Johannes V Barth

List of Publications by Year
in descending order

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312 papers	23,494 citations	8181 76 h-index	9345 143 g-index
320 all docs	320 docs citations	320 times ranked	14057 citing authors

#	Article	IF	Citations
1	Abiotic Formation of an Amide Bond via Surfaceâ€Supported Direct Carboxylâ€“Amine Coupling. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
2	Self-assembly and photoinduced fabrication of conductive nanographene wires on boron nitride. Nature Communications, 2022, 13, 442.	12.8	4
3	Depositing Molecular Graphene Nanoribbons on Ag(111) by Electrospray Controlled Ion Beam Deposition: Selfâ€Assembly and Onâ€Surface Transformations. Angewandte Chemie - International Edition, 2022, 61, .	13.8	10
4	Depositing Molecular Graphene Nanoribbons on Ag(111) by Electrospray Controlled Ion Beam Deposition: Selfâ€Assembly and Onâ€Surface Transformations. Angewandte Chemie, 2022, 134, .	2.0	4
5	Engineering novel surface electronic states via complex supramolecular tessellations. Nanoscale, 2022, , .	5.6	4
6	Navigate Flying Molecular Elephants Safely to the Ground: Mass-Selective Soft Landing up to the Mega-Dalton Range by Electrospray Controlled Ion-Beam Deposition. Analytical Chemistry, 2022, 94, 7767-7778.	6.5	7
7	Interaction of cyclosporin A molecules with alkali and transition metal atoms on Cu(111). Chemical Communications, 2021, 57, 2923-2926.	4.1	2
8	Tunable Interface of Ruthenium Porphyrins and Silver. Journal of Physical Chemistry C, 2021, 125, 3215-3224.	3.1	14
9	Assembly and Manipulation of a Prototypical N-Heterocyclic Carbene with a Metalloporphyrin Pedestal on a Solid Surface. Journal of the American Chemical Society, 2021, 143, 4433-4439.	13.7	18
10	Atomistic investigation of surface characteristics and electronic features at high-purity FeSi(110) presenting interfacial metallicity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	5
11	Tailoring Ordered Mesoporous Titania Films via Introducing Germanium Nanocrystals for Enhanced Electron Transfer Photoanodes for Photovoltaic Applications. Advanced Functional Materials, 2021, 31, 2102105.	14.9	9
12	Conformational Control of Chemical Reactivity for Surfaceâ€Confined Ruâ€Porphyrins. Angewandte Chemie, 2021, 133, 16697-16703.	2.0	2
13	Conformational Control of Chemical Reactivity for Surfaceâ€Confined Ruâ€Porphyrins. Angewandte Chemie - International Edition, 2021, 60, 16561-16567.	13.8	12
14	Single Molecules in Strong Optical Fields: A Variable-Temperature Molecular Junction Spectroscopy Setup. Analytical Chemistry, 2021, 93, 9853-9859.	6.5	2
15	Surface-Mediated Ring-Opening and Porphyrin Deconstruction via Conformational Distortion. Journal of the American Chemical Society, 2021, 143, 15131-15138.	13.7	14
16	Actinide Coordination Chemistry on Surfaces: Synthesis, Manipulation, and Properties of Thorium Bis(porphyrinato) Complexes. Journal of the American Chemical Society, 2021, 143, 14581-14591.	13.7	9
17	Rotation in an Enantiospecific Selfâ€Assembled Array of Molecular Raffle Wheels. Angewandte Chemie - International Edition, 2021, 60, 26932-26938.	13.8	5
18	The Flexible On-Surface Self-Assembly of a Low-Symmetry Mabiq Ligand: An Unconventional Metal-Assisted Phase Transformation on Ag(111). Journal of Physical Chemistry C, 2021, 125, 23178-23191.	3.1	2

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19	Surface-confined formation of conjugated porphyrin-based nanostructures on Ag(111). Nanoscale, 2021, 13, 19884-19889.	5.6	4
20	Modular Assembly of Vibrationally and Electronically Coupled Rhenium Bipyridine Carbonyl Complexes on Silicon. Journal of the American Chemical Society, 2021, 143, 19505-19516.	13.7	4
21	Onâ€surface Synthesis of a Semiconducting 2D Metalâ€“Organic Framework Cu₃(C₆O₆) Exhibiting Dispersive Electronic Bands. Angewandte Chemie - International Edition, 2020, 59, 2669-2673.	13.8	42
22	Onâ€surface Synthesis of a Semiconducting 2D Metalâ€“Organic Framework Cu₃(C₆O₆) Exhibiting Dispersive Electronic Bands. Angewandte Chemie, 2020, 132, 2691-2695.	2.0	15
23	Layer-by-Layer Epitaxy of Porphyrinâ^'Ligand Fe(II)-Fe(III) Nanoarchitectures for Advanced Metalâ€“Organic Framework Growth. ACS Applied Nano Materials, 2020, 3, 11752-11759.	5.0	12
24	Stabilisation of tri-valent ions with a vacant coordination site at a corroleâ€“metal interface. Chemical Communications, 2020, 56, 11219-11222.	4.1	3
25	Boron Nitride Monolayers: Charge State Control of F₁₆CoPc on hâ€BN/Cu(111) (Adv.) Tj ETQq1 1 0.784314 rgBT /O	3.7	0
26	Charge State Control of F 16 CoPc on h â€BN/Cu(111). Advanced Materials Interfaces, 2020, 7, 2000080.	3.7	7
27	Polycyclic aromatic chains on metals and insulating layers by repetitive [3+2]Âcycloadditions. Nature Communications, 2020, 11, 1490.	12.8	23
28	Validation of the inverted adsorption structure for free-base tetraphenyl porphyrin on Cu(111). Chemical Communications, 2020, 56, 3681-3684.	4.1	11
29	Electronâ€“Phonon Coupling in Current-Driven Single-Molecule Junctions. Journal of the American Chemical Society, 2020, 142, 3384-3391.	13.7	20
30	Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. Angewandte Chemie, 2019, 131, 11407-11412.	2.0	0
31	Attosecond Dynamics of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi><mml:mi>p</mml:mi></mml:math> -Band Photoexcitation. Physical Review Letters, 2019, 123, 176801.	7.8	9
32	Snapshots of Dynamic Adaptation: Twoâ€Dimensional Molecular Architectonics with Linear Bisâ€Hydroxamic Acid Modules. Angewandte Chemie - International Edition, 2019, 58, 18948-18956.	13.8	10
33	Amphiphilic diblock copolymer-mediated structure control in nanoporous germanium-based thin films. Nanoscale, 2019, 11, 2048-2055.	5.6	10
34	Onâ€Surface Activation of Trimethylsilylâ€Terminated Alkynes on Coinage Metal Surfaces. ChemPhysChem, 2019, 20, 2382-2393.	2.1	10
35	Surfaceâ€Dependent Chemoselectivity in Câ^'C Coupling Reactions. Angewandte Chemie, 2019, 131, 8444-8449.	2.0	0
36	Inâ€Situ Growth of Gadolinium Phthalocyaninato Sandwich Complexes on the Ag(111) Surface. ChemPhysChem, 2019, 20, 2301-2304.	2.1	4

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37	Spatial decoupling of macrocyclic metalâ€“organic complexes from a metal support: a 4-fluorothiophenol self-assembled monolayer as a thermally removable spacer. Physical Chemistry Chemical Physics, 2019, 21, 10992-11003.	2.8	10
38	Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. Angewandte Chemie - International Edition, 2019, 58, 11285-11290.	13.8	3
39	Surfaceâ€Dependent Chemoselectivity in Câˆ’C Coupling Reactions. Angewandte Chemie - International Edition, 2019, 58, 8356-8361.	13.8	7
40	Synthesizing Highly Regular Single-Layer Alkynylâ€“Silver Networks at the Micrometer Scale via Gas-Mediated Surface Reaction. Journal of the American Chemical Society, 2019, 141, 5087-5091.	13.7	30
41	Local adsorption structure and bonding of porphine on Cu(111) before and after self-metalation. Journal of Chemical Physics, 2019, 150, 094702.	3.0	11
42	The Role of Kinetics versus Thermodynamics in Surface-Assisted Ullmann Coupling on Gold and Silver Surfaces. Journal of the American Chemical Society, 2019, 141, 4824-4832.	13.7	83
43	Frontispiz: Snapshots of Dynamic Adaptation: Twoâ€Dimensional Molecular Architectonics with Linear Bisâ€Hydroxamic Acid Modules. Angewandte Chemie, 2019, 131, .	2.0	0
44	Frontispiece: Snapshots of Dynamic Adaptation: Twoâ€Dimensional Molecular Architectonics with Linear Bisâ€Hydroxamic Acid Modules. Angewandte Chemie - International Edition, 2019, 58, .	13.8	0
45	Snapshots of Dynamic Adaptation: Twoâ€Dimensional Molecular Architectonics with Linear Bisâ€Hydroxamic Acid Modules. Angewandte Chemie, 2019, 131, 19124-19132.	2.0	5
46	Bottom-Up Fabrication of a Metal-Supported Oxoâ€“Metal Porphyrin. Journal of Physical Chemistry C, 2019, 123, 31011-31025.	3.1	12
47	Bisphenol A and Diethylstilbestrol on Cu(111): On-Surface Polymerization Initiated by Hydroxy-Directed Ortho Câ€“H Bond Activation. Journal of Physical Chemistry C, 2019, 123, 1354-1361.	3.1	6
48	Metalation of Porphyrins by Lanthanide Atoms at Interfaces: Direct Observation and Stimulation of Cerium Coordination to 2H-TPP/Ag(111). Journal of Physical Chemistry C, 2018, 122, 5083-5092.	3.1	17
49	Identifying Onâ€Surface Siteâ€Selective Chemical Conversions by Theoryâ€Aided NEXAFS Spectroscopy: The Case of Freeâ€Base Corroles on Ag(111). Chemistry - A European Journal, 2018, 24, 6787-6797.	3.3	8
50	Tuning the ease of formation of on-surface metal-adatom coordination polymers featuring diketones. Nanoscale, 2018, 10, 9561-9568.	5.6	17
51	Functionalized Graphdiyne Nanowires: Onâ€Surface Synthesis and Assessment of Band Structure, Flexibility, and Information Storage Potential. Small, 2018, 14, e1704321.	10.0	38
52	Adsorption Conformation and Lateral Registry of Cobalt Porphine on Cu(111). Journal of Physical Chemistry C, 2018, 122, 5452-5461.	3.1	14
53	Lanthanide-Directed Assembly of Interfacial Coordination Architecturesâ€“From Complex Networks to Functional Nanosystems. Accounts of Chemical Research, 2018, 51, 365-375.	15.6	54
54	Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. Nature Chemistry, 2018, 10, 296-304.	13.6	68

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55	Voltage-Driven Conformational Switching with Distinct Raman Signature in a Single-Molecule Junction. Journal of the American Chemical Society, 2018, 140, 4835-4840.	13.7	39
56	Device-Compatible Chiroptical Surfaces through Self-Assembly of Enantiopure Allenes. Langmuir, 2018, 34, 4548-4553.	3.5	18
57	Isomerism control of diethylstilbestrol by metal surface induced Oâ€“H cleavage. Chemical Communications, 2018, 54, 12495-12498.	4.1	11
58	Exploration of Interfacial Porphine Coupling Schemes and Hybrid Systems by Bondâ€Resolved Scanning Probe Microscopy. Angewandte Chemie, 2018, 130, 16262-16267.	2.0	5
59	Exploration of Interfacial Porphine Coupling Schemes and Hybrid Systems by Bondâ€Resolved Scanning Probe Microscopy. Angewandte Chemie - International Edition, 2018, 57, 16030-16035.	13.8	21
60	Assembly of Robust Holmium-Directed 2D Metalâ€“Organic Coordination Complexes and Networks on the Ag(100) Surface. ACS Nano, 2018, 12, 11552-11560.	14.6	13
61	Unraveling the Oxidation and Spin State of Mnâ€“Corrole through X-ray Spectroscopy and Quantum Chemical Analysis. Journal of Physical Chemistry Letters, 2018, 9, 6412-6420.	4.6	14
62	Hoâ€Mediated Alkyne Reactions at Low Temperatures on Ag(111). Chemistry - A European Journal, 2018, 24, 16126-16135.	3.3	9
63	Absolute timing of the photoelectric effect. Nature, 2018, 561, 374-377.	27.8	77
64	Bandgap Engineering of Graphene Nanoribbons by Control over Structural Distortion. Journal of the American Chemical Society, 2018, 140, 7803-7809.	13.7	68
65	The self-assembly and metal adatom coordination of a linear bis-tetrazole ligand on Ag(111). Chemical Communications, 2018, 54, 10072-10075.	4.1	8
66	Epitaxy-Induced Assembly and Enantiomeric Switching of an On-Surface Formed Dinuclear Organocobalt Complex. ACS Nano, 2017, 11, 1347-1359.	14.6	8
67	On-Surface Site-Selective Cyclization of Corrole Radicals. ACS Nano, 2017, 11, 3383-3391.	14.6	24
68	Preservation of electronic properties of double-decker complexes on metallic supports. Physical Chemistry Chemical Physics, 2017, 19, 8282-8287.	2.8	7
69	Oneâ€Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surfaceâ€Confined Supramolecular Assembly of Achiral Tectons. Angewandte Chemie - International Edition, 2017, 56, 7797-7802.	13.8	24
70	Oneâ€Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surfaceâ€Confined Supramolecular Assembly of Achiral Tectons. Angewandte Chemie, 2017, 129, 7905-7910.	2.0	6
71	Catalytic Hydrogenation and Hydrodeoxygenation of Furfural over Pt(111): A Model System for the Rational Design and Operation of Practical Biomass Conversion Catalysts. Journal of Physical Chemistry C, 2017, 121, 8490-8497.	3.1	66
72	X-ray Spectroscopy of Thin Film Free-Base Corroles: A Combined Theoretical and Experimental Characterization. Journal of Physical Chemistry C, 2017, 121, 2192-2200.	3.1	14

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73	Nanoscale Phase Engineering of Niobium Diselenide. Chemistry of Materials, 2017, 29, 9907-9914.	6.7	33
74	N-Heterocyclic carbenes on close-packed coinage metal surfaces: bis-carbene metal adatom bonding scheme of monolayer films on Au, Ag and Cu. Chemical Science, 2017, 8, 8301-8308.	7.4	87
75	Corrugation in the Weakly Interacting Hexagonal-BN/Cu(111) System: Structure Determination by Combining Noncontact Atomic Force Microscopy and X-ray Standing Waves. ACS Nano, 2017, 11, 9151-9161.	14.6	56
76	Terminal Alkyne Coupling on a Corrugated Noble Metal Surface: From Controlled Precursor Alignment to Selective Reactions. Chemistry - A European Journal, 2017, 23, 15588-15593.	3.3	19
77	Correction to â€œIn Vacuo Porphyrin Metalation on Ag(111) via Chemical Vapor Deposition of Ru3(CO)12: Mechanistic Insightsâ€• Journal of Physical Chemistry C, 2017, 121, 12503-12503.	3.1	1
78	Fusing tetrapyrroles to graphene edges by surface-assisted covalent coupling. Nature Chemistry, 2017, 9, 33-38.	13.6	103
79	Exploration of pyrazine-embedded antiaromatic polycyclic hydrocarbons generated by solution and on-surface azomethine ylide homocoupling. Nature Communications, 2017, 8, 1948.	12.8	88
80	Sub-cycle optical control of current in a semiconductor: from the multiphoton to the tunneling regime. Optica, 2016, 3, 1358.	9.3	59
81	Surfaceâ€Guided Formation of an Organocobalt Complex. Angewandte Chemie, 2016, 128, 5848-5853.	2.0	5
82	A Bifunctional Electrocatalyst for Oxygen Evolution and Oxygen Reduction Reactions in Water. Angewandte Chemie - International Edition, 2016, 55, 2350-2355.	13.8	124
83	Quasicrystallinity expressed in two-dimensional coordination networks. Nature Chemistry, 2016, 8, 657-662.	13.6	140
84	Tailoring Large Pores of Porphyrin Networks on Ag(111) by Metalâ€"Organic Coordination. Chemistry - A European Journal, 2016, 22, 15298-15306.	3.3	32
85	Supramolecular Spangling, Crocheting, and Knitting of Functionalized Pyrene Molecules on a Silver Surface. ACS Nano, 2016, 10, 7665-7674.	14.6	32
86	Formation of a thermally stable bilayer of coadsorbed intact and deprotonated thymine exploiting the surface corrugation of rutile TiO₂(110). Physical Chemistry Chemical Physics, 2016, 18, 20433-20442.	2.8	4
87	Toward interfacing organic semiconductors with ferromagnetic transition metal substrates: enhanced stability via carboxylate anchoring. Chemical Communications, 2016, 52, 9805-9808.	4.1	13
88	Direct quantitative identification of the â€œsurface trans-effectâ€• Chemical Science, 2016, 7, 5647-5656.	7.4	51
89	Comparative study of the interfaces of graphene and hexagonal boron nitride with silver. Physical Review B, 2016, 94, .	3.2	18
90	Direct Identification and Determination of Conformational Response in Adsorbed Individual Nonplanar Molecular Species Using Noncontact Atomic Force Microscopy. Nano Letters, 2016, 16, 7703-7709.	9.1	53

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91	Synthesis of Graphene Nanoribbons by Ambient-Pressure Chemical Vapor Deposition and Device Integration. Journal of the American Chemical Society, 2016, 138, 15488-15496.	13.7	129
92	Photoresponse of supramolecular self-assembled networks on grapheneâ€“diamond interfaces. Nature Communications, 2016, 7, 10700.	12.8	40
93	Iron phthalocyanine on Cu(111): Coverage-dependent assembly and symmetry breaking, temperature-induced homocoupling, and modification of the adsorbate-surface interaction by annealing. Journal of Chemical Physics, 2016, 144, 094702.	3.0	19
94	A Bifunctional Electrocatalyst for Oxygen Evolution and Oxygen Reduction Reactions in Water. Angewandte Chemie, 2016, 128, 2396-2401.	2.0	37
95	Intermolecular Hybridization Creating Nanopore Orbital in a Supramolecular Hydrocarbon Sheet. Nano Letters, 2016, 16, 4274-4281.	9.1	13
96	In Vacuo Porphyrin Metalation on Ag(111) via Chemical Vapor Deposition of Ru₃(CO)₁₂: Mechanistic Insights. Journal of Physical Chemistry C, 2016, 120, 8751-8758.	3.1	17
97	Surfaceâ€Guided Formation of an Organocobalt Complex. Angewandte Chemie - International Edition, 2016, 55, 5754-5759.	13.8	20
98	In vacuo interfacial tetrapyrrole metallation. Chemical Society Reviews, 2016, 45, 1629-1656.	38.1	97
99	Synthesis of Pyrene-Fused Pyrazaacenes on Metal Surfaces: Toward One-Dimensional Conjugated Nanostructures. ACS Nano, 2016, 10, 1033-1041.	14.6	60
100	On-surface reaction of tetraphenylporphyrins with Os3(CO)12 precursors and Os clusters: A scanning tunnelling microscopy investigation. Surface Science, 2016, 646, 26-30.	1.9	6
101	Dynamics of Spatially Confined Bisphenol A Trimers in a Unimolecular Network on Ag(111). Nano Letters, 2016, 16, 1884-1889.	9.1	21
102	Tetracene confinement in L-methionine gratings on the Ag(111) surface. Surface Science, 2016, 643, 87-90.	1.9	8
103	Tunable lanthanide-directed metallosupramolecular networks by exploiting coordinative flexibility through ligand stoichiometry. Chemical Communications, 2016, 52, 1618-1621.	4.1	29
104	Dynamics and thermal stability of surface-confined metalâ€“organic chains. Surface Science, 2016, 643, 91-97.	1.9	20
105	Nature of the bias-dependent symmetry reduction of iron phthalocyanine on Cu(111). Physical Review B, 2015, 92, .	3.2	22
106	Surfaceâ€Supported Robust 2D Lanthanideâ€Carboxylate Coordination Networks. Small, 2015, 11, 6358-6364.	10.0	43
107	Surfaceâ€Assisted Cyclodehydrogenation; Break the Symmetry, Enhance the Selectivity. Chemistry - A European Journal, 2015, 21, 12285-12290.	3.3	57
108	Synthesis, characterization, monolayer assembly and 2D lanthanide coordination of a linear terphenyl-di(propiolonitrile) linker on Ag(111). Beilstein Journal of Nanotechnology, 2015, 6, 327-335.	2.8	6

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109	Quantum confinement in self-assembled two-dimensional nanoporous honeycomb networks at close-packed metal surfaces. Journal of Chemical Physics, 2015, 142, 101931.	3.0	22
110	Controlling Coordination Reactions and Assembly on a Cu(111) Supported Boron Nitride Monolayer. Journal of the American Chemical Society, 2015, 137, 2420-2423.	13.7	52
111	Two-Dimensional Hierarchical Supramolecular Assembly of a Silole Derivative and Surface-Assisted Chemical Transformations. Journal of Physical Chemistry C, 2015, 119, 3857-3863.	3.1	7
112	Porphyrins at interfaces. Nature Chemistry, 2015, 7, 105-120.	13.6	556
113	A 2D Semiconductorâ€"Selfâ€Assembled Monolayer Photoswitchable Diode. Advanced Materials, 2015, 27, 1426-1431.	21.0	52
114	Direct observation of electron propagation and dielectric screening on the atomic length scale. Nature, 2015, 517, 342-346.	27.8	145
115	Scrutinizing individual CoTPP molecule adsorbed on coinage metal surfaces from the interplay of STM experiment and theory. Surface Science, 2015, 635, 108-114.	1.9	12
116	Visualization and thermodynamic encoding of single-molecule partition function projections. Nature Communications, 2015, 6, 6210.	12.8	23
117	Dual-Function Smart Electrolyte for Dye-Sensitized Solar Cells: 5-Mercaptotetrazoles as Redox Mediator and Corrosion Repressor. Journal of Physical Chemistry C, 2015, 119, 19613-19618.	3.1	15
118	Immobilisation of a molecular epoxidation catalyst on UiO-66 and -67: the effect of pore size on catalyst activity and recycling. Dalton Transactions, 2015, 44, 15976-15983.	3.3	38
119	On-Surface Synthesis of Carbon-Based Scaffolds and Nanomaterials Using Terminal Alkynes. Accounts of Chemical Research, 2015, 48, 2140-2150.	15.6	186
120	Immobilised molecular catalysts and the role of the supporting metal substrate. Chemical Communications, 2015, 51, 9483-9486.	4.1	29
121	Unusual Deprotonated Alkynyl Hydrogen Bonding in Metal-Supported Hydrocarbon Assembly. Journal of Physical Chemistry C, 2015, 119, 9669-9679.	3.1	39
122	Orthogonal Insertion of Lanthanide and Transitionâ€Metal Atoms in Metalâ€"Organic Networks on Surfaces. Angewandte Chemie - International Edition, 2015, 54, 6163-6167.	13.8	50
123	Two-Level Spatial Modulation of Vibronic Conductance in Conjugated Oligophenylenes on Boron Nitride. Nano Letters, 2015, 15, 2242-2248.	9.1	19
124	Restoring the Co Magnetic Moments at Interfacial Co-Porphyrin Arrays by Site-Selective Uptake of Iron. ACS Nano, 2015, 9, 3605-3616.	14.6	17
125	Polyphenylsilole multilayers â€" an insight from X-ray electron spectroscopy and density functional theory. Physical Chemistry Chemical Physics, 2015, 17, 31117-31124.	2.8	5
126	Two-dimensional soft supramolecular networks. Chemical Communications, 2015, 51, 17297-17300.	4.1	12

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127	Sub-Nanometer Width Armchair Graphene Nanoribbon Energy Gap Atlas. Journal of Physical Chemistry Letters, 2015, 6, 3228-3235.	4.6	13
128	Tuning the optical emission of MoS2 nanosheets using proximal photoswitchable azobenzene molecules. Applied Physics Letters, 2014, 105, .	3.3	32
129	Morphological self-assembly of enantiopure allenes for upstanding chiral architectures at interfaces. Chemical Communications, 2014, 50, 15022-15025.	4.1	11
130	Emergence of Photoswitchable States in a Grapheneâ€"Azobenzeneâ€"Au Platform. Nano Letters, 2014, 14, 6823-6827.	9.1	40
131	Self-Assembly and Chemical Modifications of Bisphenol A on Cu(111): Interplay Between Ordering and Thermally Activated Stepwise Deprotonation. ACS Nano, 2014, 8, 207-215.	14.6	31
132	Solid-state light-phase detector. Nature Photonics, 2014, 8, 214-218.	31.4	75
133	Temperature-dependent templated growth of porphine thin films on the (111) facets of copper and silver. Journal of Chemical Physics, 2014, 141, 144703.	3.0	29
134	Synthesis of Extended Graphdiyne Wires by Vicinal Surface Templating. Nano Letters, 2014, 14, 1891-1897.	9.1	165
135	Meta-Positioning of Carbonitrile Functional Groups Induces Interfacial Edge-On Phase of Oligophenyl Derivatives. Journal of Physical Chemistry C, 2014, 118, 2622-2633.	3.1	6
136	Control of Molecular Organization and Energy Level Alignment by an Electronically Nanopatterned Boron Nitride Template. ACS Nano, 2014, 8, 430-442.	14.6	75
137	Addendum: Optical-field-induced current in dielectrics. Nature, 2014, 507, 386-387.	27.8	11
138	Unraveling the Mechanism of the Covalent Coupling Between Terminal Alkynes on a Noble Metal. Journal of Physical Chemistry C, 2014, 118, 3181-3187.	3.1	73
139	Five-Vertex Lanthanide Coordination on Surfaces: A Route to Sophisticated Nanoarchitectures and Tessellations. Journal of Physical Chemistry C, 2014, 118, 12908-12915.	3.1	34
140	Topological Dynamics in Supramolecular Rotors. Nano Letters, 2014, 14, 4461-4468.	9.1	31
141	Photoinduced Câ€"C Reactions on Insulators toward Photolithography of Graphene Nanoarchitectures. Journal of the American Chemical Society, 2014, 136, 4651-4658.	13.7	45
142	Three-Dimensional Bicomponent Supramolecular Nanoporous Self-Assembly on a Hybrid All-Carbon Atomically Flat and Transparent Platform. Nano Letters, 2014, 14, 4486-4492.	9.1	20
143	Controlled Manipulation of Gadolinium-Coordinated Supramolecules by Low-Temperature Scanning Tunneling Microscopy. Nano Letters, 2014, 14, 1369-1373.	9.1	40
144	Surface-assisted Dehydrogenative Homocoupling of Porphine Molecules. Journal of the American Chemical Society, 2014, 136, 9346-9354.	13.7	140

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145	Towards the Absolute Timing of Photoemission from Condensed Matter Systems. , 2014, , .		0
146	2â€‰D Selfâ€Assembly and Catalytic Homoâ€coupling of the Terminal Alkyne 1,4â€Bis(3,5â€diethynylâ€phenyl)butadiyneâ€1,3 on Ag(111). ChemCatChem, 2013, 5, 3281-3288.	3.7	29
147	Probing ultrafast electron dynamics in condensed matter with attosecond photoemission. , 2013, , .		0
148	How Surface Bonding and Repulsive Interactions Cause Phase Transformations: Ordering of a Prototype Macrocyclic Compound on Ag(111). ACS Nano, 2013, 7, 3139-3149.	14.6	85
149	Optical-field-induced current in dielectrics. Nature, 2013, 493, 70-74.	27.8	592
150	Self-Terminating Protocol for an Interfacial Complexation Reaction in Vacuo by Metalâ€“Organic Chemical Vapor Deposition. ACS Nano, 2013, 7, 4520-4526.	14.6	41
151	Probing Nitrosyl Ligation of Surface-Confined Metalloporphyrins by Inelastic Electron Tunneling Spectroscopy. ACS Nano, 2013, 7, 5273-5281.	14.6	26
152	Competing Interactions in Surface Reticulation with a Prochiral Dicarbonitrile Linker. Journal of Physical Chemistry C, 2013, 117, 12858-12863.	3.1	22
153	Formation of Fe Cluster Superlattice in a Metal-Organic Quantum-Box Network. Physical Review Letters, 2013, 110, 086102.	7.8	69
154	Controlled Interaction of Surface Quantum-Well Electronic States. Nano Letters, 2013, 13, 6130-6135.	9.1	42
155	Steering On-Surface Self-Assembly of High-Quality Hydrocarbon Networks with Terminal Alkynes. Journal of Physical Chemistry C, 2013, 117, 3987-3995.	3.1	40
156	Assessment of Scanning Tunneling Spectroscopy Modes Inspecting Electron Confinement in Surface-Confined Supramolecular Networks. Scientific Reports, 2013, 3, 1454.	3.3	34
157	Five-vertex Archimedean surface tessellation by lanthanide-directed molecular self-assembly. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6678-6681.	7.1	123
158	Investigating the molecule-substrate interaction of prototypic tetrapyrrole compounds: Adsorption and self-metalation of porphine on Cu(111). Journal of Chemical Physics, 2013, 138, 154710.	3.0	64
159	Supramolecular Assembly of Interfacial Nanoporous Networks with Simultaneous Expression of Metalâ€“Organic and Organicâ€Bonding Motifs. Chemistry - A European Journal, 2013, 19, 14143-14150.	3.3	55
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