

# Johannes V Barth

## List of Publications by Citations

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135  
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320  
ext. papers

22,454  
ext. citations

9.6  
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6.82  
L-index

#	Paper	IF	Citations
299	Engineering atomic and molecular nanostructures at surfaces. <i>Nature</i> , <b>2005</b> , 437, 671-9	50.4	1852
298	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> , <b>1990</b> , 42, 9307-9318	3.3	1119
297	Molecular architectonic on metal surfaces. <i>Annual Review of Physical Chemistry</i> , <b>2007</b> , 58, 375-407	15.7	895
296	Steering molecular organization and host-guest interactions using two-dimensional nanoporous coordination systems. <i>Nature Materials</i> , <b>2004</b> , 3, 229-33	27	630
295	Porphyrins at interfaces. <i>Nature Chemistry</i> , <b>2015</b> , 7, 105-20	17.6	472
294	Optical-field-induced current in dielectrics. <i>Nature</i> , <b>2013</b> , 493, 70-4	50.4	432
293	Transport of adsorbates at metal surfaces: from thermal migration to hot precursors. <i>Surface Science Reports</i> , <b>2000</b> , 40, 75-149	12.9	385
292	Building Supramolecular Nanostructures at Surfaces by Hydrogen Bonding Fruitful discussions with A. de Vita, B. M $\ddot{u}$ ller, and H. Brune are acknowledged. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 1230-1234	16.4	347
291	Homo-coupling of terminal alkynes on a noble metal surface. <i>Nature Communications</i> , <b>2012</b> , 3, 1286	17.4	309
290	Metal-organic honeycomb nanomeshes with tunable cavity size. <i>Nano Letters</i> , <b>2007</b> , 7, 3813-7	11.5	281
289	Modular assembly of two-dimensional metal-organic coordination networks at a metal surface. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 2670-3	16.4	249
288	Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. <i>Nature Materials</i> , <b>2009</b> , 8, 189-93	27	242
287	Supramolecular Assemblies of Trimesic Acid on a Cu(100) Surface. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 6907-6912	3.4	240
286	Fresh perspectives for surface coordination chemistry. <i>Surface Science</i> , <b>2009</b> , 603, 1533-1541	1.8	227
285	A surface-anchored molecular four-level conductance switch based on single proton transfer. <i>Nature Nanotechnology</i> , <b>2011</b> , 7, 41-6	28.7	221
284	Surface-assisted assembly of 2D metal-organic networks that exhibit unusual threefold coordination symmetry. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 710-3	16.4	208
283	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> , <b>2002</b> , 124, 7991-8000	16.4	199

282	Hierarchical assembly of two-dimensional homochiral nanocavity arrays. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 10725-8	16.4	196
281	Nucleation and growth of supported clusters at defect sites: Pd/MgO(001). <i>Physical Review B</i> , <b>2000</b> , 61, 11105-11108	3.3	195
280	Real-time single-molecule imaging of the formation and dynamics of coordination compounds. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 4779-83	16.4	188
279	Controlled metalation of self-assembled porphyrin nanoarrays in two dimensions. <i>ChemPhysChem</i> , <b>2007</b> , 8, 250-4	3.2	187
278	Mesoscopic correlation of supramolecular chirality in one-dimensional hydrogen-bonded assemblies. <i>Physical Review Letters</i> , <b>2001</b> , 87, 096101	7.4	182
277	The surface trans effect: influence of axial ligands on the surface chemical bonds of adsorbed metalloporphyrins. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6206-22	16.4	178
276	Towards surface-supported supramolecular architectures: tailored coordination assembly of 1,4-benzenedicarboxylate and Fe on Cu(100). <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 1913-9	4.8	178
275	Boron nitride on Cu(111): an electronically corrugated monolayer. <i>Nano Letters</i> , <b>2012</b> , 12, 5821-8	11.5	168
274	Chiral kagom lattice from simple ditopic molecular bricks. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 11778-82	16.4	168
273	STM Study of Terephthalic Acid Self-Assembly on Au(111): Hydrogen-Bonded Sheets on an Inhomogeneous Substrate. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 14585-14590	3.4	168
272	On-surface synthesis of carbon-based scaffolds and nanomaterials using terminal alkynes. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 2140-50	24.3	161
271	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> , <b>2007</b> , 104, 5279-84	11.5	156
270	Complex pathways in dissociative adsorption of oxygen on platinum. <i>Nature</i> , <b>1997</b> , 390, 495-497	50.4	151
269	Self-assembly of periodic bicomponent wires and ribbons. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1814-8	16.4	150
268	Synthesis of extended graphdiyne wires by vicinal surface templating. <i>Nano Letters</i> , <b>2014</b> , 14, 1891-7	11.5	149
267	Deprotonation-Driven Phase Transformations in Terephthalic Acid Self-Assembly on Cu(100). <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 19392-19397	3.4	148
266	Direct observation of chiral metal-organic complexes assembled on a Cu100 surface. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 14000-1	16.4	142
265	Self-metalation of 2H-tetraphenylporphyrin on Cu(111): an x-ray spectroscopy study. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 014705	3.9	138

264	Supramolecular architectures and nanostructures at metal surfaces. <i>Applied Physics A: Materials Science and Processing</i> , <b>2003</b> , 76, 645-652	2.6	130
263	High-quality 2D metal-organic coordination network providing giant cavities within mesoscale domains. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3881-3	16.4	129
262	Self-assembly and conformation of tetrapyrridyl-porphyrin molecules on Ag(111). <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 194708	3.9	129
261	Self-assembly of flexible one-dimensional coordination polymers on metal surfaces. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6783-90	16.4	126
260	Chiral phase transition in two-dimensional supramolecular assemblies of prochiral molecules. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 10101-6	16.4	124
259	Surface-assisted dehydrogenative homocoupling of porphine molecules. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9346-54	16.4	122
258	Supramolecular gratings for tuneable confinement of electrons on metal surfaces. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 99-103	28.7	121
257	Site-specific electronic and geometric interface structure of Co-tetraphenyl-porphyrin layers on Ag(111). <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	119
256	Direct observation of electron propagation and dielectric screening on the atomic length scale. <i>Nature</i> , <b>2015</b> , 517, 342-6	50.4	116
255	Conformational adaptation and selective adatom capturing of tetrapyrridyl-porphyrin molecules on a copper (111) surface. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11279-85	16.4	112
254	Quasicrystallinity expressed in two-dimensional coordination networks. <i>Nature Chemistry</i> , <b>2016</b> , 8, 657-627.6	7.6	112
253	Ionic hydrogen bonds controlling two-dimensional supramolecular systems at a metal surface. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3900-6	4.8	108
252	Programming supramolecular assembly and chirality in two-dimensional dicarboxylate networks on a Cu(100) surface. <i>Nano Letters</i> , <b>2005</b> , 5, 901-4	11.5	106
251	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> , <b>2013</b> , 110, 6678-81	11.5	104
250	Two-dimensional adatom gas bestowing dynamic heterogeneity on surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 1488-91	16.4	104
249	Oxygen-induced restructuring of Ag(111). <i>Surface Science</i> , <b>1993</b> , 284, 14-22	1.8	103
248	A Bifunctional Electrocatalyst for Oxygen Evolution and Oxygen Reduction Reactions in Water. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2350-5	16.4	102
247	Random two-dimensional string networks based on divergent coordination assembly. <i>Nature Chemistry</i> , <b>2010</b> , 2, 131-7	17.6	101

246	Attosecond time-resolved photoemission from core and valence states of magnesium. <i>Physical Review Letters</i> , <b>2012</b> , 109, 087401	7.4	101
245	Synthesis of Graphene Nanoribbons by Ambient-Pressure Chemical Vapor Deposition and Device Integration. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15488-15496	16.4	99
244	Photocurrent of a single photosynthetic protein. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 673-6	28.7	99
243	Surface-confined supramolecular coordination chemistry. <i>Topics in Current Chemistry</i> , <b>2009</b> , 287, 1-44		95
242	Visualizing the frontier orbitals of a conformationally adapted metalloporphyrin. <i>ChemPhysChem</i> , <b>2008</b> , 9, 89-94	3.2	92
241	Surface-assisted assembly of discrete porphyrin-based cyclic supramolecules. <i>Nano Letters</i> , <b>2010</b> , 10, 122-8	11.5	90
240	Modular Assembly of Two-Dimensional Metal-Organic Coordination Networks at a Metal Surface. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 2774-2777	3.6	90
239	Modular assembly of low-dimensional coordination architectures on metal surfaces. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 184002	1.8	88
238	Cis-dicarbonyl binding at cobalt and iron porphyrins with saddle-shape conformation. <i>Nature Chemistry</i> , <b>2011</b> , 3, 114-9	17.6	86
237	Assembly and manipulation of rotatable cerium porphyrinato sandwich complexes on a surface. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3872-7	16.4	86
236	Density functional theory analysis of carboxylate-bridged diiron units in two-dimensional metal-organic grids. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5634-5	16.4	86
235	Dynamics of surface migration in the weak corrugation regime. <i>Physical Review Letters</i> , <b>2000</b> , 84, 1732-5	7.4	86
234	Fusing tetrapyrroles to graphene edges by surface-assisted covalent coupling. <i>Nature Chemistry</i> , <b>2017</b> , 9, 33-38	17.6	85
233	Direct observation of surface diffusion of large organic molecules at metal surfaces: PVBA on Pd(110). <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 5351-5354	3.9	83
232	Temperature dependence of conformation, chemical state, and metal-directed assembly of tetrapyrrolyl-porphyrin on Cu(111). <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 214702	3.9	82
231	How surface bonding and repulsive interactions cause phase transformations: ordering of a prototype macrocyclic compound on Ag(111). <i>ACS Nano</i> , <b>2013</b> , 7, 3139-49	16.7	81
230	In vacuo interfacial tetrapyrrole metallation. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 1629-56	58.5	80
229	Surface-template assembly of two-dimensional metal-organic coordination networks. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 23472-7	3.4	80

228	Interaction of Cerium Atoms with Surface-Anchored Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3453-3455	3.8	78
227	Rotational and constitutional dynamics of caged supramolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 21332-6	11.5	76
226	Mesoscopic metallosupramolecular texturing by hierarchic assembly. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7294-7	16.4	73
225	Mobility and bonding transition of C60 on Pd(110). <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	73
224	Monitoring two-dimensional coordination reactions: directed assembly of co-terephthalate nanosystems on Au(111). <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 5627-32	3.4	72
223	Hierarchic self-assembly of nanoporous chiral networks with conformationally flexible porphyrins. <i>ACS Nano</i> , <b>2010</b> , 4, 4936-42	16.7	69
222	Dichotomous array of chiral quantum corrals by a self-assembled nanoporous kagomí network. <i>Nano Letters</i> , <b>2009</b> , 9, 3509-14	11.5	69
221	Control of molecular organization and energy level alignment by an electronically nanopatterned boron nitride template. <i>ACS Nano</i> , <b>2014</b> , 8, 430-42	16.7	68
220	Unraveling the Mechanism of the Covalent Coupling Between Terminal Alkynes on a Noble Metal. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 3181-3187	3.8	65
219	Mechanism of the K-induced reconstruction of Cu(110). <i>Surface Science</i> , <b>1991</b> , 247, L229-L234	1.8	65
218	Formation of Fe cluster superlattice in a metal-organic quantum-box network. <i>Physical Review Letters</i> , <b>2013</b> , 110, 086102	7.4	64
217	Self-Assembly of Nanoporous Chiral Networks with Varying Symmetry from Sexiphenyl-dicarbonitrile on Ag(111). <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 17851-17859	3.8	63
216	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> , <b>2006</b> , 125, 184710	3.9	63
215	Non-covalent binding of fullerenes and biomolecules at surface-supported metallosupramolecular receptors. <i>Chemical Communications</i> , <b>2006</b> , 2153-5	5.8	63
214	Investigating the molecule-substrate interaction of prototypic tetrapyrrole compounds: adsorption and self-metalation of porphine on Cu(111). <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 154710	3.9	62
213	Tunable quantum dot arrays formed from self-assembled metal-organic networks. <i>Physical Review Letters</i> , <b>2011</b> , 106, 026802	7.4	62
212	L-Cysteine on Ag(111): A Combined STM and X-ray Spectroscopy Study of Anchorage and Deprotonation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 20356-20362	3.8	61
211	Microfacetting of Pt(210) induced by oxygen adsorption and by catalytic CO oxidation. <i>Surface Science</i> , <b>1992</b> , 271, 159-169	1.8	60

210	An STM investigation of the Cu(110)(6 × 6)O system. <i>Surface Science</i> , <b>1990</b> , 240, 151-162	1.8	60
209	Dimerization boosts one-dimensional mobility of conformationally adapted porphyrins on a hexagonal surface atomic lattice. <i>Nano Letters</i> , <b>2008</b> , 8, 4608-13	11.5	58
208	Binding and ordering of C60 on Pd(110): Investigations at the local and mesoscopic scale. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 9001-9009	3.9	58
207	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> , <b>1991</b> , 44, 13689-13702	3.3	58
206	Two-dimensional short-range disordered crystalline networks from flexible molecular modules. <i>ACS Nano</i> , <b>2012</b> , 6, 4258-65	16.7	57
205	Nucleation Kinetics on Inhomogeneous Substrates: Al/Au(111). <i>Physical Review Letters</i> , <b>1999</b> , 82, 1732-1735	3.5	57
204	Solid-state light-phase detector. <i>Nature Photonics</i> , <b>2014</b> , 8, 214-218	33.9	56
203	-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> , <b>2017</b> , 8, 8301-8308	9.4	55
202	Exploration of pyrazine-embedded antiaromatic polycyclic hydrocarbons generated by solution and on-surface azomethine ylide homocoupling. <i>Nature Communications</i> , <b>2017</b> , 8, 1948	17.4	55
201	Chemical transformations drive complex self-assembly of uracil on close-packed coinage metal surfaces. <i>ACS Nano</i> , <b>2012</b> , 6, 2477-86	16.7	55
200	Discriminative response of surface-confined metalloporphyrin molecules to carbon and nitrogen monoxide. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 18141-6	16.4	55
199	Mesoscopic structural transformations of the Au(111) surface induced by alkali metal adsorption. <i>Surface Science</i> , <b>1994</b> , 302, L319-L324	1.8	55
198	Surface-Confined Self-Assembly of Di-carbonitrile Polyphenyls. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 1230-1240	15.6	54
197	Manipulating 2D metal-organic networks via ligand control. <i>Chemical Communications</i> , <b>2005</b> , 1681-3	5.8	54
196	Supramolecular assembly of interfacial nanoporous networks with simultaneous expression of metal-organic and organic-bonding motifs. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14143-50	4.8	53
195	Scanning tunneling microscopy and x-ray photoelectron diffraction investigation of C60 films on Cu(100). <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	53
194	Design of extended surface-supported chiral metal-organic arrays comprising mononuclear iron centers. <i>Langmuir</i> , <b>2004</b> , 20, 4799-801	4	50
193	Island Shape Transition in Heteroepitaxial Metal Growth on Square Lattices. <i>Physical Review Letters</i> , <b>1998</b> , 80, 2642-2645	7.4	50



192	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> , <b>2017</b> , 121, 8490-8497	3.8	49
191	Self-aligning atomic strings in surface-supported biomolecular gratings. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	49
190	Adsorption, surface restructuring and alloy formation in the system. <i>Surface Science</i> , <b>1995</b> , 341, 62-91	1.8	49
189	The Role of Kinetics versus Thermodynamics in Surface-Assisted Ullmann Coupling on Gold and Silver Surfaces. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4824-4832	16.4	49
188	Controlling coordination reactions and assembly on a Cu(111) supported boron nitride monolayer. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2420-3	16.4	48
187	Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. <i>Nature Chemistry</i> , <b>2018</b> , 10, 296-304	17.6	47
186	Nature of the attractive interaction between proton acceptors and organic ring systems. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 15995-6001	3.6	47
185	Bandgap Engineering of Graphene Nanoribbons by Control over Structural Distortion. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7803-7809	16.4	47
184	Orthogonal insertion of lanthanide and transition-metal atoms in metal-organic networks on surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6163-7	16.4	46
183	Direct Identification and Determination of Conformational Response in Adsorbed Individual Nonplanar Molecular Species Using Noncontact Atomic Force Microscopy. <i>Nano Letters</i> , <b>2016</b> , 16, 7703-7709	11.5	46
182	Synthesis of Pyrene-Fused Pyrazaacenes on Metal Surfaces: Toward One-Dimensional Conjugated Nanostructures. <i>ACS Nano</i> , <b>2016</b> , 10, 1033-41	16.7	46
181	L-tyrosine on Ag(111): universality of the amino acid 2D zwitterionic bonding scheme?. <i>ACS Nano</i> , <b>2010</b> , 4, 1218-26	16.7	46
180	Surface-Assisted Cyclodehydrogenation; Break the Symmetry, Enhance the Selectivity. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12285-90	4.8	45
179	Asymmetry induction by cooperative intermolecular hydrogen bonds in surface-anchored layers of achiral molecules. <i>ChemPhysChem</i> , <b>2006</b> , 7, 2197-204	3.2	45
178	A 2D semiconductor-self-assembled monolayer photoswitchable diode. <i>Advanced Materials</i> , <b>2015</b> , 27, 1426-31	24	44
177	Ab-initio calculations and STM observations on tetrapyridyl and Fe(II)-tetrapyridyl-porphyrin molecules on Ag(111). <i>Surface Science</i> , <b>2007</b> , 601, 2409-2414	1.8	44
176	Lanthanide-Directed Assembly of Interfacial Coordination Architectures-From Complex Networks to Functional Nanosystems. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 365-375	24.3	43
175	Direct observation of mobility and interactions of oxygen molecules chemisorbed on the Ag(110) surface. <i>Physical Review B</i> , <b>1997</b> , 55, 12902-12905	3.3	43



174	Using metal-organic templates to steer the growth of Fe and Co nanoclusters. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 243102	3.4	43
173	Absolute timing of the photoelectric effect. <i>Nature</i> , <b>2018</b> , 561, 374-377	50.4	43
172	Selective supramolecular fullerene-porphyrin interactions and switching in surface-confined C60-Ce(TPP)2 dyads. <i>Nano Letters</i> , <b>2012</b> , 12, 4077-83	11.5	42
171	Surface-Confined Metal-Organic Nanostructures from Co-Directed Assembly of Linear Terphenyl-dicarbonitrile Linkers on Ag(111). <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 15602-15606	3.8	42
170	Structure and dynamics of the Cu(001) surface investigated by medium-energy ion scattering. <i>Physical Review B</i> , <b>1995</b> , 52, 2117-2124	3.3	42
169	Conformational adaptation in supramolecular assembly on surfaces. <i>ChemPhysChem</i> , <b>2007</b> , 8, 1782-6	3.2	41
168	Corrugation in the Weakly Interacting Hexagonal-BN/Cu(111) System: Structure Determination by Combining Noncontact Atomic Force Microscopy and X-ray Standing Waves. <i>ACS Nano</i> , <b>2017</b> , 11, 9151-9161	16.7	40
167	NO-Induced Reorganization of Porphyrin Arrays. <i>ACS Nano</i> , <b>2009</b> , 3, 1789-94	16.7	40
166	Photoinduced C-C reactions on insulators toward photolithography of graphene nanoarchitectures. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4651-8	16.4	39
165	Sub-cycle optical control of current in a semiconductor: from the multiphoton to the tunneling regime. <i>Optica</i> , <b>2016</b> , 3, 1358	8.6	39
164	Steering On-Surface Self-Assembly of High-Quality Hydrocarbon Networks with Terminal Alkynes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 3987-3995	3.8	38
163	Self-Assembly of l-Methionine on Cu(111): Steering Chiral Organization by Substrate Reactivity and Thermal Activation. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 12101-12108	3.8	38
162	Mesoscopic chiral reshaping of the Ag(110) surface induced by the organic molecule PVBA. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 11367-70	3.9	38
161	Real-Time Single-Molecule Imaging of the Formation and Dynamics of Coordination Compounds. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 4973-4977	3.6	38
160	Direct quantitative identification of the "surface -effect". <i>Chemical Science</i> , <b>2016</b> , 7, 5647-5656	9.4	37
159	Controlled manipulation of gadolinium-coordinated supramolecules by low-temperature scanning tunneling microscopy. <i>Nano Letters</i> , <b>2014</b> , 14, 1369-73	11.5	37
158	Self-terminating protocol for an interfacial complexation reaction in vacuo by metal-organic chemical vapor deposition. <i>ACS Nano</i> , <b>2013</b> , 7, 4520-6	16.7	37
157	Scanning-tunneling-microscope imaging of clean and alkali-metal-covered Cu(110) and Au(110) surfaces. <i>Physical Review B</i> , <b>1993</b> , 48, 1738-1749	3.3	37

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12	Conformational Control of Chemical Reactivity for Surface-Confined Ru-Porphyrins. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16561-16567	16.4	1
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10	Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11285-11290	16.4	0
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