

Johannes V Barth

List of Publications by Year in Descending Order

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

299
papers

21,043
citations

74
h-index

135
g-index

320
ext. papers

22,454
ext. citations

9.6
avg, IF

6.82
L-index

#	Paper	IF	Citations
299	Self-assembly and photoinduced fabrication of conductive nanographene wires on boron nitride.. <i>Nature Communications</i> , 2022 , 13, 442	17.4	0
298	Modular Assembly of Vibrationally and Electronically Coupled Rhenium Bipyridine Carbonyl Complexes on Silicon. <i>Journal of the American Chemical Society</i> , 2021 , 143, 19505-19516	16.4	1
297	The Flexible On-Surface Self-Assembly of a Low-Symmetry Mabiq Ligand: An Unconventional Metal-Assisted Phase Transformation on Ag(111). <i>Journal of Physical Chemistry C</i> , 2021 , 125, 23178-23191	3.8	1
296	Assembly and Manipulation of a Prototypical N-Heterocyclic Carbene with a Metalloporphyrin Pedestal on a Solid Surface. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4433-4439	16.4	7
295	Tailoring Ordered Mesoporous Titania Films via Introducing Germanium Nanocrystals for Enhanced Electron Transfer Photoanodes for Photovoltaic Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2102105	15.6	1
294	Conformational Control of Chemical Reactivity for Surface-Confined Ru-Porphyrins. <i>Angewandte Chemie</i> , 2021 , 133, 16697-16703	3.6	0
293	Conformational Control of Chemical Reactivity for Surface-Confined Ru-Porphyrins. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16561-16567	16.4	1
292	Single Molecules in Strong Optical Fields: A Variable-Temperature Molecular Junction Spectroscopy Setup. <i>Analytical Chemistry</i> , 2021 , 93, 9853-9859	7.8	0
291	Interaction of cyclosporin A molecules with alkali and transition metal atoms on Cu(111). <i>Chemical Communications</i> , 2021 , 57, 2923-2926	5.8	
290	Tunable Interface of Ruthenium Porphyrins and Silver. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3215-3224	3.84	6
289	Surface-Mediated Ring-Opening and Porphyrin Deconstruction via Conformational Distortion. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15131-15138	16.4	5
288	Actinide Coordination Chemistry on Surfaces: Synthesis, Manipulation, and Properties of Thorium Bis(porphyrinato) Complexes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14581-14591	16.4	0
287	Rotation in an Enantiospecific Self-Assembled Array of Molecular Raffle Wheels. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	2
286	Charge State Control of F16CoPc on h-BN/Cu(111). <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000080	4.6	5
285	Polycyclic aromatic chains on metals and insulating layers by repetitive [3+2] cycloadditions. <i>Nature Communications</i> , 2020 , 11, 1490	17.4	15
284	Validation of the inverted adsorption structure for free-base tetraphenyl porphyrin on Cu(111). <i>Chemical Communications</i> , 2020 , 56, 3681-3684	5.8	7
283	Electron-Phonon Coupling in Current-Driven Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3384-3391	16.4	9

282	On-surface Synthesis of a Semiconducting 2D Metal-Organic Framework Cu(CO) Exhibiting Dispersive Electronic Bands. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2669-2673	16.4	27
281	On-surface Synthesis of a Semiconducting 2D Metal-Organic Framework Cu ₃ (C ₆ O ₆) Exhibiting Dispersive Electronic Bands. <i>Angewandte Chemie</i> , 2020 , 132, 2691-2695	3.6	8
280	Layer-by-Layer Epitaxy of Porphyrin-Ligand Fe(II)-Fe(III) Nanoarchitectures for Advanced Metal-Organic Framework Growth. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11752-11759	5.6	5
279	Stabilisation of tri-valent ions with a vacant coordination site at a corrole-metal interface. <i>Chemical Communications</i> , 2020 , 56, 11219-11222	5.8	1
278	Boron Nitride Monolayers: Charge State Control of F16CoPc on h-BN/Cu(111) (Adv. Mater. Interfaces 15/2020). <i>Advanced Materials Interfaces</i> , 2020 , 7, 2070083	4.6	
277	Amphiphilic diblock copolymer-mediated structure control in nanoporous germanium-based thin films. <i>Nanoscale</i> , 2019 , 11, 2048-2055	7.7	7
276	On-Surface Activation of Trimethylsilyl-Terminated Alkynes on Coinage Metal Surfaces. <i>ChemPhysChem</i> , 2019 , 20, 2382-2393	3.2	5
275	Surface-Dependent Chemoselectivity in C-C Coupling Reactions. <i>Angewandte Chemie</i> , 2019 , 131, 8444	3.6	
274	In-Situ Growth of Gadolinium Phthalocyaninato Sandwich Complexes on the Ag(111) Surface. <i>ChemPhysChem</i> , 2019 , 20, 2301-2304	3.2	3
273	Spatial decoupling of macrocyclic metal-organic complexes from a metal support: a 4-fluorothiophenol self-assembled monolayer as a thermally removable spacer. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 10992-11003	3.6	8
272	Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11285-11290	16.4	0
271	Surface-Dependent Chemoselectivity in C-C Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8356-8361	16.4	3
270	Synthesizing Highly Regular Single-Layer Alkynyl-Silver Networks at the Micrometer Scale via Gas-Mediated Surface Reaction. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5087-5091	16.4	20
269	Local adsorption structure and bonding of porphine on Cu(111) before and after self-metalation. <i>Journal of Chemical Physics</i> , 2019 , 150, 094702	3.9	8
268	Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. <i>Angewandte Chemie</i> , 2019 , 131, 11407	3.6	
267	Attosecond Dynamics of sp-Band Photoexcitation. <i>Physical Review Letters</i> , 2019 , 123, 176801	7.4	4
266	Snapshots of Dynamic Adaptation: Two-Dimensional Molecular Architectonics with Linear Bis-Hydroxamic Acid Modules. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18948-18956	16.4	5
265	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	16.4	49

264	Snapshots of Dynamic Adaptation: Two-Dimensional Molecular Architectonics with Linear Bis-Hydroxamic Acid Modules. <i>Angewandte Chemie</i> , 2019 , 131, 19124-19132	3.6	2
263	Bottom-Up Fabrication of a Metal-Supported OxoMetal Porphyrin. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 31011-31025	3.8	6
262	Bisphenol A and Diethylstilbestrol on Cu(111): On-Surface Polymerization Initiated by Hydroxy-Directed Ortho C-H Bond Activation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1354-1361	3.8	4
261	Metalation of Porphyrins by Lanthanide Atoms at Interfaces: Direct Observation and Stimulation of Cerium Coordination to 2H-TPP/Ag(111). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5083-5092	3.8	14
260	Identifying On-Surface Site-Selective Chemical Conversions by Theory-Aided NEXAFS Spectroscopy: The Case of Free-Base Corroles on Ag(111). <i>Chemistry - A European Journal</i> , 2018 , 24, 6787-6797	4.8	7
259	Tuning the ease of formation of on-surface metal-atom coordination polymers featuring diketones. <i>Nanoscale</i> , 2018 , 10, 9561-9568	7.7	11
258	Functionalized Graphdiyne Nanowires: On-Surface Synthesis and Assessment of Band Structure, Flexibility, and Information Storage Potential. <i>Small</i> , 2018 , 14, e1704321	11	31
257	Adsorption Conformation and Lateral Registry of Cobalt Porphine on Cu(111). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5452-5461	3.8	12
256	Lanthanide-Directed Assembly of Interfacial Coordination Architectures-From Complex Networks to Functional Nanosystems. <i>Accounts of Chemical Research</i> , 2018 , 51, 365-375	24.3	43
255	Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. <i>Nature Chemistry</i> , 2018 , 10, 296-304	17.6	47
254	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	16.4	29
253	Device-Compatible Chiroptical Surfaces through Self-Assembly of Enantiopure Allenes. <i>Langmuir</i> , 2018 , 34, 4548-4553	4	13
252	The self-assembly and metal atom coordination of a linear bis-tetrazole ligand on Ag(111). <i>Chemical Communications</i> , 2018 , 54, 10072-10075	5.8	5
251	Isomerism control of diethylstilbestrol by metal surface induced O-H cleavage. <i>Chemical Communications</i> , 2018 , 54, 12495-12498	5.8	10
250	Exploration of Interfacial Porphine Coupling Schemes and Hybrid Systems by Bond-Resolved Scanning Probe Microscopy. <i>Angewandte Chemie</i> , 2018 , 130, 16262-16267	3.6	1
249	Exploration of Interfacial Porphine Coupling Schemes and Hybrid Systems by Bond-Resolved Scanning Probe Microscopy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16030-16035	16.4	13
248	Assembly of Robust Holmium-Directed 2D Metal-Organic Coordination Complexes and Networks on the Ag(100) Surface. <i>ACS Nano</i> , 2018 , 12, 11552-11560	16.7	9
247	Unraveling the Oxidation and Spin State of Mn-Corrole through X-ray Spectroscopy and Quantum Chemical Analysis. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 6412-6420	6.4	9

246	Ho-Mediated Alkyne Reactions at Low Temperatures on Ag(111). <i>Chemistry - A European Journal</i> , 2018 , 24, 16126-16135	4.8	8
245	Absolute timing of the photoelectric effect. <i>Nature</i> , 2018 , 561, 374-377	50.4	43
244	Bandgap Engineering of Graphene Nanoribbons by Control over Structural Distortion. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7803-7809	16.4	47
243	Epitaxy-Induced Assembly and Enantiomeric Switching of an On-Surface Formed Dinuclear Organocobalt Complex. <i>ACS Nano</i> , 2017 , 11, 1347-1359	16.7	7
242	On-Surface Site-Selective Cyclization of Corrole Radicals. <i>ACS Nano</i> , 2017 , 11, 3383-3391	16.7	20
241	Preservation of electronic properties of double-decker complexes on metallic supports. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8282-8287	3.6	3
240	One-Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surface-Confined Supramolecular Assembly of Achiral Tectons. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7797-7802	16.4	19
239	One-Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surface-Confined Supramolecular Assembly of Achiral Tectons. <i>Angewandte Chemie</i> , 2017 , 129, 7905-7910	3.6	6
238	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	3.8	49
237	X-ray Spectroscopy of Thin Film Free-Base Corroles: A Combined Theoretical and Experimental Characterization. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2192-2200	3.8	12
236	Nanoscale Phase Engineering of Niobium Diselenide. <i>Chemistry of Materials</i> , 2017 , 29, 9907-9914	9.6	22
235	-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	9.4	55
234	Exploration of pyrazine-embedded antiaromatic polycyclic hydrocarbons generated by solution and on-surface azomethine ylide homocoupling. <i>Nature Communications</i> , 2017 , 8, 1948	17.4	55
233	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> , 2017 , 11, 9151-9161	16.7	40
232	Terminal Alkyne Coupling on a Corrugated Noble Metal Surface: From Controlled Precursor Alignment to Selective Reactions. <i>Chemistry - A European Journal</i> , 2017 , 23, 15588-15593	4.8	18
231	Fusing tetrapyrroles to graphene edges by surface-assisted covalent coupling. <i>Nature Chemistry</i> , 2017 , 9, 33-38	17.6	85
230	Toward interfacing organic semiconductors with ferromagnetic transition metal substrates: enhanced stability via carboxylate anchoring. <i>Chemical Communications</i> , 2016 , 52, 9805-8	5.8	11
229	Direct quantitative identification of the "surface -effect". <i>Chemical Science</i> , 2016 , 7, 5647-5656	9.4	37

228	Comparative study of the interfaces of graphene and hexagonal boron nitride with silver. <i>Physical Review B</i> , 2016 , 94,	3.3	13
227	Direct Identification and Determination of Conformational Response in Adsorbed Individual Nonplanar Molecular Species Using Noncontact Atomic Force Microscopy. <i>Nano Letters</i> , 2016 , 16, 7703-7709	11.5	46
226	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	16.4	99
225	Photoresponse of supramolecular self-assembled networks on graphene-diamond interfaces. <i>Nature Communications</i> , 2016 , 7, 10700	17.4	32
224	Iron phthalocyanine on Cu(111): Coverage-dependent assembly and symmetry breaking, temperature-induced homocoupling, and modification of the adsorbate-surface interaction by annealing. <i>Journal of Chemical Physics</i> , 2016 , 144, 094702	3.9	15
223	A Bifunctional Electrocatalyst for Oxygen Evolution and Oxygen Reduction Reactions in Water. <i>Angewandte Chemie</i> , 2016 , 128, 2396-2401	3.6	25
222	Intermolecular Hybridization Creating Nanopore Orbital in a Supramolecular Hydrocarbon Sheet. <i>Nano Letters</i> , 2016 , 16, 4274-81	11.5	11
221	In Vacuo Porphyrin Metalation on Ag(111) via Chemical Vapor Deposition of Ru ₃ (CO) ₁₂ : Mechanistic Insights. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 8751-8758	3.8	11
220	Surface-Guided Formation of an Organocobalt Complex. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5754-9	16.4	18
219	In vacuo interfacial tetrapyrrole metallation. <i>Chemical Society Reviews</i> , 2016 , 45, 1629-56	58.5	80
218	Synthesis of Pyrene-Fused Pyrazaacenes on Metal Surfaces: Toward One-Dimensional Conjugated Nanostructures. <i>ACS Nano</i> , 2016 , 10, 1033-41	16.7	46
217	On-surface reaction of tetraphenylporphyrins with Os ₃ (CO) ₁₂ precursors and Os clusters: A scanning tunnelling microscopy investigation. <i>Surface Science</i> , 2016 , 646, 26-30	1.8	4
216	Dynamics of Spatially Confined Bisphenol A Trimers in a Unimolecular Network on Ag(111). <i>Nano Letters</i> , 2016 , 16, 1884-9	11.5	20
215	Tetracene confinement in L-methionine gratings on the Ag(111) surface. <i>Surface Science</i> , 2016 , 643, 87-90	9.8	6
214	Tunable lanthanide-directed metallosupramolecular networks by exploiting coordinative flexibility through ligand stoichiometry. <i>Chemical Communications</i> , 2016 , 52, 1618-21	5.8	23
213	Dynamics and thermal stability of surface-confined metalorganic chains. <i>Surface Science</i> , 2016 , 643, 91-97	1.8	17
212	Sub-cycle optical control of current in a semiconductor: from the multiphoton to the tunneling regime. <i>Optica</i> , 2016 , 3, 1358	8.6	39
211	Surface-Guided Formation of an Organocobalt Complex. <i>Angewandte Chemie</i> , 2016 , 128, 5848-5853	3.6	5

210	A Bifunctional Electrocatalyst for Oxygen Evolution and Oxygen Reduction Reactions in Water. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2350-5	16.4	102
209	Quasicrystallinity expressed in two-dimensional coordination networks. <i>Nature Chemistry</i> , 2016 , 8, 657-627.6		112
208	Tailoring Large Pores of Porphyrin Networks on Ag(111) by Metal-Organic Coordination. <i>Chemistry - A European Journal</i> , 2016 , 22, 15298-15306	4.8	27
207	Supramolecular Spangling, Crocheting, and Knitting of Functionalized Pyrene Molecules on a Silver Surface. <i>ACS Nano</i> , 2016 , 10, 7665-74	16.7	28
206	Formation of a thermally stable bilayer of coadsorbed intact and deprotonated thymine exploiting the surface corrugation of rutile TiO ₂ (110). <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 20433-42	3.6	4
205	Visualization and thermodynamic encoding of single-molecule partition function projections. <i>Nature Communications</i> , 2015 , 6, 6210	17.4	20
204	Dual-Function Smart Electrolyte for Dye-Sensitized Solar Cells: 5-Mercaptotetrazoles as Redox Mediator and Corrosion Repressor. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 19613-19618	3.8	13
203	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, 15976-83	4.3	30
202	On-surface synthesis of carbon-based scaffolds and nanomaterials using terminal alkynes. <i>Accounts of Chemical Research</i> , 2015 , 48, 2140-50	24.3	161
201	Immobilised molecular catalysts and the role of the supporting metal substrate. <i>Chemical Communications</i> , 2015 , 51, 9483-6	5.8	24
200	Unusual Deprotonated Alkynyl Hydrogen Bonding in Metal-Supported Hydrocarbon Assembly. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9669-9679	3.8	32
199	Orthogonal insertion of lanthanide and transition-metal atoms in metal-organic networks on surfaces. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6163-7	16.4	46
198	Two-level spatial modulation of vibronic conductance in conjugated oligophenylenes on boron nitride. <i>Nano Letters</i> , 2015 , 15, 2242-8	11.5	19
197	Restoring the Co magnetic moments at interfacial Co-porphyrin arrays by site-selective uptake of iron. <i>ACS Nano</i> , 2015 , 9, 3605-16	16.7	17
196	Polyphenylsilole multilayers--an insight from X-ray electron spectroscopy and density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31117-24	3.6	5
195	Two-dimensional soft supramolecular networks. <i>Chemical Communications</i> , 2015 , 51, 17297-300	5.8	11
194	Sub-Nanometer Width Armchair Graphene Nanoribbon Energy Gap Atlas. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3228-3235	6.4	11
193	Nature of the bias-dependent symmetry reduction of iron phthalocyanine on Cu(111). <i>Physical Review B</i> , 2015 , 92,	3.3	19

192	Orthogonal Insertion of Lanthanide and Transition-Metal Atoms in Metal-Organic Networks on Surfaces. <i>Angewandte Chemie</i> , 2015 , 127, 6261-6265	3.6	7
191	Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. <i>Small</i> , 2015 , 11, 6358-6411	11	34
190	Surface-Assisted Cyclodehydrogenation; Break the Symmetry, Enhance the Selectivity. <i>Chemistry - A European Journal</i> , 2015 , 21, 12285-90	4.8	45
189	Synthesis, characterization, monolayer assembly and 2D lanthanide coordination of a linear terphenyl-di(propionitrile) linker on Ag(111). <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 327-35	3	6
188	Quantum confinement in self-assembled two-dimensional nanoporous honeycomb networks at close-packed metal surfaces. <i>Journal of Chemical Physics</i> , 2015 , 142, 101931	3.9	16
187	Controlling coordination reactions and assembly on a Cu(111) supported boron nitride monolayer. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2420-3	16.4	48
186	Two-Dimensional Hierarchical Supramolecular Assembly of a Silole Derivative and Surface-Assisted Chemical Transformations. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 3857-3863	3.8	7
185	Porphyryns at interfaces. <i>Nature Chemistry</i> , 2015 , 7, 105-20	17.6	472
184	A 2D semiconductor-self-assembled monolayer photoswitchable diode. <i>Advanced Materials</i> , 2015 , 27, 1426-31	24	44
183	Direct observation of electron propagation and dielectric screening on the atomic length scale. <i>Nature</i> , 2015 , 517, 342-6	50.4	116
182	Scrutinizing individual CoTPP molecule adsorbed on coinage metal surfaces from the interplay of STM experiment and theory. <i>Surface Science</i> , 2015 , 635, 108-114	1.8	11
181	Self-assembly and chemical modifications of bisphenol a on Cu(111): interplay between ordering and thermally activated stepwise deprotonation. <i>ACS Nano</i> , 2014 , 8, 207-15	16.7	29
180	Solid-state light-phase detector. <i>Nature Photonics</i> , 2014 , 8, 214-218	33.9	56
179	Temperature-dependent templated growth of porphine thin films on the (111) facets of copper and silver. <i>Journal of Chemical Physics</i> , 2014 , 141, 144703	3.9	27
178	Synthesis of extended graphdiyne wires by vicinal surface templating. <i>Nano Letters</i> , 2014 , 14, 1891-7	11.5	149
177	Meta-Positioning of Carbonitrile Functional Groups Induces Interfacial Edge-On Phase of Oligophenyl Derivatives. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2622-2633	3.8	6
176	Control of molecular organization and energy level alignment by an electronically nanopatterned boron nitride template. <i>ACS Nano</i> , 2014 , 8, 430-42	16.7	68
175	Addendum: Optical-field-induced current in dielectrics. <i>Nature</i> , 2014 , 507, 386-7	50.4	9

174	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	3.8	65
173	Five-Vertex Lanthanide Coordination on Surfaces: A Route to Sophisticated Nanoarchitectures and Tessellations. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12908-12915	3.8	30
172	Topological dynamics in supramolecular rotors. <i>Nano Letters</i> , 2014 , 14, 4461-8	11.5	28
171	Photoinduced C-C reactions on insulators toward photolithography of graphene nanoarchitectures. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4651-8	16.4	39
170	Three-dimensional bicomponent supramolecular nanoporous self-assembly on a hybrid all-carbon atomically flat and transparent platform. <i>Nano Letters</i> , 2014 , 14, 4486-92	11.5	15
169	Controlled manipulation of gadolinium-coordinated supramolecules by low-temperature scanning tunneling microscopy. <i>Nano Letters</i> , 2014 , 14, 1369-73	11.5	37
168	Surface-assisted dehydrogenative homocoupling of porphine molecules. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9346-54	16.4	122
167	Tuning the optical emission of MoS ₂ nanosheets using proximal photoswitchable azobenzene molecules. <i>Applied Physics Letters</i> , 2014 , 105, 241116	3.4	29
166	Morphological self-assembly of enantiopure allenes for upstanding chiral architectures at interfaces. <i>Chemical Communications</i> , 2014 , 50, 15022-5	5.8	9
165	Emergence of photoswitchable states in a graphene-azobenzene-Au platform. <i>Nano Letters</i> , 2014 , 14, 6823-7	11.5	32
164	2 D Self-Assembly and Catalytic Homo-coupling of the Terminal Alkyne 1,4-Bis(3,5-diethynyl-phenyl)butadiyne-1,3 on Ag(111). <i>ChemCatChem</i> , 2013 , 5, 3281-3288	5.2	27
163	How surface bonding and repulsive interactions cause phase transformations: ordering of a prototype macrocyclic compound on Ag(111). <i>ACS Nano</i> , 2013 , 7, 3139-49	16.7	81
162	Optical-field-induced current in dielectrics. <i>Nature</i> , 2013 , 493, 70-4	50.4	432
161	Self-terminating protocol for an interfacial complexation reaction in vacuo by metal-organic chemical vapor deposition. <i>ACS Nano</i> , 2013 , 7, 4520-6	16.7	37
160	Probing nitrosyl ligation of surface-confined metalloporphyrins by inelastic electron tunneling spectroscopy. <i>ACS Nano</i> , 2013 , 7, 5273-81	16.7	25
159	Competing Interactions in Surface Reticulation with a Prochiral Dicarbonitrile Linker. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12858-12863	3.8	22
158	Formation of Fe cluster superlattice in a metal-organic quantum-box network. <i>Physical Review Letters</i> , 2013 , 110, 086102	7.4	64
157	Controlled interaction of surface quantum-well electronic states. <i>Nano Letters</i> , 2013 , 13, 6130-5	11.5	36

156	Steering On-Surface Self-Assembly of High-Quality Hydrocarbon Networks with Terminal Alkynes. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 3987-3995	3.8	38
155	Assessment of scanning tunneling spectroscopy modes inspecting electron confinement in surface-confined supramolecular networks. <i>Scientific Reports</i> , 2013 , 3, 1454	4.9	27
154	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, 6678-81	11.5	104
153	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	3.9	62
152	Supramolecular assembly of interfacial nanoporous networks with simultaneous expression of metal-organic and organic-bonding motifs. <i>Chemistry - A European Journal</i> , 2013 , 19, 14143-50	4.8	53
151	Homo-coupling of terminal alkynes on a noble metal surface. <i>Nature Communications</i> , 2012 , 3, 1286	17.4	309
150	Hierarchically organized bimolecular ladder network exhibiting guided one-dimensional diffusion. <i>ACS Nano</i> , 2012 , 6, 549-56	16.7	11
149	Self-metalation of 2H-tetraphenylporphyrin on Cu(111): an x-ray spectroscopy study. <i>Journal of Chemical Physics</i> , 2012 , 136, 014705	3.9	138
148	Chemical transformations drive complex self-assembly of uracil on close-packed coinage metal surfaces. <i>ACS Nano</i> , 2012 , 6, 2477-86	16.7	55
147	Two-dimensional short-range disordered crystalline networks from flexible molecular modules. <i>ACS Nano</i> , 2012 , 6, 4258-65	16.7	57
146	Binding geometry of hydrogen-bonded chain motif in self-assembled gratings and layers on Ag(111). <i>Langmuir</i> , 2012 , 28, 14291-300	4	9
145	Nature of the attractive interaction between proton acceptors and organic ring systems. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15995-6001	3.6	47
144	Photocurrent of a single photosynthetic protein. <i>Nature Nanotechnology</i> , 2012 , 7, 673-6	28.7	99
143	l-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	3.8	61
142	Boron nitride on Cu(111): an electronically corrugated monolayer. <i>Nano Letters</i> , 2012 , 12, 5821-8	11.5	168
141	Selective supramolecular fullerene-porphyrin interactions and switching in surface-confined C60-Ce(TPP)2 dyads. <i>Nano Letters</i> , 2012 , 12, 4077-83	11.5	42
140	Unraveling the Hierarchic Formation of Open-porous Bimolecular Networks. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 16421-16429	3.8	4
139	Attosecond time-resolved photoemission from core and valence states of magnesium. <i>Physical Review Letters</i> , 2012 , 109, 087401	7.4	101

138	A surface-anchored molecular four-level conductance switch based on single proton transfer. <i>Nature Nanotechnology</i> , 2011 , 7, 41-6	28.7	221
137	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, 6206-22	16.4	178
136	A flexible apparatus for attosecond photoelectron spectroscopy of solids and surfaces. <i>Review of Scientific Instruments</i> , 2011 , 82, 063104	1.7	25
135	Cis-dicarbonyl binding at cobalt and iron porphyrins with saddle-shape conformation. <i>Nature Chemistry</i> , 2011 , 3, 114-9	17.6	86
134	Surface-Confined Self-Assembly of Di-carbonitrile Polyphenyls. <i>Advanced Functional Materials</i> , 2011 , 21, 1230-1240	15.6	54
133	Uniform System Alignment in Thin Films of Template-Grown Dicarbonitrile-Oligophenyls. <i>Advanced Functional Materials</i> , 2011 , 21, 1631-1642	15.6	32
132	Surface Chemistry: Surface-Confined Self-Assembly of Di-carbonitrile Polyphenyls (Adv. Funct. Mater. 7/2011). <i>Advanced Functional Materials</i> , 2011 , 21, 1229-1229	15.6	
131	Synthese und Manipulation rotierbarer Cer-Porphyrin-Sandwichkomplexe auf einer Oberfläche. <i>Angewandte Chemie</i> , 2011 , 123, 3958-3963	3.6	18
130	Assembly and manipulation of rotatable cerium porphyrinato sandwich complexes on a surface. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3872-7	16.4	86
129	Tunable quantum dot arrays formed from self-assembled metal-organic networks. <i>Physical Review Letters</i> , 2011 , 106, 026802	7.4	62
128	Preserving charge and oxidation state of Au(III) ions in an agent-functionalized nanocrystal model system. <i>ACS Nano</i> , 2011 , 5, 6480-6	16.7	22
127	Positioning of Single Co Atoms Steered by a Self-Assembled Organic Molecular Template. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1639-1645	6.4	19
126	Random two-dimensional string networks based on divergent coordination assembly. <i>Nature Chemistry</i> , 2010 , 2, 131-7	17.6	101
125	Rotational and constitutional dynamics of caged supramolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21332-6	11.5	76
124	Discriminative response of surface-confined metalloporphyrin molecules to carbon and nitrogen monoxide. <i>Journal of the American Chemical Society</i> , 2010 , 132, 18141-6	16.4	55
123	Site-specific electronic and geometric interface structure of Co-tetraphenyl-porphyrin layers on Ag(111). <i>Physical Review B</i> , 2010 , 81,	3.3	119
122	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	3.8	42
121	Hierarchic self-assembly of nanoporous chiral networks with conformationally flexible porphyrins. <i>ACS Nano</i> , 2010 , 4, 4936-42	16.7	69

120	L-tyrosine on Ag(111): universality of the amino acid 2D zwitterionic bonding scheme?. <i>ACS Nano</i> , 2010 , 4, 1218-26	16.7	46
119	Self-assembly of flexible one-dimensional coordination polymers on metal surfaces. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6783-90	16.4	126
118	Surface-assisted assembly of discrete porphyrin-based cyclic supramolecules. <i>Nano Letters</i> , 2010 , 10, 122-8	11.5	90
117	Supramolecular organization and chiral resolution of p-terphenyl-m-dicarbonitrile on the Ag(111) surface. <i>ChemPhysChem</i> , 2010 , 11, 1446-51	3.2	27
116	Engineering atomic and molecular nanostructures at surfaces 2009 , 67-75		5
115	NO-Induced Reorganization of Porphyrin Arrays. <i>ACS Nano</i> , 2009 , 3, 1789-94	16.7	40
114	Supramolecular control of the magnetic anisotropy in two-dimensional high-spin Fe arrays at a metal interface. <i>Nature Materials</i> , 2009 , 8, 189-93	27	242
113	Fresh perspectives for surface coordination chemistry. <i>Surface Science</i> , 2009 , 603, 1533-1541	1.8	227
112	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	3.8	63
111	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	3.8	38
110	Dichotomous array of chiral quantum corrals by a self-assembled nanoporous kagoml network. <i>Nano Letters</i> , 2009 , 9, 3509-14	11.5	69
109	High-quality 2D metal-organic coordination network providing giant cavities within mesoscale domains. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3881-3	16.4	129
108	Effect of strain relaxations on heteroepitaxial metal-on-metal island nucleation and superlattice formation: Fe on Cu(111). <i>Physical Review B</i> , 2009 , 79,	3.3	28
107	Surface-confined supramolecular coordination chemistry. <i>Topics in Current Chemistry</i> , 2009 , 287, 1-44		95
106	Chiral kagomlattice from simple ditopic molecular bricks. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11778-82	16.4	168
105	Dimerization boosts one-dimensional mobility of conformationally adapted porphyrins on a hexagonal surface atomic lattice. <i>Nano Letters</i> , 2008 , 8, 4608-13	11.5	58
104	Interaction of Cerium Atoms with Surface-Anchored Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3453-3455	3.8	78
103	Modular assembly of low-dimensional coordination architectures on metal surfaces. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 184002	1.8	88

102	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	3.9	82
101	Self-aligning atomic strings in surface-supported biomolecular gratings. <i>Physical Review B</i> , 2008 , 78,	3.3	49
100	Using metal-organic templates to steer the growth of Fe and Co nanoclusters. <i>Applied Physics Letters</i> , 2008 , 93, 243102	3.4	43
99	Cleaving-temperature dependence of layered-oxide surfaces. <i>Physical Review Letters</i> , 2008 , 101, 216103	7.4	24
98	Molecular nanoscience and engineering on surfaces. <i>International Journal of Nanotechnology</i> , 2008 , 5, 1171	1.5	35
97	Visualizing the frontier orbitals of a conformationally adapted metalloporphyrin. <i>ChemPhysChem</i> , 2008 , 9, 89-94	3.2	92
96	Does the surface matter? Hydrogen-bonded chain formation of an oxalic amide derivative in a two- and three-dimensional environment. <i>ChemPhysChem</i> , 2008 , 9, 2522-30	3.2	32
95	Structure and energetics of diphenylalanine self-assembling on Cu(110). <i>Journal of Physical Chemistry A</i> , 2007 , 111, 12740-8	2.8	32
94	Molecular architectonic on metal surfaces. <i>Annual Review of Physical Chemistry</i> , 2007 , 58, 375-407	15.7	895
93	Ionic hydrogen bonds controlling two-dimensional supramolecular systems at a metal surface. <i>Chemistry - A European Journal</i> , 2007 , 13, 3900-6	4.8	108
92	Surface-assisted assembly of 2D metal-organic networks that exhibit unusual threefold coordination symmetry. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 710-3	16.4	208
91	Self-assembly of periodic bicomponent wires and ribbons. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1814-8	16.4	150
90	Controlled metalation of self-assembled porphyrin nanoarrays in two dimensions. <i>ChemPhysChem</i> , 2007 , 8, 250-4	3.2	187
89	Conformational adaptation in supramolecular assembly on surfaces. <i>ChemPhysChem</i> , 2007 , 8, 1782-6	3.2	41
88	Ab-initio calculations and STM observations on tetrapyrrolyl and Fe(II)-tetrapyrrolyl-porphyrin molecules on Ag(111). <i>Surface Science</i> , 2007 , 601, 2409-2414	1.8	44
87	Supramolecular gratings for tuneable confinement of electrons on metal surfaces. <i>Nature Nanotechnology</i> , 2007 , 2, 99-103	28.7	121
86	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, 5279-84	11.5	156
85	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, 11279-85	16.4	112

84	Metal-organic honeycomb nanomeshes with tunable cavity size. <i>Nano Letters</i> , 2007 , 7, 3813-7	11.5	281
83	Asymmetry induction by cooperative intermolecular hydrogen bonds in surface-anchored layers of achiral molecules. <i>ChemPhysChem</i> , 2006 , 7, 2197-204	3.2	45
82	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	3.9	63
81	Self-assembly and conformation of tetrapyrrolyl-porphyrin molecules on Ag(111). <i>Journal of Chemical Physics</i> , 2006 , 124, 194708	3.9	129
80	Non-covalent binding of fullerenes and biomolecules at surface-supported metallosupramolecular receptors. <i>Chemical Communications</i> , 2006 , 2153-5	5.8	63
79	Monitoring two-dimensional coordination reactions: directed assembly of co-terephthalate nanosystems on Au(111). <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5627-32	3.4	72
78	Surface-template assembly of two-dimensional metal-organic coordination networks. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23472-7	3.4	80
77	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, 5634-5	16.4	86
76	MOBILITY OF COMPLEX ORGANIC SPECIES AT METAL SURFACES 2006 , 269-286		1
75	Manipulating 2D metal-organic networks via ligand control. <i>Chemical Communications</i> , 2005 , 1681-3	5.8	54
74	Chiral phase transition in two-dimensional supramolecular assemblies of prochiral molecules. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10101-6	16.4	124
73	Enhanced field emission from multiwall carbon nanotube films by secondary growth. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 21677-80	3.4	32
72	Programming supramolecular assembly and chirality in two-dimensional dicarboxylate networks on a Cu(100) surface. <i>Nano Letters</i> , 2005 , 5, 901-4	11.5	106
71	Engineering atomic and molecular nanostructures at surfaces. <i>Nature</i> , 2005 , 437, 671-9	50.4	1852
70	Two-dimensional adatom gas bestowing dynamic heterogeneity on surfaces. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1488-91	16.4	104
69	Mesoscopic metallosupramolecular texturing by hierarchic assembly. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7294-7	16.4	73
68	Two-Dimensional Adatom Gas Bestowing Dynamic Heterogeneity on Surfaces. <i>Angewandte Chemie</i> , 2005 , 117, 1512-1515	3.6	24
67	Mesoscopic Metallosupramolecular Texturing by Hierarchic Assembly. <i>Angewandte Chemie</i> , 2005 , 117, 7460-7463	3.6	8

66	Mesoscopic chiral reshaping of the Ag(110) surface induced by the organic molecule PVBA. <i>Journal of Chemical Physics</i> , 2004 , 120, 11367-70	3.9	38
65	Modeling Nucleation and Insulating Properties of Oxide Surfaces and Ultra-Thin Films. <i>Key Engineering Materials</i> , 2004 , 264-268, 485-488	0.4	1
64	Steering molecular organization and host-guest interactions using two-dimensional nanoporous coordination systems. <i>Nature Materials</i> , 2004 , 3, 229-33	27	630
63	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, 1913-9	4.8	178
62	Substrate-induced supramolecular ordering of functional molecules: theoretical modelling and STM investigation of the PEBA/Ag(111) system. <i>Acta Materialia</i> , 2004 , 52, 1589-1595	8.4	15
61	STM Study of Terephthalic Acid Self-Assembly on Au(111): Hydrogen-Bonded Sheets on an Inhomogeneous Substrate. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14585-14590	3.4	168
60	Design of extended surface-supported chiral metal-organic arrays comprising mononuclear iron centers. <i>Langmuir</i> , 2004 , 20, 4799-801	4	50
59	Deprotonation-Driven Phase Transformations in Terephthalic Acid Self-Assembly on Cu(100). <i>Journal of Physical Chemistry B</i> , 2004 , 108, 19392-19397	3.4	148
58	Supramolecular Engineering Of Metal-Organic Networks At Surfaces. <i>AIP Conference Proceedings</i> , 2003 ,	0	2
57	Supramolecular architectures and nanostructures at metal surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 76, 645-652	2.6	130
56	Modular Assembly of Two-Dimensional Metal-Organic Coordination Networks at a Metal Surface. <i>Angewandte Chemie</i> , 2003 , 115, 2774-2777	3.6	90
55	Modular assembly of two-dimensional metal-organic coordination networks at a metal surface. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2670-3	16.4	249
54	Hierarchical assembly of two-dimensional homochiral nanocavity arrays. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10725-8	16.4	196
53	Scanning tunneling microscopy and x-ray photoelectron diffraction investigation of C60 films on Cu(100). <i>Physical Review B</i> , 2003 , 67,	3.3	53
52	Real-Time Single-Molecule Imaging of the Formation and Dynamics of Coordination Compounds. <i>Angewandte Chemie</i> , 2002 , 114, 4973-4977	3.6	38
51	Real-time single-molecule imaging of the formation and dynamics of coordination compounds. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4779-83	16.4	188
50	Oxidation of CO by molecular oxygen on a Ag(110) surface studied by scanning tunneling microscopy. <i>Surface Science</i> , 2002 , 513, 359-366	1.8	27
49	Supramolecular Assemblies of Trimesic Acid on a Cu(100) Surface. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 6907-6912	3.4	240

48	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	16.4	199
47	Direct observation of chiral metal-organic complexes assembled on a Cu100 surface. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14000-1	16.4	142
46	Thermal dissociation of chemisorbed oxygen molecules on Ag(110): an investigation by scanning tunnelling microscopy. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 4241-4250	1.8	24
45	Mobility and bonding transition of C60 on Pd(110). <i>Physical Review B</i> , 2001 , 64,	3.3	73
44	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	3.9	58
43	Mesoscopic correlation of supramolecular chirality in one-dimensional hydrogen-bonded assemblies. <i>Physical Review Letters</i> , 2001 , 87, 096101	7.4	182
42	Self-Assembly Growth of Organic Thin Films and Nanostructures by Molecular Beam Deposition. <i>ACS Symposium Series</i> , 2001 , 34-49	0.4	3
41	Building Supramolecular Nanostructures at Surfaces by Hydrogen Bonding Fruitful discussions with A. de Vita, B. Müller, and H. Brune are acknowledged. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 1230-1234	16.4	347
40	Transport of adsorbates at metal surfaces: from thermal migration to hot precursors. <i>Surface Science Reports</i> , 2000 , 40, 75-149	12.9	385
39	Dynamics of surface migration in the weak corrugation regime. <i>Physical Review Letters</i> , 2000 , 84, 1732-1735	5.4	86
38	Nucleation and growth of supported clusters at defect sites: Pd/MgO(001). <i>Physical Review B</i> , 2000 , 61, 11105-11108	3.3	195
37	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	3.9	83
36	Nucleation Kinetics on Inhomogeneous Substrates: Al/Au(111). <i>Physical Review Letters</i> , 1999 , 82, 1732-1735	1.1	57
35	Ordering of PVBA on amorphous SiO2 and Pd(110). <i>Thin Solid Films</i> , 1999 , 343-344, 171-174	2.2	4
34	Model for In-Plane Directional Ordering of Organic Thin Films by Oblique Incidence Organic Molecular Beam Deposition. <i>Advanced Materials</i> , 1999 , 11, 750-754	24	23
33	Binding and ordering of large organic molecules on an anisotropic metal surface: PVBA on Pd(110). <i>Surface Science</i> , 1999 , 431, 168-173	1.8	24
32	Atomare Prozesse an Oberflächen. <i>Physik in Unserer Zeit</i> , 1998 , 29, 251-260	0.1	4
31	Strain Relief via Island Ramification in Submonolayer Heteroepitaxy. <i>Surface Review and Letters</i> , 1998 , 05, 769-781	1.1	16

30	Formation mechanism of the O-induced added-row reconstruction on Ag(110): A low-temperature STM study. <i>Physical Review B</i> , 1998 , 58, 12663-12666	3.3	30
29	Island Shape Transition in Heteroepitaxial Metal Growth on Square Lattices. <i>Physical Review Letters</i> , 1998 , 80, 2642-2645	7.4	50
28	Direct observation of mobility and interactions of oxygen molecules chemisorbed on the Ag(110) surface. <i>Physical Review B</i> , 1997 , 55, 12902-12905	3.3	43
27	Growth and surface alloying of Al on Au(111) at room temperature. <i>Surface Science</i> , 1997 , 389, 366-374	1.8	36
26	Complex pathways in dissociative adsorption of oxygen on platinum. <i>Nature</i> , 1997 , 390, 495-497	50.4	151
25	Hot precursors in the adsorption of molecular oxygen on Ag(110). <i>Chemical Physics Letters</i> , 1997 , 270, 152-156	2.5	34
24	The system K/Au(111): adsorption and surface restructuring. <i>Surface Science</i> , 1996 , 348, 280-286	1.8	22
23	Magnetic anisotropy of glide-distorted fcc and of bcc ultrathin Fe/Cu(001) films. <i>Physical Review B</i> , 1996 , 53, 5563-5569	3.3	33
22	Development of medium energy ion scattering and magneto-optic Kerr effect apparatus for characterizing ultrathin magnetic films. <i>Vacuum</i> , 1995 , 46, 1127-1131	3.7	3
21	Structure and dynamics of the Cu(001) surface investigated by medium-energy ion scattering. <i>Physical Review B</i> , 1995 , 52, 2117-2124	3.3	42
20	Low-coverage nonpseudomorphic and metastable structures of magnetic Fe on Cu(001). <i>Physical Review B</i> , 1995 , 52, 11432-11440	3.3	5
19	Scanning-tunneling-microscopy observation of K-induced reconstructions on Au(110). <i>Physical Review B</i> , 1995 , 51, 4402-4414	3.3	24
18	Quantitative structural analysis of fcc Fe(2 x 1) on Cu(001): A medium-energy ion-scattering study. <i>Physical Review B</i> , 1995 , 52, 1528-1531	3.3	12
17	Adsorption, surface restructuring and alloy formation in the system. <i>Surface Science</i> , 1995 , 341, 62-91	1.8	49
16	Interactions between alkali metals and oxygen on a reconstructed surface: An STM study of oxygen adsorption on the alkali-metal-covered Cu(110) surface. <i>Physical Review B</i> , 1994 , 50, 17456-17462	3.3	14
15	Erratum to Mesoscopic structural transformations of the Au(111) surface induced by alkali metal adsorption[<i>Surface Science Letters</i> 302 (1994) L319-L324]. <i>Surface Science</i> , 1994 , 312, L757	1.8	4
14	Mesoscopic structural transformations of the Au(111) surface induced by alkali metal adsorption. <i>Surface Science</i> , 1994 , 302, L319-L324	1.8	55
13	K-induced restructuring of Au(001) observed by scanning tunneling microscopy. <i>Surface Science</i> , 1994 , 302, 158-170	1.8	18

12	Intermixing and two-dimensional alloy formation in the Na/Au(111) system. <i>Surface Science</i> , 1993 , 292, L769-L774	1.8	28
11	Oxygen-induced restructuring of Ag(111). <i>Surface Science</i> , 1993 , 284, 14-22	1.8	103
10	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	3.3	37
9	Intermixing and two-dimensional alloy formation in the Na/Au(111) system. <i>Surface Science Letters</i> , 1993 , 292, L769-L774		2
8	Scanning tunneling microscopy observation of phase-transition phenomena in the Cs/Cu(110) system: Evidence for a two-step disordering mechanism of a uniaxial (1 x 3) phase. <i>Physical Review Letters</i> , 1992 , 69, 2547-2550	7.4	33
7	Microfacetting of Pt(210) induced by oxygen adsorption and by catalytic CO oxidation. <i>Surface Science</i> , 1992 , 271, 159-169	1.8	60
6	Distance dependence and corrugation in barrier-height measurements on metal surfaces. <i>Ultramicroscopy</i> , 1992 , 42-44, 533-540	3.1	32
5	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	3.3	58
4	Mechanism of the K-induced reconstruction of Cu(110). <i>Surface Science</i> , 1991 , 247, L229-L234	1.8	65
3	Ordered structures and structural transformations on a K-covered Au(110) surface. <i>Surface Science</i> , 1991 , 253, 270-282	1.8	26
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	3.3	1119
1	An STM investigation of the Cu(110)-(6 x 6)O system. <i>Surface Science</i> , 1990 , 240, 151-162	1.8	60