of Graphene by Dielsâ€“Alder Reaction. Journal of the American Chemical Society, 2016, 138, 7448-7451.	13.7	81
93	Fabrication of bilayer tetrathiafulvalene integrated surface covalent organic frameworks. Physical Chemistry Chemical Physics, 2016, 18, 17356-17359.	2.8	19
94	Selective Growth of Covalent Organic Framework Ultrathin Films on Hexagonal Boron Nitride. Journal of Physical Chemistry C, 2016, 120, 14706-14711.	3.1	69
95	Microdomain orientation control of PS-b-PMMA films enabled by wettability relay of graphene. RSC Advances, 2016, 6, 7527-7531.	3.6	1
96	On-Surface Dynamic Covalent Chemistry. Advances in Atom and Single Molecule Machines, 2016, , 221-235.	0.0	0
97	Surface Hostâ€“Guest Supramolecular Assemblies on Porphyrin-Based Covalent Organic Grids. Journal of Physical Chemistry C, 2016, 120, 15753-15757.	3.1	16
98	Organized Molecular Interface-Induced Noncrystallizable Polymer Ultrathin Nanosheets with Ordered Chain Alignment. ACS Nano, 2016, 10, 948-956.	14.6	10
99	Optoeletronic investigation of Cu2ZnSn(S,Se)4 thin-films & Cu2ZnSn(S,Se)4/CdS interface with scanning probe microscopy. Science China Chemistry, 2016, 59, 231-236.	8.2	5
100	Molecular Dynamics Simulation of a Chiral Self-Assembled Structure of a BIC and HA System on a HOPG Surface Driven by Hydrogen Bonds. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 2255-2263.	4.9	1
101	Conformation Diversity of a Fusedâ€Ring Pyrazine Derivative on Au(111) and Highly Ordered Pyrolytic Graphite. Chemistry - an Asian Journal, 2015, 10, 1311-1317.	3.3	7
102	Molecular engineering of Schiff-base linked covalent polymers with diverse topologies by gas-solid interface reaction. Journal of Chemical Physics, 2015, 142, 101905.	3.0	30
103	Synergistic effect between eosin Y and rhodamine B on a photoelectrode coated with Pt nanoparticle-decorated graphene. RSC Advances, 2015, 5, 105969-105979.	3.6	5
104	Microscopic Investigation of Grain Boundaries in Organolead Halide Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 28518-28523.	8.0	173
105	Remote Chiral Communication in Coadsorberâ€Induced Enantioselective 2D Supramolecular Assembly at a Liquid/Solid Interface. Angewandte Chemie - International Edition, 2015, 54, 4309-4314.	13.8	27
106	Facile growth of centimeter-sized single-crystal graphene on copper foil at atmospheric pressure. Journal of Materials Chemistry C, 2015, 3, 3530-3535.	5.5	76
107	The on-surface synthesis of imine-based covalent organic frameworks with non-aromatic linkage. Chemical Communications, 2015, 51, 14318-14321.	4.1	46
108	Nickel(<scp>ii</scp>)-ethylenediamine tetraacetic acid sensitized silicon nanowire array: an efficient cocatalyst-free photocatalyst for photocatalytic hydrogen generation under simulated sunlight irradiation. RSC Advances, 2015, 5, 65660-65667.	3.6	1

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109	In Situ Observation of Electrolyte-Concentration-Dependent Solid Electrolyte Interphase on Graphite in Dimethyl Sulfoxide. ACS Applied Materials & Interfaces, 2015, 7, 9573-9580.	8.0	66
110	Progress of electrode/electrolyte interfacial investigation of Li-ion batteries via in situ scanning probe microscopy. Science Bulletin, 2015, 60, 839-849.	9.0	47
111	Si@Cu@Au AFM tips for tip-enhanced Raman spectrum. Science China Chemistry, 2015, 58, 1494-1500.	8.2	6
112	Formation of Halogen Bond-Based 2D Supramolecular Assemblies by Electric Manipulation. Journal of the American Chemical Society, 2015, 137, 6128-6131.	13.7	117
113	Two-dimensional chiral molecular assembly on solid surfaces: formation and regulation. National Science Review, 2015, 2, 205-216.	9.5	51
114	Substrate Orientation Effect in the On-Surface Synthesis of Tetrathiafulvalene-Integrated Single-Layer Covalent Organic Frameworks. Langmuir, 2015, 31, 11755-11759.	3.5	36
115	Unexpected functions of oxygen in a chemical vapor deposition atmosphere to regulate graphene growth modes. Chemical Communications, 2015, 51, 15486-15489.	4.1	24
116	Chiralityâ€Assisted Ringâ€Like Aggregation of AÎ²(1â€“40) at Liquidâ€“Solid Interfaces: A Stereoselective Twoâ€Step Assembly Process. Angewandte Chemie - International Edition, 2015, 54, 2245-2250.	13.8	47
117	Bilayer Molecular Assembly at a Solid/Liquid Interface as Triggered by a Mild Electric Field. Angewandte Chemie - International Edition, 2014, 53, 13395-13399.	13.8	47
118	Monolayer graphene-supported free-standing PS-b-PMMA thin film with perpendicularly orientated microdomains. RSC Advances, 2014, 4, 63941-63945.	3.6	5
119	Grapheneâ€Like Singleâ€Layered Covalent Organic Frameworks: Synthesis Strategies and Application Prospects. Advanced Materials, 2014, 26, 6912-6920.	21.0	200
120	Freeâ€Standing, Singleâ€Bilayerâ€Thick Polymeric Nanosheets via Spatially Confined Polymerization. Macromolecular Rapid Communications, 2014, 35, 1055-1060.	3.9	9
121	Single Nanowire Electrode Electrochemistry of Silicon Anode by in Situ Atomic Force Microscopy: Solid Electrolyte Interphase Growth and Mechanical Properties. ACS Applied Materials & Interfaces, 2014, 6, 20317-20323.	8.0	100
122	Facet dependent SEI formation on the LiNi_{0.5}Mn_{1.5}O₄cathode identified by in situ single particle atomic force microscopy. Chemical Communications, 2014, 50, 15756-15759.	4.1	43
123	Controllable atmospheric pressure growth of mono-layer, bi-layer and tri-layer graphene. Chemical Communications, 2014, 50, 11012-11015.	4.1	28
124	Adaptive Reorganization of 2D Molecular Nanoporous Network Induced by Coadsorbed Guest Molecule. Langmuir, 2014, 30, 3034-3040.	3.5	26
125	Isomeric Routes to Schiffâ€Base Singleâ€layered Covalent Organic Frameworks. Small, 2014, 10, 4934-4939.	10.0	62
126	Electron Transport Characteristics of the Dimeric 1,4â€Benzenedithiol Junction. Chemistry - an Asian Journal, 2014, 9, 2077-2082.	3.3	5

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127	Morphology and modulus evolution of graphite anode in lithium ion battery: An in situ AFM investigation. Science China Chemistry, 2014, 57, 178-183.	8.2	57
128	Direct Probing of the Structure and Electron Transfer of Fullerene/Ferrocene Hybrid on Au(111) Electrodes by in Situ Electrochemical STM. Journal of the American Chemical Society, 2014, 136, 3184-3191.	13.7	16
129	Electrostatic-Interaction-Induced Molecular Deposition of a Hybrid Bilayer on Au(111): A Scanning Tunneling Microscopy Study. Langmuir, 2014, 30, 3502-3506.	3.5	9
130	Adlayer structures of thiophene and pyrrole derivatives on Au(1 1 1) probed by scanning tunneling microscopy. Journal of Electroanalytical Chemistry, 2014, 716, 87-92.	3.8	4
131	Optical properties of secondary organic aerosols generated by photooxidation of aromatic hydrocarbons. Scientific Reports, 2014, 4, 4922.	3.3	48
132	The structural details and substituent effects on biphenyls adlayers with halogen/pseudohalogen substituents on Au(111): An STM investigation. Journal of Electroanalytical Chemistry, 2013, 688, 237-242.	3.8	8
133	Structural Motif Modulation in 2D Supramolecular Assemblies of Molecular Dipolar Unit Tethered by Alkylene Spacer. Journal of Physical Chemistry C, 2013, 117, 16392-16396.	3.1	17
134	Spaceâ€Confinementâ€Induced Synthesis of Pyridinicâ€and Pyrrolicâ€Nitrogenâ€Doped Graphene for the Catalysis of Oxygen Reduction. Angewandte Chemie - International Edition, 2013, 52, 11755-11759.	13.8	620
135	Surface Tectonics of Nanoporous Networks of Melamineâ€Capped Molecular Building Blocks formed through Interface Schiffâ€Base Reactions. Chemistry - an Asian Journal, 2013, 8, 2466-2470.	3.3	17
136	Globally homochiral assembly of two-dimensional molecular networks triggered by co-absorbers. Nature Communications, 2013, 4, 1389.	12.8	119
137	Efficient water oxidation catalyzed by homogeneous cationic cobalt porphyrins with critical roles for the buffer base. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15579-15584.	7.1	312
138	Hybrid molecular nanostructures with donor-acceptor chains. Science China Chemistry, 2013, 56, 124-130.	8.2	8
139	Solution Effect on Diazonium-Modified Au(111): Reactions and Structures. Langmuir, 2013, 29, 2955-2960.	3.5	11
140	Molecular evidence for the intermolecular Sâ‹¯S interaction in the surface molecular packing motifs of a fused thiophene derivative. Chemical Communications, 2013, 49, 1829.	4.1	32
141	On-Surface Synthesis of Single-Layered Two-Dimensional Covalent Organic Frameworks via Solidâ€“Vapor Interface Reactions. Journal of the American Chemical Society, 2013, 135, 10470-10474.	13.7	370
142	Editorial of the PCCP themed issue â€œScanning tunneling microscopy: revealing new physical chemistry insightâ€• Physical Chemistry Chemical Physics, 2013, 15, 12412.	2.8	2
143	In Situ Scanning Tunneling Microscopy Investigation of Subphthalocyanine and Subnaphthalocyanine Adlayers on a Au(111) Electrode. Langmuir, 2013, 29, 264-270.	3.5	9
144	Two-dimensional self-assemblies of telechelic organic compounds: structure and surface hostâ€“guest chemistry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120302.	3.4	11

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145	MOLECULAR TEMPLATES FOR CONTROLLING AND ORDERING ORGANIC MOLECULES ON SOLID SURFACES. Nano, 2012, 07, 1230001.	1.0	3
146	Initial solid electrolyte interphase formation process of graphite anode in LiPF6 electrolyte: an in situ ECSTM investigation. Physical Chemistry Chemical Physics, 2012, 14, 7330.	2.8	34
147	Preferential face deposition of gold nanoparticles on silicon nanowires by galvanic displacement. CrystEngComm, 2012, 14, 5230.	2.6	24
148	Assembling Structures of Barbituric Acid Derivatives on Graphite Surface Investigated with Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2012, 116, 19349-19354.	3.1	8
149	Potential Dependent Adsorption Geometry of 2,5-Dihydroxybenzoic Acid on a Au(111) Surface: An in Situ Electrochemical Scanning Tunneling Microscopy Study. Journal of Physical Chemistry C, 2012, 116, 6208-6214.	3.1	14
150	Block copolymer-templated chemical nanopatterning on pyrolyzed photoresist carbon films. Chemical Communications, 2012, 48, 9741.	4.1	11
151	Construction and repair of highly ordered 2D covalent networks by chemical equilibrium regulation. Chemical Communications, 2012, 48, 2943.	4.1	188
152	Formation of hostâ€“guest structure at an electrified electrode surface: An electrochemical STM investigation. Electrochemistry Communications, 2012, 17, 82-84.	4.7	2
153	Chiral Hierarchical Molecular Nanostructures on Two-Dimensional Surface by Controllable Trinary Self-Assembly. Journal of the American Chemical Society, 2011, 133, 21010-21015.	13.7	91
154	Hydrogen Bond Partner Reorganization in the Coadsorption of a Monodendron and Pyridylethynyl Derivatives. Langmuir, 2011, 27, 1292-1297.	3.5	13
155	In Situ STM Evidence for the Adsorption Geometry of Three N-Heteroaromatic Thiols on Au(111). Langmuir, 2011, 27, 7614-7619.	3.5	20
156	Surface-Confined Conformers and Coassembly-Induced Conformer Resolution. Langmuir, 2011, 27, 9994-9999.	3.5	3
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