Meike StÃ¶hr

List of Publications by Year
in descending order

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83	3,712	101543	133252
papers	citations	36 h-index	59 g-index

94	94	94	3471
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Length-dependent symmetry in narrow chevron-like graphene nanoribbons. Nanoscale Advances, 2022, 4, 3531-3536.	4.6	1
2	Stepwise Adsorption of Alkoxyâ€Pyrene Derivatives onto a Lamellar, Nonâ€Porous Naphthalenediimideâ€Template on HOPG. Chemistry - A European Journal, 2021, 27, 207-211.	3.3	3
3	Unveiling Adatoms in On-Surface Reactions: Combining Scanning Probe Microscopy with vanâ€™t Hoff Plots. Journal of Physical Chemistry C, 2021, 125, 9847-9854.	3.1	8
4	Casimir and electrostatic forces from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:m thin films of varying thickness. Physical Review B, 2021, 103, .	3.7	8
5	Transfer of large-scale two-dimensional semiconductors: challenges and developments. 2D Materials, 2021, 8, 032001.	4.4	81
6	Structural Transformation of Surfaceâ€Confined Porphyrin Networks by Addition of Co Atoms. Chemistry - A European Journal, 2021, 27, 12430-12436.	3.3	6
7	Molecular assemblies on surfaces: towards physical and electronic decoupling of organic molecules. Beilstein Journal of Nanotechnology, 2021, 12, 950-956.	2.8	6
8	Atomically precise graphene nanoribbons: interplay of structural and electronic properties. Chemical Society Reviews, 2021, 50, 6541-6568.	38.1	105
9	Comparing Cyanophenyl and Pyridyl Ligands in the Formation of Porphyrin-Based Metalâ€“Organic Coordination Networks. Journal of Physical Chemistry C, 2021, 125, 24557-24567.	3.1	5
10	Engineering Long-Range Order in Supramolecular Assemblies on Surfaces: The Paramount Role of Internal Double Bonds in Discrete Long-Chain Naphthalenediimides. Journal of the American Chemical Society, 2020, 142, 4070-4078.	13.7	19
11	Thiol-free self-assembled oligoethylene glycols enable robust air-stable molecular electronics. Nature Materials, 2020, 19, 330-337.	27.5	60
12	Coverage-Dependent Structural Transformation of Cyano-Functionalized Porphyrin Networks on Au(111) via Addition of Cobalt Atoms. Journal of Physical Chemistry C, 2019, 123, 19681-19687.	3.1	14
13	Triphenyleneâ€Derived Electron Acceptors and Donors on Ag(111): Formation of Intermolecular Chargeâ€Transfer Complexes with Common Unoccupied Molecular States. Small, 2019, 15, e1901741.	10.0	10
14	Edge Phonon Excitations in a Chiral Self-Assembled Supramolecular Nanoribbon. Journal of Physical Chemistry Letters, 2019, 10, 5830-5835.	4.6	2
15	Low-Dimensional Metalâ€“Organic Coordination Structures on Graphene. Journal of Physical Chemistry C, 2019, 123, 12730-12735.	3.1	22
16	Coverage-Controlled Polymorphism of H-Bonded Networks on Au(111). Journal of Physical Chemistry C, 2019, 123, 7151-7157.	3.1	4
17	Effective determination of surface potential landscapes from metal-organic nanoporous network overlayers. New Journal of Physics, 2019, 21, 053004.	2.9	7
18	Comparing the Selfâ€Assembly of Sexiphenylâ€Dicarbonitrile on Graphite and Graphene on Cu(111). Chemistry - A European Journal, 2019, 25, 5065-5070.	3.3	4

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19	Comparison of Casimir forces and electrostatics from conductive SiC-Si/C and Ru surfaces. Physical Review B, 2019, 100, .	3.2	6
20	Surface state tunable energy and mass renormalization from homothetic quantum dot arrays. Nanoscale, 2019, 11, 23132-23138.	5.6	14
21	Adsorbate-Induced Modification of the Confining Barriers in a Quantum Box Array. ACS Nano, 2018, 12, 768-778.	14.6	6
22	Role of Cyano Groups in the Self-Assembly of Organic Molecules on Metal Surfaces. , 2018, , 153-165.		3
23	Bias-induced conformational switching of supramolecular networks of trimesic acid at the solid-liquid interface. Journal of Chemical Physics, 2018, 148, 174703.	3.0	27
24	Molecular Self-Assembly on Graphene: The Role of the Substrate. , 2018, , 110-119.		1
25	Temperature dependence of the partially localized state in a 2D molecular nanoporous network. Applied Surface Science, 2017, 391, 39-43.	6.1	8
26	Chiralâ€Selective Formation of 1D Polymers Based on Ullmannâ€Type Coupling: The Role of the Metallic Substrate. Small, 2017, 13, 1603675.	10.0	35
27	Onâ€Surface Formation of Cumulene by Dehalogenative Homocoupling of Alkenyl gemâ€Dibromides. Angewandte Chemie - International Edition, 2017, 56, 12165-12169.	13.8	52
28	Onâ€Surface Formation of Cumulene by Dehalogenative Homocoupling of Alkenyl gemâ€Dibromides. Angewandte Chemie, 2017, 129, 12333-12337.	2.0	18
29	Surface-confined [2 + 2] cycloaddition towards one-dimensional polymers featuring cyclobutadiene units. Nanoscale, 2017, 9, 18305-18310.	5.6	32
30	Cyanoâ€Functionalized Triarylamines on Coinage Metal Surfaces: Interplay of Intermolecular and Moleculeâ€“Substrate Interactions. Chemistry - A European Journal, 2016, 22, 581-589.	3.3	30
31	Comparing Ullmann Coupling on Noble Metal Surfaces: Onâ€Surface Polymerization of 1,3,6,8â€Tetrabromopyrene on Cu(111) and Au(111). Chemistry - A European Journal, 2016, 22, 5937-5944.	3.3	84
32	Configuring Electronic States in an Atomically Precise Array of Quantum Boxes. Small, 2016, 12, 3757-3763.	10.0	16
33	1,3,5-Benzenetribenzoic Acid on Cu(111) and Graphene/Cu(111): A Comparative STM Study. Journal of Physical Chemistry C, 2016, 120, 18093-18098.	3.1	35
34	Confinement properties of 2D porous molecular networks on metal surfaces. Journal of Physics Condensed Matter, 2016, 28, 153003.	1.8	29
35	Comparing Graphene Growth on Cu(111) versus Oxidized Cu(111). Nano Letters, 2015, 15, 917-922.	9.1	107
36	Interplay of weak interactions in the atom-by-atom condensation of xenon within quantum boxes. Nature Communications, 2015, 6, 6071.	12.8	30

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37	Heat-induced formation of one-dimensional coordination polymers on Au(111): an STM study. Chemical Communications, 2015, 51, 14473-14476.	4.1	29
38	From hydrogen bonding to metal coordination and back: Porphyrin-based networks on Ag(111). Journal of Chemical Physics, 2015, 142, 101926.	3.0	19
39	On-surface synthesis of a two-dimensional porous coordination network: Unraveling adsorbate interactions. Physical Review B, 2014, 90, .	3.2	61
40	Self-assembly of pyrene derivatives on Au(111): substituent effects on intermolecular interactions. Chemical Communications, 2014, 50, 14089-14092.	4.1	61
41	Cyanoâ€Functionalized Triarylamines on Au(111): Competing Intermolecular versus Molecule/Substrate Interactions. Advanced Materials Interfaces, 2014, 1, 1300025.	3.7	52
42	Self-Assembly: Cyano-Functionalized Triarylamines on Au(111): Competing Intermolecular versus Molecule/Substrate Interactions (Adv. Mater. Interfaces 1/2014). Advanced Materials Interfaces, 2014, 1, n/a-n/a.	3.7	1
43	Covalent assembly of a two-dimensional molecular â€œspongeâ€•on a Cu(111) surface: confined electronic surface states in open and closed pores. Chemical Communications, 2014, 50, 7628-7631.	4.1	20
44	Supramolecular self-assembly of metal-free naphthalocyanine on Au(111). Physical Chemistry Chemical Physics, 2014, 16, 8881.	2.8	17
45	Thermolubricity of gas monolayers on graphene. Nanoscale, 2014, 6, 8062.	5.6	13
46	Coverage-Dependent Disorder-to-Order Phase Transformation of a Uracil Derivative on Ag(111). Journal of Physical Chemistry C, 2014, 118, 15286-15291.	3.1	14
47	Controlling the Dimensionality of On-Surface Coordination Polymers via Endo- or Exoligation. Journal of the American Chemical Society, 2014, 136, 9355-9363.	13.7	65
48	Microscopic characterisation of suspended graphene grown by chemical vapour deposition. Nanoscale, 2013, 5, 9057.	5.6	10
49	Chirality Transfer in 1D Self-Assemblies: Influence of H-Bonding vs Metal Coordination between Dicyano[7]helicene Enantiomers. Journal of the American Chemical Society, 2013, 135, 15270-15273.	13.7	57
50	Controlling the Dimensionality and Structure of Supramolecular Porphyrin Assemblies by their Functional Substituents: Dimers, Chains, and Closeâ€Packed 2D Assemblies. Chemistry - A European Journal, 2012, 18, 14610-14613.	3.3	19
51	Selfâ€Assembly and Twoâ€Dimensional Spontaneous Resolution of Cyanoâ€Functionalized [7]Helicenes on Cu(111). Angewandte Chemie - International Edition, 2011, 50, 9982-9986.	13.8	94
52	Visualizing the Product of a Formal Cycloaddition of 7,7,8,8â€Tetracyanoâ€pâ€quinodimethane (TCNQ) to an Acetyleneâ€Appended Porphyrin by Scanning Tunneling Microscopy on Au(111). Chemistry - A European Journal, 2011, 17, 5246-5250.	3.3	33
53	Aggregation and Contingent Metal/Surface Reactivity of 1,3,8,10â€Tetraazaperopyrene (TAPP) on Cu(111). Chemistry - A European Journal, 2010, 16, 2079-2091.	3.3	89
54	STM fingerprint of moleculeâ€“adatom interactions in a self-assembled metalâ€“organic surface coordination network on Cu(111). Physical Chemistry Chemical Physics, 2010, 12, 8815.	2.8	62

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55	Modification of Supramolecular Binding Motifs Induced By Substrate Registry: Formation of Selfâ€Assembled Macrocycles and Chainâ€Like Patterns. Chemistry - A European Journal, 2009, 15, 11139-11150.	3.3	89
56	Protectingâ€Groupâ€Controlled Surface Chemistryâ€”Organization and Heatâ€Induced Coupling of 4,4â€²â€Di(tertâ€butoxycarbonylamino)biphenyl on Metal Surfaces. Angewandte Chemie - International Edition, 2009, 48, 3179-3183.	13.8	30
57	Self-Assembly of Individually Addressable Complexes of C60 and Phthalocyanines on a Metal Surface: Structural and Electronic Investigations. Journal of Physical Chemistry C, 2009, 113, 19373-19375.	3.1	10
58	Band Formation from Coupled Quantum Dots Formed by a Nanoporous Network on a Copper Surface. Science, 2009, 325, 300-303.	12.6	126
59	Conformation-controlled networking of H-bonded assemblies on surfaces. Chemical Communications, 2009, , 3525.	4.1	18
60	Supramolecular Synthons on Surfaces: Controlling Dimensionality and Periodicity of Tetraarylporphyrin Assemblies by the Interplay of Cyano and Alkoxy Substituents. Chemistry - A European Journal, 2008, 14, 5794-5802.	3.3	75
61	Transforming Surface Coordination Polymers into Covalent Surface Polymers: Linked Polycondensed Aromatics through Oligomerization of Nâ€Heterocyclic Carbene Intermediates. Angewandte Chemie - International Edition, 2008, 47, 2414-2417.	13.8	191
62	Trimodular Engineering of Linear Supramolecular Miniatures on Ag(111) Surfaces Controlled by Complementary Triple Hydrogen Bonds. Angewandte Chemie - International Edition, 2008, 47, 7726-7730.	13.8	76
63	Two-Dimensional Multiphase Behavior Induced by Sterically Hindered Conformational Optimization of Phenoxy-Substituted Phthalocyanines. Journal of Physical Chemistry C, 2008, 112, 6139-6144.	3.1	18
64	Rotationâ€“libration in a hierarchic supramolecular rotorâ€“stator system: Arrhenius activation and retardation by local interaction. Chemical Communications, 2007, , 1349-1351.	4.1	68
65	Self-assembly, DNA Complexation, and pH Response of Amphiphilic Dendrimers for Gene Transfection. Langmuir, 2007, 23, 737-746.	3.5	68
66	A Supramolecular Multiposition Rotary Device. Angewandte Chemie - International Edition, 2007, 46, 4089-4092.	13.8	131
67	Supramolecular Nanostructuring of Silver Surfaces via Self-Assembly of [60]Fullerene and Porphyrin Modules. Advanced Functional Materials, 2007, 17, 1051-1062.	14.9	111
68	Lateral Manipulation for the Positioning of Molecular Guests within the Confinements of a Highly Stable Self-Assembled Organic Surface Network. Small, 2007, 3, 1336-1340.	10.0	85
69	Adsorption and Dynamics of Long-Range Interacting Fullerenes in a Flexible, Two-Dimensional, Nanoporous Porphyrin Network. ChemPhysChem, 2006, 7, 1462-1470.	2.1	58
70	A Two-Dimensional Porphyrin-Based Porous Network Featuring Communicating Cavities for the Templated Complexation of Fullerenes. Advanced Materials, 2006, 18, 275-279.	21.0	186
71	Supramolecular Self-Assemblies as High-Density Data-Storage Media. Materials Research Society Symposia Proceedings, 2006, 961, 1.	0.1	0
72	Hindered rotation of a copper phthalocyanine molecule onC60: Experiments and molecular mechanics calculations. Physical Review B, 2006, 73, .	3.2	40

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73	Controlling Molecular Assembly in Two Dimensions: The Concentration Dependence of Thermally Induced 2D Aggregation of Molecules on a Metal Surface. Angewandte Chemie - International Edition, 2005, 44, 7394-7398.	13.8	154
74	Immobilization of Rhodium Complexes at Thiolate Monolayers on Gold Surfaces:Â Catalytic and Structural Studies. Journal of the American Chemical Society, 2005, 127, 8720-8731.	13.7	95
75	Growth of 3,4,9,10-perylenetetracarboxylic-dianhydride crystallites on noble metal surfaces. Organic Electronics, 2004, 5, 35-43.	2.6	40
76	Investigation of the growth of PTCDA on Cu(): an STM study. Surface Science, 2002, 507-510, 330-334.	1.9	45
77	Analysis of the three-dimensional structure of a small crystallite by scanning tunneling microscopy: Multilayer films of 3,4,9,10-perylenetetracarboxylic-dianhydride (PTCDA) on Cu(110). Europhysics Letters, 2002, 59, 423-429.	2.0	32
78	STM Investigation on Single, Physisorbed Dendrimers. Single Molecules, 2002, 3, 295-299.	0.9	8
79	Hourglass-Shaped Dendrimers on Surfaces: A Comparison of Different Scanning-Tunneling-Microscopy Approaches. Helvetica Chimica Acta, 2002, 85, 4255-4263.	1.6	14
80	Growth of 3,4,9,10-perylenetetracarboxylic-dianhydride (PTCDA) on Cu(110) studied by STM. Applied Physics A: Materials Science and Processing, 2002, 74, 303-305.	2.3	16
81	Binary Molecular Layers of C60 and Copper Phthalocyanine on Au(111): Self-Organized Nanostructuring. Advanced Functional Materials, 2001, 11, 175-178.	14.9	52
82	Direct observation of hindered eccentric rotation of an individual molecule: Cu-phthalocyanine onC60. Physical Review B, 2001, 65, .	3.2	38
83	Self-Assembly of a Triphenylene-Based Electron Donor Molecule on Graphene: Structural and Electronic Properties. Journal of Physical Chemistry C, 0, , .	3.1	0