

# Johannes V Barth

## List of Publications by Year in descending order

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312  
papers

23,494  
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8159

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9311

143  
g-index

320  
all docs

320  
docs citations

320  
times ranked

14057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering atomic and molecular nanostructures at surfaces. <i>Nature</i> , 2005, 437, 671-679.	13.7	1,988
2	Scanning tunneling microscopy observations on the reconstructed Au(111) surface: Atomic structure, long-range superstructure, rotational domains, and surface defects. <i>Physical Review B</i> , 1990, 42, 9307-9318.	1.1	1,218
3	Molecular Architectonic on Metal Surfaces. <i>Annual Review of Physical Chemistry</i> , 2007, 58, 375-407.	4.8	967
4	Steering molecular organization and host-guest interactions using two-dimensional nanoporous coordination systems. <i>Nature Materials</i> , 2004, 3, 229-233.	13.3	653
5	Optical-field-induced current in dielectrics. <i>Nature</i> , 2013, 493, 70-74.	13.7	592
6	Porphyrins at interfaces. <i>Nature Chemistry</i> , 2015, 7, 105-120.	6.6	556
7	Transport of adsorbates at metal surfaces: from thermal migration to hot precursors. <i>Surface Science Reports</i> , 2000, 40, 75-149.	3.8	427
8	Building Supramolecular Nanostructures at Surfaces by Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1230-1234.	7.2	365
9	Homo-coupling of terminal alkynes on a noble metal surface. <i>Nature Communications</i> , 2012, 3, 1286.	5.8	350
10	Metal-Organic Honeycomb Nanomeshes with Tunable Cavity Size. <i>Nano Letters</i> , 2007, 7, 3813-3817.	4.5	297
11	Modular Assembly of Two-Dimensional Metal-Organic Coordination Networks at a Metal Surface. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2670-2673.	7.2	265
12	Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. <i>Nature Materials</i> , 2009, 8, 189-193.	13.3	262
13	Supramolecular Assemblies of Trimesic Acid on a Cu(100) Surface. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6907-6912.	1.2	257
14	A surface-anchored molecular four-level conductance switch based on single proton transfer. <i>Nature Nanotechnology</i> , 2012, 7, 41-46.	15.6	255
15	Fresh perspectives for surface coordination chemistry. <i>Surface Science</i> , 2009, 603, 1533-1541.	0.8	244
16	Surface-Assisted Assembly of 2D Metal-Organic Networks That Exhibit Unusual Threefold Coordination Symmetry. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 710-713.	7.2	219
17	Stereochemical Effects in Supramolecular Self-Assembly at Surfaces: 1-D versus 2-D Enantiomorphic Ordering for PVBA and PEBA on Ag(111). <i>Journal of the American Chemical Society</i> , 2002, 124, 7991-8000.	6.6	210
18	Hierarchical Assembly of Two-Dimensional Homochiral Nanocavity Arrays. <i>Journal of the American Chemical Society</i> , 2003, 125, 10725-10728.	6.6	210

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19	The Surface Trans Effect: Influence of Axial Ligands on the Surface Chemical Bonds of Adsorbed Metalloporphyrins. <i>Journal of the American Chemical Society</i> , 2011, 133, 6206-6222.	6.6	206
20	Nucleation and growth of supported clusters at defect sites: Pd/MgO(001). <i>Physical Review B</i> , 2000, 61, 11105-11108.	1.1	203
21	Real-Time Single-Molecule Imaging of the Formation and Dynamics of Coordination Compounds. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4779-4783.	7.2	202
22	Controlled Metalation of Self-Assembled Porphyrin Nanoarrays in Two Dimensions. <i>ChemPhysChem</i> , 2007, 8, 250-254.	1.0	195
23	Mesoscopic Correlation of Supramolecular Chirality in One-Dimensional Hydrogen-Bonded Assemblies. <i>Physical Review Letters</i> , 2001, 87, 096101.	2.9	194
24	Towards Surface-Supported Supramolecular Architectures: Tailored Coordination Assembly of 1,4-Benzenedicarboxylate and Fe on Cu(100). <i>Chemistry - A European Journal</i> , 2004, 10, 1913-1919.	1.7	189
25	Boron Nitride on Cu(111): An Electronically Corrugated Monolayer. <i>Nano Letters</i> , 2012, 12, 5821-5828.	4.5	187
26	On-Surface Synthesis of Carbon-Based Scaffolds and Nanomaterials Using Terminal Alkynes. <i>Accounts of Chemical Research</i> , 2015, 48, 2140-2150.	7.6	186
27	Chiral KagomÃ© Lattice from Simple Ditopic Molecular Bricks. <i>Journal of the American Chemical Society</i> , 2008, 130, 11778-11782.	6.6	184
28	Complex pathways in dissociative adsorption of oxygen on platinum. <i>Nature</i> , 1997, 390, 495-497.	13.7	174
29	STM Study of Terephthalic Acid Self-Assembly on Au(111):Ã Hydrogen-Bonded Sheets on an Inhomogeneous Substrateâ€. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14585-14590.	1.2	173
30	Synthesis of Extended Graphdiyne Wires by Vicinal Surface Templating. <i>Nano Letters</i> , 2014, 14, 1891-1897.	4.5	165
31	Zwitterionic self-assembly of L-methionine nanogratings on the Ag(111) surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5279-5284.	3.3	163
32	Direct Observation of Chiral Metal-Organic Complexes Assembled on a Cu(100) Surface. <i>Journal of the American Chemical Society</i> , 2002, 124, 14000-14001.	6.6	156
33	Deprotonation-Driven Phase Transformations in Terephthalic Acid Self-Assembly on Cu(100). <i>Journal of Physical Chemistry B</i> , 2004, 108, 19392-19397.	1.2	156
34	Self-Assembly of Periodic Bicomponent Wires and Ribbons. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1814-1818.	7.2	155
35	Self-metalation of 2H-tetraphenylporphyrin on Cu(111): An x-ray spectroscopy study. <i>Journal of Chemical Physics</i> , 2012, 136, 014705.	1.2	154
36	Direct observation of electron propagation and dielectric screening on the atomic length scale. <i>Nature</i> , 2015, 517, 342-346.	13.7	145

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37	Self-assembly and conformation of tetrapyrrolyl-porphyrin molecules on Ag(111). <i>Journal of Chemical Physics</i> , 2006, 124, 194708.	1.2	144
38	Surface-assisted Dehydrogenative Homocoupling of Porphine Molecules. <i>Journal of the American Chemical Society</i> , 2014, 136, 9346-9354.	6.6	140
39	Quasicrystallinity expressed in two-dimensional coordination networks. <i>Nature Chemistry</i> , 2016, 8, 657-662.	6.6	140
40	Supramolecular architectures and nanostructures at metal surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 76, 645-652.	1.1	139
41	High-Quality 2D Metal-Organic Coordination Network Providing Giant Cavities within Mesoscale Domains. <i>Journal of the American Chemical Society</i> , 2009, 131, 3881-3883.	6.6	134
42	Self-Assembly of Flexible One-Dimensional Coordination Polymers on Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2010, 132, 6783-6790.	6.6	133
43	Chiral Phase Transition in Two-Dimensional Supramolecular Assemblies of Prochiral Molecules. <i>Journal of the American Chemical Society</i> , 2005, 127, 10101-10106.	6.6	131
44	Supramolecular gratings for tuneable confinement of electrons on metal surfaces. <i>Nature Nanotechnology</i> , 2007, 2, 99-103.	15.6	129
45	Synthesis of Graphene Nanoribbons by Ambient-Pressure Chemical Vapor Deposition and Device Integration. <i>Journal of the American Chemical Society</i> , 2016, 138, 15488-15496.	6.6	129
46	Site-specific electronic and geometric interface structure of Co-tetraphenyl-porphyrin layers on Ag(111). <i>Physical Review B</i> , 2010, 81, .	1.1	124
47	A Bifunctional Electrocatalyst for Oxygen Evolution and Oxygen Reduction Reactions in Water. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2350-2355.	7.2	124
48	Five-vertex Archimedean surface tessellation by lanthanide-directed molecular self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6678-6681.	3.3	123
49	Conformational Adaptation and Selective Adatom Capturing of Tetrapyrrolyl-porphyrin Molecules on a Copper (111) Surface. <i>Journal of the American Chemical Society</i> , 2007, 129, 11279-11285.	6.6	122
50	Attosecond Time-Resolved Photoemission from Core and Valence States of Magnesium. <i>Physical Review Letters</i> , 2012, 109, 087401.	2.9	119
51	Ionic Hydrogen Bonds Controlling Two-Dimensional Supramolecular Systems at a Metal Surface. <i>Chemistry - A European Journal</i> , 2007, 13, 3900-3906.	1.7	117
52	Oxygen-induced restructuring of Ag(111). <i>Surface Science</i> , 1993, 284, 14-22.	0.8	115
53	Two-Dimensional Adatom Gas Bestowing Dynamic Heterogeneity on Surfaces. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1488-1491.	7.2	112
54	Programming Supramolecular Assembly and Chirality in Two-Dimensional Dicarboxylate Networks on a Cu(100) Surface. <i>Nano Letters</i> , 2005, 5, 901-904.	4.5	109

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55	Surface-Confined Supramolecular Coordination Chemistry. <i>Topics in Current Chemistry</i> , 2008, 287, 1-44.	4.0	109
56	Random two-dimensional string networks based on divergent coordination assembly. <i>Nature Chemistry</i> , 2010, 2, 131-137.	6.6	106
57	Photocurrent of a single photosynthetic protein. <i>Nature Nanotechnology</i> , 2012, 7, 673-676.	15.6	106
58	Fusing tetrapyrroles to graphene edges by surface-assisted covalent coupling. <i>Nature Chemistry</i> , 2017, 9, 33-38.	6.6	103
59	In vacuo interfacial tetrapyrrole metallation. <i>Chemical Society Reviews</i> , 2016, 45, 1629-1656.	18.7	97
60	Visualizing the Frontier Orbitals of a Conformationally Adapted Metalloporphyrin. <i>ChemPhysChem</i> , 2008, 9, 89-94.	1.0	96
61	Modular assembly of low-dimensional coordination architectures on metal surfaces. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 184002.	0.7	96
62	Modular Assembly of Two-Dimensional Metal-Organic Coordination Networks at a Metal Surface. <i>Angewandte Chemie</i> , 2003, 115, 2774-2777.	1.6	95
63	Surface-Assisted Assembly of Discrete Porphyrin-Based Cyclic Supramolecules. <i>Nano Letters</i> , 2010, 10, 122-128.	4.5	95
64	Density Functional Theory Analysis of Carboxylate-Bridged Diiron Units in Two-Dimensional Metal-Organic Grids. <i>Journal of the American Chemical Society</i> , 2006, 128, 5634-5635.	6.6	93
65	Cis-dicarbonyl binding at cobalt and iron porphyrins with saddle-shape conformation. <i>Nature Chemistry</i> , 2011, 3, 114-119.	6.6	93
66	Assembly and Manipulation of Rotatable Cerium Porphyrinato Sandwich Complexes on a Surface. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3872-3877.	7.2	91
67	Dynamics of Surface Migration in the Weak Corrugation Regime. <i>Physical Review Letters</i> , 2000, 84, 1732-1735.	2.9	90
68	Temperature dependence of conformation, chemical state, and metal-directed assembly of tetrapyrrolyl-porphyrin on Cu(111). <i>Journal of Chemical Physics</i> , 2008, 129, 214702.	1.2	90
69	Direct observation of surface diffusion of large organic molecules at metal surfaces: PVBA on Pd(110). <i>Journal of Chemical Physics</i> , 1999, 110, 5351-5354.	1.2	89
70	Exploration of pyrazine-embedded antiaromatic polycyclic hydrocarbons generated by solution and on-surface azomethine ylide homocoupling. <i>Nature Communications</i> , 2017, 8, 1948.	5.8	88
71	<i>N</i> -Heterocyclic carbenes on close-packed coinage metal surfaces: bis-carbene metal adatom bonding scheme of monolayer films on Au, Ag and Cu. <i>Chemical Science</i> , 2017, 8, 8301-8308.	3.7	87
72	Surface-Template Assembly of Two-Dimensional Metal-Organic Coordination Networks. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23472-23477.	1.2	86

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73	How Surface Bonding and Repulsive Interactions Cause Phase Transformations: Ordering of a Prototype Macrocyclic Compound on Ag(111). <i>ACS Nano</i> , 2013, 7, 3139-3149.	7.3	85
74	Rotational and constitutional dynamics of caged supramolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21332-21336.	3.3	83
75	The Role of Kinetics versus Thermodynamics in Surface-Assisted Ullmann Coupling on Gold and Silver Surfaces. <i>Journal of the American Chemical Society</i> , 2019, 141, 4824-4832.	6.6	83
76	Interaction of Cerium Atoms with Surface-Anchored Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3453-3455.	1.5	81
77	Dichotomous Array of Chiral Quantum Corrals by a Self-Assembled Nanoporous KagomÃ© Network. <i>Nano Letters</i> , 2009, 9, 3509-3514.	4.5	78
78	Absolute timing of the photoelectric effect. <i>Nature</i> , 2018, 561, 374-377.	13.7	77
79	Mesoscopic Metallosupramolecular Texturing by Hierarchic Assembly. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7294-7297.	7.2	75
80	<sc>l</sc>-Cysteine on Ag(111): A Combined STM and X-ray Spectroscopy Study of Anchorage and Deprotonation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20356-20362.	1.5	75
81	Solid-state light-phase detector. <i>Nature Photonics</i> , 2014, 8, 214-218.	15.6	75
82	Control of Molecular Organization and Energy Level Alignment by an Electronically Nanopatterned Boron Nitride Template. <i>ACS Nano</i> , 2014, 8, 430-442.	7.3	75
83	Monitoring Two-Dimensional Coordination Reactions:Ã Directed Assembly of CoÃ Terephthalate Nanosystems on Au(111). <i>Journal of Physical Chemistry B</i> , 2006, 110, 5627-5632.	1.2	74
84	Mobility and bonding transition of C60 on Pd(110). <i>Physical Review B</i> , 2001, 64, .	1.1	73
85	Unraveling the Mechanism of the Covalent Coupling Between Terminal Alkynes on a Noble Metal. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3181-3187.	1.5	73
86	Hierarchic Self-Assembly of Nanoporous Chiral Networks with Conformationally Flexible Porphyrins. <i>ACS Nano</i> , 2010, 4, 4936-4942.	7.3	72
87	Tunable Quantum Dot Arrays Formed from Self-Assembled Metal-Organic Networks. <i>Physical Review Letters</i> , 2011, 106, 026802.	2.9	71
88	Formation of Fe Cluster Superlattice in a Metal-Organic Quantum-Box Network. <i>Physical Review Letters</i> , 2013, 110, 086102.	2.9	69
89	Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. <i>Nature Chemistry</i> , 2018, 10, 296-304.	6.6	68
90	Bandgap Engineering of Graphene Nanoribbons by Control over Structural Distortion. <i>Journal of the American Chemical Society</i> , 2018, 140, 7803-7809.	6.6	68

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91	Mechanism of the K-induced reconstruction of Cu(110). <i>Surface Science</i> , 1991, 247, L229-L234.	0.8	66
92	Coexistence of one- and two-dimensional supramolecular assemblies of terephthalic acid on Pd(111) due to self-limiting deprotonation. <i>Journal of Chemical Physics</i> , 2006, 125, 184710.	1.2	66
93	Self-Assembly of Nanoporous Chiral Networks with Varying Symmetry from Sexiphenyl-dicarbonitrile on Ag(111). <i>Journal of Physical Chemistry C</i> , 2009, 113, 17851-17859.	1.5	66
94	Catalytic Hydrogenation and Hydrodeoxygenation of Furfural over Pt(111): A Model System for the Rational Design and Operation of Practical Biomass Conversion Catalysts. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8490-8497.	1.5	66
95	Non-covalent binding of fullerenes and biomolecules at surface-supported metallosupramolecular receptors. <i>Chemical Communications</i> , 2006, , 2153.	2.2	65
96	Dimerization Boosts One-Dimensional Mobility of Conformationally Adapted Porphyrins on a Hexagonal Surface Atomic Lattice. <i>Nano Letters</i> , 2008, 8, 4608-4613.	4.5	65
97	Two-Dimensional Short-Range Disordered Crystalline Networks from Flexible Molecular Modules. <i>ACS Nano</i> , 2012, 6, 4258-4265.	7.3	65
98	An STM investigation of the Cu(110)â€c(6 Å– 2)O system. <i>Surface Science</i> , 1990, 240, 151-162.	0.8	64
99	Microfacetting of Pt(210) induced by oxygen adsorption and by catalytic CO oxidation. <i>Surface Science</i> , 1992, 271, 159-169.	0.8	64
100	Investigating the molecule-substrate interaction of prototypic tetrapyrrole compounds: Adsorption and self-metalation of porphine on Cu(111). <i>Journal of Chemical Physics</i> , 2013, 138, 154710.	1.2	64
101	Binding and ordering of C60 on Pd(110): Investigations at the local and mesoscopic scale. <i>Journal of Chemical Physics</i> , 2001, 115, 9001-9009.	1.2	63
102	Discriminative Response of Surface-Confined Metalloporphyrin Molecules to Carbon and Nitrogen Monoxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 18141-18146.	6.6	63
103	Phase transitions and domain-wall structures in the K/Cu(110) system: Scanning-tunneling-microscopy observations and Monte Carlo simulations. <i>Physical Review B</i> , 1991, 44, 13689-13702.	1.1	61
104	Nucleation Kinetics on Inhomogeneous Substrates: Al/Au(111). <i>Physical Review Letters</i> , 1999, 82, 1732-1735.	2.9	60
105	Synthesis of Pyrene-Fused Pyrazaacenes on Metal Surfaces: Toward One-Dimensional Conjugated Nanostructures. <i>ACS Nano</i> , 2016, 10, 1033-1041.	7.3	60
106	Sub-cycle optical control of current in a semiconductor: from the multiphoton to the tunneling regime. <i>Optica</i> , 2016, 3, 1358.	4.8	59
107	Surfaceâ€Confined Selfâ€Assembly of Diâ€carbonitrile Polyphenyls. <i>Advanced Functional Materials</i> , 2011, 21, 1230-1240.	7.8	58
108	Mesoscopic structural transformations of the Au(111) surface induced by alkali metal adsorption. <i>Surface Science</i> , 1994, 302, L319-L324.	0.8	57

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109	Surface-Assisted Cyclodehydrogenation; Break the Symmetry, Enhance the Selectivity. Chemistry - A European Journal, 2015, 21, 12285-12290.	1.7	57
110	Scanning tunneling microscopy and x-ray photoelectron diffraction investigation of C60 films on Cu(100). Physical Review B, 2003, 67, .	1.1	56
111	Manipulating 2D metal-organic networks via ligand control. Chemical Communications, 2005, , 1681-1683.	2.2	56
112	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.	7.3	56
113	Adsorption, surface restructuring and alloy formation in the system. Surface Science, 1995, 341, 62-91.	0.8	55
114	Chemical Transformations Drive Complex Self-Assembly of Uracil on Close-Packed Coinage Metal Surfaces. ACS Nano, 2012, 6, 2477-2486.	7.3	55
115	Supramolecular Assembly of Interfacial Nanoporous Networks with Simultaneous Expression of Metal-Organic and Organic Bonding Motifs. Chemistry - A European Journal, 2013, 19, 14143-14150.	1.7	55
116	Lanthanide-Directed Assembly of Interfacial Coordination Architectures-From Complex Networks to Functional Nanosystems. Accounts of Chemical Research, 2018, 51, 365-375.	7.6	54
117	Design of Extended Surface-Supported Chiral Metal-Organic Arrays Comprising Mononuclear Iron Centers. Langmuir, 2004, 20, 4799-4801.	1.6	53
118	Nature of the attractive interaction between proton acceptors and organic ring systems. Physical Chemistry Chemical Physics, 2012, 14, 15995.	1.3	53
119	Direct Identification and Determination of Conformational Response in Adsorbed Individual Nonplanar Molecular Species Using Noncontact Atomic Force Microscopy. Nano Letters, 2016, 16, 7703-7709.	4.5	53
120	Self-aligning atomic strings in surface-supported biomolecular gratings. Physical Review B, 2008, 78, .	1.1	52
121	Controlling Coordination Reactions and Assembly on a Cu(111) Supported Boron Nitride Monolayer. Journal of the American Chemical Society, 2015, 137, 2420-2423.	6.6	52
122	A 2D Semiconductor-Self-Assembled Monolayer Photoswitchable Diode. Advanced Materials, 2015, 27, 1426-1431.	11.1	52
123	Direct quantitative identification of the surface trans-effect. Chemical Science, 2016, 7, 5647-5656.	3.7	51
124	Island Shape Transition in Heteroepitaxial Metal Growth on Square Lattices. Physical Review Letters, 1998, 80, 2642-2645.	2.9	50
125	<sc>L</sc>-Tyrosine on Ag(111): Universality of the Amino Acid 2D Zwitterionic Bonding Scheme?. ACS Nano, 2010, 4, 1218-1226.	7.3	50
126	Orthogonal Insertion of Lanthanide and Transition Metal Atoms in Metal-Organic Networks on Surfaces. Angewandte Chemie - International Edition, 2015, 54, 6163-6167.	7.2	50



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127	Direct observation of mobility and interactions of oxygen molecules chemisorbed on the Ag(110) surface. <i>Physical Review B</i> , 1997, 55, 12902-12905.	1.1	48
128	Asymmetry Induction by Cooperative Intermolecular Hydrogen Bonds in Surface-Anchored Layers of Achiral Molecules. <i>ChemPhysChem</i> , 2006, 7, 2197-2204.	1.0	46
129	Ab-initio calculations and STM observations on tetrapyrridyl and Fe(II)-tetrapyrridyl-porphyrin molecules on Ag(111). <i>Surface Science</i> , 2007, 601, 2409-2414.	0.8	46
130	Selective Supramolecular Fullerene-Porphyrin Interactions and Switching in Surface-Confined C <sub>60</sub> -Ce(TPP) <sub>2</sub> Dyads. <i>Nano Letters</i> , 2012, 12, 4077-4083.	4.5	46
131	Using metal-organic templates to steer the growth of Fe and Co nanoclusters. <i>Applied Physics Letters</i> , 2008, 93, 243102.	1.5	45
132	Photoinduced C-C Reactions on Insulators toward Photolithography of Graphene Nanoarchitectures. <i>Journal of the American Chemical Society</i> , 2014, 136, 4651-4658.	6.6	45
133	Surface-Confined Metal-Organic Nanostructures from Co-Directed Assembly of Linear Terphenyl-dicarbonitrile Linkers on Ag(111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 15602-15606.	1.5	44
134	Structure and dynamics of the Cu(001) surface investigated by medium-energy ion scattering. <i>Physical Review B</i> , 1995, 52, 2117-2124.	1.1	43
135	NO-Induced Reorganization of Porphyrin Arrays. <i>ACS Nano</i> , 2009, 3, 1789-1794.	7.3	43
136	Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. <i>Small</i> , 2015, 11, 6358-6364.	5.2	43
137	Controlled Interaction of Surface Quantum-Well Electronic States. <i>Nano Letters</i> , 2013, 13, 6130-6135.	4.5	42
138	On-Surface Synthesis of a Semiconducting 2D Metal-Organic Framework Cu <sub>3</sub> (C <sub>6</sub> O <sub>6</sub> ) Exhibiting Dispersive Electronic Bands. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2669-2673.	7.2	42
139	Conformational Adaptation in Supramolecular Assembly on Surfaces. <i>ChemPhysChem</i> , 2007, 8, 1782-1786.	1.0	41
140	Self-Assembly of L-Methionine on Cu(111): Steering Chiral Organization by Substrate Reactivity and Thermal Activation. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12101-12108.	1.5	41
141	Self-Terminating Protocol for an Interfacial Complexation Reaction <i>in Vacuo</i> by Metal-Organic Chemical Vapor Deposition. <i>ACS Nano</i> , 2013, 7, 4520-4526.	7.3	41
142	Mesoscopic chiral reshaping of the Ag(110) surface induced by the organic molecule PVBA. <i>Journal of Chemical Physics</i> , 2004, 120, 11367-11370.	1.2	40
143	Steering On-Surface Self-Assembly of High-Quality Hydrocarbon Networks with Terminal Alkynes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3987-3995.	1.5	40
144	Emergence of Photoswitchable States in a Graphene-Azobenzene-Au Platform. <i>Nano Letters</i> , 2014, 14, 6823-6827.	4.5	40

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145	Controlled Manipulation of Gadolinium-Coordinated Supramolecules by Low-Temperature Scanning Tunneling Microscopy. <i>Nano Letters</i> , 2014, 14, 1369-1373.	4.5	40
146	Photoresponse of supramolecular self-assembled networks on graphene–diamond interfaces. <i>Nature Communications</i> , 2016, 7, 10700.	5.8	40
147	Scanning-tunneling-microscope imaging of clean and alkali-metal-covered Cu(110) and Au(110) surfaces. <i>Physical Review B</i> , 1993, 48, 1738-1749.	1.1	39
148	Unusual Deprotonated Alkynyl Hydrogen Bonding in Metal-Supported Hydrocarbon Assembly. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9669-9679.	1.5	39
149	Voltage-Driven Conformational Switching with Distinct Raman Signature in a Single-Molecule Junction. <i>Journal of the American Chemical Society</i> , 2018, 140, 4835-4840.	6.6	39
150	Hot precursors in the adsorption of molecular oxygen on Ag(110). <i>Chemical Physics Letters</i> , 1997, 270, 152-156.	1.2	38
151	Immobilisation of a molecular epoxidation catalyst on UiO-66 and -67: the effect of pore size on catalyst activity and recycling. <i>Dalton Transactions</i> , 2015, 44, 15976-15983.	1.6	38
152	Functionalized Graphdiyne Nanowires: On-Surface Synthesis and Assessment of Band Structure, Flexibility, and Information Storage Potential. <i>Small</i> , 2018, 14, e1704321.	5.2	38
153	Growth and surface alloying of Al on Au(111) at room temperature. <i>Surface Science</i> , 1997, 389, 366-374.	0.8	37
154	A Bifunctional Electrocatalyst for Oxygen Evolution and Oxygen Reduction Reactions in Water. <i>Angewandte Chemie</i> , 2016, 128, 2396-2401.	1.6	37
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