Hans-Peter SteinrÃ¼ck

List of Publications by Year
in descending order

417 papers	20,121 citations	9063 72 h-index	15721 122 g-index
444 all docs	444 docs citations	444 times ranked	17521 citing authors

#	Article	IF	Citations
1	Engineering two-dimensional supramolecular self-assembly: The role of Cl atoms. FlatChem, 2025, 50, 100808.	5.8	2
2	Correlation of Macroscopic Surface Tension and Microscopic Surface Composition of Binary Ionic Liquid Mixtures with Common Cations and Anions of Different Size. Journal of Physical Chemistry B, 2025, 129, 2789-2800.	2.9	1
3	Auâ€Catalyzed Energy Release in a Molecular Solar Thermal (MOST) System: A Combined Liquidâ€Phase and Surface Science Study. ChemPhotoChem, 2024, 8, .	2.6	10
4	Bromination of 2D materials. Nanotechnology, 2024, 35, 145703.	2.7	8
5	Exploring the interfacial behavior of ruthenium complexes in ionic liquids: implications for supported ionic liquid phase catalysts. Physical Chemistry Chemical Physics, 2024, 26, 7602-7610.	2.8	9
6	The Norbornadiene/Quadricyclane Pair as Molecular Solar Thermal Energy Storage System: Surface Science Investigations. ChemPhysChem, 2024, 25, .	2.0	26
7	Supported Catalytically Active Liquid Metal Solutions: Liquid Metal Catalysis with Ternary Alloys, Enhancing Activity in Propane Dehydrogenation. ACS Catalysis, 2024, 14, 6440-6450.	12.7	13
8	h-BN in the making: The surface chemistry of borazine on Rh(111). Journal of Chemical Physics, 2024, 160, .	3.0	5
9	Tailoring the Surface Enrichment of a Pt Catalyst in Ionic Liquid Solutions by Choice of the Solvent. Advanced Materials Interfaces, 2024, 11, .	4.1	4
10	Unlocking the Fluorineâ€Free Buoy Effect: Surfaceâ€Enriched Ruthenium Polypyridine Complexes in Ionic Liquids. ChemistryOpen, 2024, 13, .	2.7	5
11	Poisoning Resistance of Liquid GaPt Supported Catalytically Active Liquid Metal Solutions Model Systems. Journal of Physical Chemistry C, 2024, 128, 9024-9033.	3.2	1
12	Phenylphosphonic Acid on Rutile TiO₂(110): Using Theoretically Predicted O 1s Spectra to Identify the Adsorption Binding Modes. Journal of Physical Chemistry C, 2024, 128, 12735-12753.	3.2	6
13	Adsorption of Phenylboronic Acid Derivatives on Rutile TiO₂(110). Journal of Physical Chemistry C, 2024, 128, 12450-12470.	3.2	1
14	Ultrathin Films of a Nitrile-Functionalized Ionic Liquid [C₃CNC₁Im][Tf₂N] on Au(111) and Pt(111): Adsorption, Growth, and Thermal Behavior. Langmuir, 2024, 40, 27565-27578.	3.8	3
15	Formation and Surface Behavior of Pt and Pd Complexes with Ligand Systems Derived from Nitrileâ€functionalized Ionic Liquids Studied by XPS. ChemPhysChem, 2023, 24, .	2.0	16
16	The Buoy Effect: Surface Enrichment of a Pt Complex in IL Solution by Ligand Design. Chemistry - A European Journal, 2023, 29, .	3.4	15
17	Formation and Surface Behavior of Pt and Pd Complexes with Ligand Systems Derived from Nitrileâ€functionalized Ionic Liquids Studied by XPS. ChemPhysChem, 2023, 24, .	2.0	0
18	Surface Studies on the Energy Release of the MOST System 2â€Carbethoxyâ€3â€Phenylâ€Norbornadiene/Quadricyclane (PENBD/PEQC) on Pt(111) and Ni(111). Chemistry - A European Journal, 2023, 29, .	3.4	4

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19	Surface Studies on the Energy Release of the MOST System 2â€Carbethoxyâ€3â€Phenylâ€Norbornadiene/Quadricyclane (PENBD/PEQC) on Pt(111) and Ni(111). Chemistry - A European Journal, 2023, , .	3.4	0
20	Structure and Reactivity of the Ionic Liquid [C1C1Im][Tf2N] on Cu(111). Topics in Catalysis, 2023, 66, 1178-1195.	2.6	10
21	Structure and Surface Behavior of Rh Complexes in Ionic Liquids Studied Using Angle-Resolved X-ray Photoelectron Spectroscopy. Catalysts, 2023, 13, 871.	3.8	10
22	Liquid Organic Hydrogen Carriers: Model Catalytic Studies on the Thermal Dehydrogenation of 1-Cyclohexylethanol on Pt(111). Journal of Physical Chemistry C, 2023, 127, 11058-11066.	3.2	8
23	Structure and Conformation of Individual Molecules upon Adsorption of a Mixture of Benzoporphyrins on Ag(111), Cu(111), and Cu(110) Surfaces. ChemPhysChem, 2023, 24, .	2.0	1
24	Adsorption and thermal evolution of [C₁C₁Im][Tf₂N] on Pt(111). Physical Chemistry Chemical Physics, 2023, 25, 27953-27966.	2.8	10
25	Surface science and liquid phase investigations of oxanorbornadiene/oxaquadricyclane ester derivatives as molecular solar thermal energy storage systems on Pt(111). Journal of Chemical Physics, 2023, 159, .	3.0	5
26	Tailoring the Selectivity of 1,3-Butadiene versus 1-Butene Adsorption on Pt(111) by Ultrathin Ionic Liquid Films. ACS Catalysis, 2023, 13, 10866-10877.	12.7	12
27	Bromine Adsorption and Thermal Stability on Rh(111): A Combined XPS, LEED and DFT Study. ChemPhysChem, 2023, 24, .	2.0	5
28	Understanding the Buoy Effect of Surfaceâ€Enriched Pt Complexes in Ionic Liquids: A Combined ARXPS and Pendant Drop Study**. ChemPhysChem, 2023, 24, .	2.0	10
29	A combined gas-phase dissociative ionization, dissociative electron attachment and deposition study on the potential FEBID precursor [Au(CH₃)₂Cl]₂. Beilstein Journal of Nanotechnology, 2023, 14, 1178-1199.	2.5	5
30	Benzohydroxamic acid on rutile TiO2(110)-(1Ã—1)â€“ a comparison of ultrahigh-vacuum evaporation with deposition from solution. Surface Science, 2022, 716, 121955.	1.7	5
31	Adsorption energies of porphyrins on MgO(100): An experimental benchmark for dispersion-corrected density-functional theory. Surface Science, 2022, 717, 121979.	1.7	8
32	Self-metalation of monophosphonic acid tetraphenylporphyrin on TiO2(110)-(1Ã—1). Surface Science, 2022, 717, 122005.	1.7	6
33	Temperature-dependent XPS studies on Ga-In alloys through the melting-point. Surface Science, 2022, 717, 122008.	1.7	14
34	The Effect of Ambient Conditions on the Potential Screening at Ionic Liquid â€“ Electrode Interfaces. Journal of Ionic Liquids, 2022, 2, 100019.	2.4	4
35	On the adsorption of different tetranaphthylporphyrins on Cu(111) and Ag(111). Surface Science, 2022, 720, 122047.	1.7	5
36	Nanoscale Ruthenium-Containing Deposits from Ru(CO)₄I₂via Simultaneous Focused Electron Beam-Induced Deposition and Etching in Ultrahigh Vacuum: Mask Repair in Extreme Ultraviolet Lithography and Beyond. ACS Applied Nano Materials, 2022, 5, 3855-3865.	5.4	6

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37	Onâ€Surface Metathesis of an Ionic Liquid on Ag(111). Chemistry - A European Journal, 2022, , .	3.4	5
38	Anchoring of phthalic acid on MgO(100). Surface Science, 2022, 720, 122007.	1.7	3
39	A high-resolution X-ray photoelectron spectroscopy study on the adsorption and reaction of ethylene on Rh(1 1 1). Chemical Physics Letters, 2022, 797, 139595.	2.8	4
40	Surface Chemistry of the Molecular Solar Thermal Energy Storage System 2,3â€Dicyanoâ€Norbornadiene/Quadricyclane on Ni(111). ChemPhysChem, 2022, 23, .	2.0	10
41	Accurate Determination of Adsorption-Energy Differences of Metalloporphyrins on Rutile TiO₂(110) 1 Ã— 1. Langmuir, 2022, 38, 8643-8650.	3.8	2
42	Surface Chemistry of the Molecular Solar Thermal Energy Storage System 2,3â€Dicyanoâ€Norbornadiene/Quadricyclane on Ni(111). ChemPhysChem, 2022, 23, .	2.0	1
43	Probing Surface and Interfacial Tension of Ionic Liquids in Vacuum with the Pendant Drop and Sessile Drop Method. International Journal of Molecular Sciences, 2022, 23, 13158.	4.5	9
44	Direct Correlation of Surface Tension and Surface Composition of Ionic Liquid Mixturesâ€”A Combined Vacuum Pendant Drop and Angle-Resolved X-ray Photoelectron Spectroscopy Study. Molecules, 2022, 27, 8561.	4.4	10
45	Metalation of 2HTCNPP on Ag(111) with Zn: Evidence for the Sitting atop Complex at Room Temperature. ChemPhysChem, 2021, 22, 396-403.	2.0	9
46	Enrichment effects of ionic liquid mixtures at polarized electrode interfaces monitored by potential screening. Physical Chemistry Chemical Physics, 2021, 23, 10756-10762.	2.8	8
47	Demetalation of Surface Porphyrins at the Solidâ€“Liquid Interface. Langmuir, 2021, 37, 852-857.	3.8	13
48	Surface Reactions and Electronic Structure of Carboxylic Acid Porphyrins Adsorbed on TiO₂(110). Journal of Physical Chemistry C, 2021, 125, 6708-6715.	3.2	11
49	Self-Assembled 2D-Coordination Kagome, Quadratic, and Close-Packed Hexagonal Lattices Formed from a Cyano-Functionalized Benzoporphyrin on Cu(111). Journal of Physical Chemistry C, 2021, 125, 7204-7212.	3.2	9
50	Model Catalytic Studies of the LOHC System 2,2â€²-Bipiperidine/2,2â€²-Bipyridine on Ni(111). Journal of Physical Chemistry C, 2021, 125, 8216-8223.	3.2	6
51	Wet-Chemically Prepared Porphyrin Layers on Rutile TiO2(110). Molecules, 2021, 26, 2871.	4.4	5
52	Selective Oxygen and Hydrogen Functionalization of the hâ€BN/Rh(111) Nanomesh. Chemistry - A European Journal, 2021, 27, 13172-13180.	3.4	4
53	B/N-doped carbon sheets from a new ionic liquid with excellent sorption properties for methylene blue. Journal of Ionic Liquids, 2021, 1, 100004.	2.4	4
54	Time- and Temperature-Dependent Growth Behavior of Ionic Liquids on Au(111) Studied by Atomic Force Microscopy in Ultrahigh Vacuum. Journal of Physical Chemistry C, 2021, 125, 20439-20449.	3.2	15

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55	Adsorption, Wetting, Growth, and Thermal Stability of the Protic Ionic Liquid Diethylmethylammonium Trifluoromethanesulfonate on Ag(111) and Au(111). Langmuir, 2021, 37, 11552-11560.	3.8	10
56	nâ€Butane, isoâ€Butane and 1â€Butene Adsorption on Imidazoliumâ€Based Ionic Liquids Studied with Molecular Beam Techniques. Chemistry - A European Journal, 2021, 27, 17059-17065.	3.4	5
57	Morphology dependent interaction between Co(<scp>ii</scp>)-tetraphenylporphyrin and the MgO(100) surface. Physical Chemistry Chemical Physics, 2021, 23, 2105-2116.	2.8	5
58	Surface oxidation-induced restructuring of liquid Pdâ€“Ga SCALMS model catalysts. Physical Chemistry Chemical Physics, 2021, 23, 16324-16333.	2.8	13
59	Oxygen-rich tetrahedral surface phase on high-temperature rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mn>1 mathvariant="normal">T</mml:mi></mml:msub></mml:mrow></mml:math> single crystals. Physical Review Materials, 2021, 5, .	2.7	8
60	Temperatureâ€Dependent Surface Enrichment Effects in Binary Mixtures of Fluorinated and Nonâ€Fluorinated Ionic Liquids. Chemistry - A European Journal, 2020, 26, 1117-1126.	3.4	25
61	Conformation Controls Mobility: 2Hâ€Tetranaphthylporphyrins on Cu(111). ChemPhysChem, 2020, 21, 423-427.	2.0	7
62	Oxidation induced restructuring of Rhâ€“Ga SCALMS model catalyst systems. Journal of Chemical Physics, 2020, 153, .	3.0	19
63	Growth of Multilayers of Ionic Liquids on Au(111) Investigated by Atomic Force Microscopy in Ultrahigh Vacuum. Langmuir, 2020, 36, 13670-13681.	3.8	26
64	Reaction of Hydrogen and Oxygen on h-BN. Journal of Physical Chemistry C, 2020, 124, 18141-18146.	3.2	10
65	Surface Tension and Viscosity of Binary Mixtures of the Fluorinated and Non-fluorinated Ionic Liquids [PFBMIm][PF6] and [C4C1Im][PF6] by the Pendant Drop Method and Surface Light Scattering. International Journal of Thermophysics, 2020, 41, .	2.1	27
66	Probing the Roughness of Porphyrin Thin Films with Xâ€ray Photoelectron Spectroscopy. ChemPhysChem, 2020, 21, 2293-2300.	2.0	7
67	Die dynamische Wechselwirkung von n â€Butan mit Imidazoliumâ€basierten ionischen FlÃ¼ssigkeiten. Angewandte Chemie, 2020, 132, 14536-14541.	1.5	1
68	On the Dynamic Interaction of nâ€Butane with Imidazoliumâ€Based Ionic Liquids. Angewandte Chemie - International Edition, 2020, 59, 14429-14433.	14.9	5
69	Adsorption of phenylphosphonic acid on rutile TiO2(110). Surface Science, 2020, 698, 121612.	1.7	14
70	Ethylene: Its adsorption, reaction, and coking on Pt/h-BN/Rh(111) nanocluster arrays. Journal of Chemical Physics, 2020, 152, .	3.0	10
71	Formation of Highly Ordered Molecular Porous 2D Networks from Cyanoâ€Functionalized Porphyrins on Cu(111). Chemistry - A European Journal, 2020, 26, 13408-13418.	3.4	16
72	Pronounced surface enrichment of fluorinated ionic liquids in binary mixtures with methoxy-functionalized ionic liquids. Journal of Molecular Liquids, 2020, 305, 112783.	5.1	14

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73	Atomic Force and Scanning Tunneling Microscopy of Ordered Ionic Liquid Wetting Layers from 110 K up to Room Temperature. ACS Nano, 2020, 14, 9000-9010.	15.4	37
74	Cyano-Functionalized Porphyrins on Cu(111) from One-Dimensional Wires to Two-Dimensional Molecular Frameworks: On the Role of Co-Deposited Metal Atoms. Chemistry of Materials, 2020, 32, 2114-2122.	6.9	23
75	Ptâ€“Ga Model SCALMS on Modified HOPG: Thermal Behavior and Stability in UHV and under Near-Ambient Conditions. Journal of Physical Chemistry C, 2020, 124, 2562-2573.	3.2	23
76	Model Catalytic Studies of Liquid Organic Hydrogen Carriers: Indole/Indoline/Octahydroindole on Ni(111). Journal of Physical Chemistry C, 2020, 124, 22559-22567.	3.2	20
77	On the adsorption of n-butane on alkyl imidazolium ionic liquids with different anions using a new molecular beam setup. Journal of Chemical Physics, 2020, 153, .	3.0	5
78	Controlled Catalytic Energy Release of the Norbornadiene/Quadricyclane Molecular Solar Thermal Energy Storage System on Ni(111). Journal of Physical Chemistry C, 2019, 123, 7654-7664.	3.2	29
79	Advanced and In-Situ Electron Microscopy Investigation of Phase Composition and Phase Transformation in Ga-Rh Liquid Metal Catalysts. Microscopy and Microanalysis, 2019, 25, 1878-1879.	0.5	3
80	Interfacial Reactions of Tetraphenylporphyrin with Cobaltâ€Oxide Thin Films. Chemistry - A European Journal, 2019, 25, 13197-13201.	3.4	16
81	Adsorption geometry of carboxylic acid functionalized porphyrin molecules on TiO2(110). Surface Science, 2019, 689, 121462.	1.7	15
82	Dehydrogenation of the liquid organic hydrogen carrier system 2-methylindole/2-methylindoline/2-methyloctahydroindole on Pt(111). Journal of Chemical Physics, 2019, 151, .	3.0	28
83	Potential Screening at Electrode/Ionic Liquid Interfaces from In Situ Xâ€ray Photoelectron Spectroscopy. ChemistryOpen, 2019, 8, 1365-1368.	2.7	13
84	Highly Effective Propane Dehydrogenation Using Gaâ€“Rh Supported Catalytically Active Liquid Metal Solutions. ACS Catalysis, 2019, 9, 9499-9507.	12.7	121
85	GitterÃ¶ffnung durch reduktive kovalente Volumenâ€Funktionalisierung von schwarzem Phosphor. Angewandte Chemie, 2019, 131, 5820-5826.	1.5	12
86	Lattice Opening upon Bulk Reductive Covalent Functionalization of Black Phosphorus. Angewandte Chemie - International Edition, 2019, 58, 5763-5768.	14.9	68
87	Surface chemistry of 2,3-dibromosubstituted norbornadiene/quadricyclane as molecular solar thermal energy storage system on Ni(111). Journal of Chemical Physics, 2019, 150, .	3.0	19
88	Adsorption of Phosphonic-Acid-Functionalized Porphyrin Molecules on TiO₂(110). Journal of Physical Chemistry C, 2019, 123, 10974-10980.	3.2	23
89	Oxygen Functionalization of Hexagonal Boron Nitride on Ni(111). Chemistry - A European Journal, 2019, 25, 8884-8893.	3.4	13
90	Few layer 2D pnictogens catalyze the alkylation of soft nucleophiles with esters. Nature Communications, 2019, 10, .	14.2	71

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91	Stability and Exchange Processes in Ionic Liquid/Porphyrin Composite Films on Metal Surfaces. Journal of Physical Chemistry C, 2019, 123, 29708-29721.	3.2	11
92	General and selective deoxygenation by hydrogen using a reusable earth-abundant metal catalyst. Science Advances, 2019, 5, .	11.5	50
93	Growth and stability of Pt nanoclusters from 1 to 50 atoms on h-BN/Rh(111). Physical Chemistry Chemical Physics, 2019, 21, 21287-21295.	2.8	18
94	Cation Exchange at the Interfaces of Ultrathin Films of Fluorous Ionic Liquids on Ag(111). Langmuir, 2019, 35, 398-405.	3.8	23
95	Surface behavior of low-temperature molten salt mixtures during the transition from liquid to solid. Journal of Molecular Liquids, 2019, 275, 290-296.	5.1	4
96	Reactions of a Polyhalide Ionic Liquid with Copper, Silver, and Gold. ChemistryOpen, 2019, 8, 15-22.	2.7	19
97	Probing the Surface Tension of Ionic Liquids Using the Langmuir Principle. Langmuir, 2018, 34, 4408-4416.	3.8	43
98	Surface Enrichment in Equimolar Mixtures of Nonâ€Functionalized and Functionalized Imidazoliumâ€Based Ionic Liquids. ChemPhysChem, 2018, 19, 1733-1745.	2.0	25
99	Reactivity of CO and C₂H₄ on Bimetallic Pt_xAg_{1â€x}/Pt(111) Surface Alloys Investigated by Highâ€Resolution Xâ€ray Photoelectron Spectroscopy. ChemPhysChem, 2018, 19, 1432-1440.	2.0	5
100	Covalent Anchoring and Interfacial Reactions of Adsorbed Porphyrins on Rutile TiO₂(110). Journal of Physical Chemistry C, 2018, 122, 4480-4487.	3.2	30
101	Dehydrogenation of the Liquid Organic Hydrogen Carrier System Indole/Indoline/Octahydroindole on Pt(111). Journal of Physical Chemistry C, 2018, 122, 4470-4479.	3.2	45
102	Identifying the Thermal Decomposition Mechanism of Guaiacol on Pt(111): An Integrated X-ray Photoelectron Spectroscopy and Density Functional Theory Study. Journal of Physical Chemistry C, 2018, 122, 4261-4273.	3.2	7
103	Reactivity studies of ethylene, benzene and cyclohexane on carbide-modified Mo(110) using high resolution X-ray photoelectron spectroscopy. Surface Science, 2018, 678, 11-19.	1.7	6
104	Kontrolle der Selbstmetallierungsrate von Tetraphenylporphyrinen auf Cu(111) durch Funktionalisierung mit Cyangruppen. Angewandte Chemie, 2018, 130, 10230-10236.	1.5	8
105	Controlling the Selfâ€Metalation Rate of Tetraphenylporphyrins on Cu(111) via Cyano Functionalization. Angewandte Chemie - International Edition, 2018, 57, 10074-10079.	14.9	31
106	Frontispiz: Kontrolle der Selbstmetallierungsrate von Tetraphenylporphyrinen auf Cu(111) durch Funktionalisierung mit Cyangruppen. Angewandte Chemie, 2018, 130, .	1.5	0
107	A HR-XPS study of the formation of h-BN on Ni(111) from the two precursors, ammonia borane and borazine. Journal of Chemical Physics, 2018, 149, .	3.0	31
108	Metalation and coordination reactions of 2H-meso-trans-di(p-cyanophenyl)porphyrin on Ag(111) with coadsorbed cobalt atoms. Physical Chemistry Chemical Physics, 2018, 20, 25062-25068.	2.8	7

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109	Anion Exchange at the Liquid/Solid Interface of Ultrathin Ionic Liquid Films on Ag(111). ChemPhysChem, 2018, 19, 2978-2984.	2.0	28
110	Reactivity of CO on Sulfur-Passivated Graphene-Supported Platinum Nanocluster Arrays. Journal of Physical Chemistry C, 2018, 122, 16008-16015.	3.2	8
111	Physical vapor deposition of Ga on polycrystalline Au surfaces studied using X-ray photoelectron spectroscopy. Surface Science, 2018, 677, 254-257.	1.7	9
112	Time-dependent changes in the growth of ultrathin ionic liquid films on Ag(111). Physical Chemistry Chemical Physics, 2018, 20, 12929-12938.	2.8	39
113	Sulfur oxidation on graphene-supported platinum nanocluster arrays. Chemical Physics Letters, 2018, 708, 165-169.	2.8	2
114	Bimetallic Pdâ€“Pt alloy nanocluster arrays on graphene/Rh(111): formation, stability, and dynamics. Physical Chemistry Chemical Physics, 2018, 20, 21294-21301.	2.8	8
115	Reactivity of CO on Sulfur-Passivated Graphene-Supported Palladium Nanocluster Arrays. Journal of Physical Chemistry C, 2017, 121, 1734-1741.	3.2	2
116	Growth of Stable Surface Oxides on Pt(111) at Nearâ€Ambient Pressures. Angewandte Chemie - International Edition, 2017, 56, 2594-2598.	14.9	57
117	Surface Reaction of CO on Carbide-Modified Mo(110). Journal of Physical Chemistry C, 2017, 121, 3133-3142.	3.2	2
118	Adsorption Structure of Cobalt Tetraphenylporphyrin on Ag(100). Journal of Physical Chemistry C, 2017, 121, 5667-5674.	3.2	21
119	Surface-Induced Changes in the Thermochromic Transformation of an Ionic Liquid Cobalt Thiocyanate Complex. Journal of Physical Chemistry Letters, 2017, 8, 1137-1141.	4.6	18
120	Perspective: Chemical reactions in ionic liquids monitored through the gas (vacuum)/liquid interface. Journal of Chemical Physics, 2017, 146, .	3.0	22
121	Catalytically Triggered Energy Release from Strained Organic Molecules: The Surface Chemistry of Quadricyclane and Norbornadiene on Pt(111). Chemistry - A European Journal, 2017, 23, 1613-1622.	3.4	36
122	Photochemical Energy Storage and Electrochemically Triggered Energy Release in the Norbornadieneâ€“Quadricyclane System: UVÂPhotochemistry and IR Spectroelectrochemistry in a Combined Experiment. Journal of Physical Chemistry Letters, 2017, 8, 2819-2825.	4.6	71
123	Interfacial interactions between CoTPP molecules and MgO(100) thin films. Physical Chemistry Chemical Physics, 2017, 19, 11549-11553.	2.8	9
124	Focused electron beam based direct-write fabrication of graphene and amorphous carbon from oxo-functionalized graphene on silicon dioxide. Physical Chemistry Chemical Physics, 2017, 19, 2683-2686.	2.8	4
125	Adsorption Behavior of a Cyano-Functionalized Porphyrin on Cu(111) and Ag(111): From Molecular Wires to Ordered Supramolecular Two-Dimensional Aggregates. Journal of Physical Chemistry C, 2017, 121, 26361-26371.	3.2	36
126	Spectroscopic Observation and Molecular Dynamics Simulation of Ga Surface Segregation in Liquid Pdâ€“Ga Alloys. Chemistry - A European Journal, 2017, 23, 17701-17706.	3.4	24

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127	On the critical role of the substrate: the adsorption behaviour of tetrabenzoporphyrins on different metal surfaces. Physical Chemistry Chemical Physics, 2017, 19, 20281-20289.	2.8	17
128	Gallium-rich Pdâ€“Ga phases as supported liquid metal catalysts. Nature Chemistry, 2017, 9, 862-867.	18.5	344
129	Removing photoemission features from Auger-yield NEXAFS spectra. Journal of Electron Spectroscopy and Related Phenomena, 2017, 218, 35-39.	1.4	9
130	â€œInvertedâ€•porphyrins: a distorted adsorption geometry of free-base porphyrins on Cu(111). Chemical Communications, 2017, 53, 8207-8210.	4.2	45
131	Hydrogenation and hydrogen intercalation of hexagonal boron nitride on Ni(1â€‰1â€‰1): reactivity and electronic structure. 2D Materials, 2017, 4, 035026.	4.3	31
132	On the platinum-oxide formation under gas-phase and electrochemical conditions. Journal of Electron Spectroscopy and Related Phenomena, 2017, 221, 44-57.	1.4	15
133	Overcoming Interfacial Losses in Solutionâ€Processed Organic Multiâ€Junction Solar Cells. Advanced Energy Materials, 2017, 7, .	22.4	43
134	Zinc Porphyrin Metalâ€Center Exchange at the Solidâ€“Liquid Interface. Chemistry - A European Journal, 2016, 22, 8520-8524.	3.4	26
135	Pyridine on flat Pt(111) and stepped Pt(355)â€”An in situ HRXPS investigation of adsorption and thermal evolution. Journal of Chemical Physics, 2016, 144, .	3.0	10
136	Dual analyzer system for surface analysis dedicated for angle-resolved photoelectron spectroscopy at liquid surfaces and interfaces. Review of Scientific Instruments, 2016, 87, .	1.6	39
137	Reversible thermally induced phase transition in ordered domains of Co(II)-5,10,15,20-tetrakis-(3,5-di-tert-butylphenyl)-porphyrin on Cu(111). Surface Science, 2016, 650, 255-262.	1.7	1
138	Boosting the Activity in Supported Ionic Liquid-Phase-Catalyzed Hydroformylation via Surface Functionalization of the Carbon Support. ACS Catalysis, 2016, 6, 2280-2286.	12.7	36
139	Photoinduced degradation of methylammonium lead triiodide perovskite semiconductors. Journal of Materials Chemistry A, 2016, 4, 15896-15903.	9.3	160
140	Switching adsorption and growth behavior of ultrathin [C₂C₁Im][OTf] films on Au(111) by Pd deposition. Physical Chemistry Chemical Physics, 2016, 18, 25143-25150.	2.8	24
141	Hungry Porphyrins: Protonation and Selfâ€Metalation of Tetraphenylporphyrin on TiO₂(110)â€‰Â— 1. ChemistrySelect, 2016, 1, 6103-6105.	1.7	32
142	Energy Storage in Strained Organic Molecules: (Spectro)Electrochemical Characterization of Norbornadiene and Quadricyclane. ChemSusChem, 2016, 9, 1424-1432.	6.3	64
143	Porphyrin Metalation at MgO Surfaces: A Spectroscopic and Quantum Mechanical Study on Complementary Model Systems. Chemistry - A European Journal, 2016, 22, 1744-1749.	3.4	38
144	Surface enrichment of Pt in Ga2O3 films grown on liquid Pt/Ga alloys. Surface Science, 2016, 651, 16-21.	1.7	29

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145	Thermally stable bis(trifluoromethylsulfonyl)imide salts and their mixtures. New Journal of Chemistry, 2016, 40, 7157-7161.	2.5	28
146	2Hâ€Tetrakis(3,5â€diâ€tertâ€butyl)phenylporphyrin on a Cu(110) Surface: Roomâ€Temperature Selfâ€Metalation and Surfaceâ€Reconstructionâ€Facilitated Selfâ€Assembly. Chemistry - A European Journal, 2016, 22, 3347-3354.	3.4	6
147	Keeping argon under a graphene lidâ€”Argon intercalation between graphene and nickel(111). Surface Science, 2016, 643, 222-226.	1.7	15
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