

# Hans-Peter Steinrck

## 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.

422 papers	17,058 citations	70 h-index	111 g-index
445 ext. papers	18,450 ext. citations	5 avg, IF	6.63 L-index

#	Paper	IF	Citations
422	The Effect of Ambient Conditions on the Potential Screening at Ionic Liquid  Electrode Interfaces. <i>Journal of Ionic Liquids</i> , <b>2022</b> , 2, 100019		
421	On the adsorption of different tetranaphthylporphyrins on Cu(111) and Ag(111). <i>Surface Science</i> , <b>2022</b> , 720, 122047	1.8	0
420	Self-metalation of monophosphonic acid tetraphenylporphyrin on TiO <sub>2</sub> (110)-(1×1). <i>Surface Science</i> , <b>2022</b> , 717, 122005	1.8	0
419	Temperature-dependent XPS studies on Ga-In alloys through the melting-point. <i>Surface Science</i> , <b>2022</b> , 717, 122008	1.8	0
418	Nanoscale Ruthenium-Containing Deposits from Ru(CO) <sub>4</sub> I <sub>2</sub> via Simultaneous Focused Electron Beam-Induced Deposition and Etching in Ultrahigh Vacuum: Mask Repair in Extreme Ultraviolet Lithography and Beyond. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 3855-3865	5.6	1
417	Anchoring of phthalic acid on MgO(100). <i>Surface Science</i> , <b>2022</b> , 720, 122007	1.8	0
416	A high-resolution X-ray photoelectron spectroscopy study on the adsorption and reaction of ethylene on Rh(1 1 1). <i>Chemical Physics Letters</i> , <b>2022</b> , 797, 139595	2.5	
415	Adsorption energies of porphyrins on MgO(100): An experimental benchmark for dispersion-corrected density-functional theory. <i>Surface Science</i> , <b>2021</b> , 717, 121979	1.8	3
414	Self-Assembled 2D-Coordination Kagome, Quadratic, and Close-Packed Hexagonal Lattices Formed from a Cyano-Functionalized Benzoporphyrin on Cu(111). <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 7204-7212 <sup>4</sup>	3.8	1
413	Model Catalytic Studies of the LOHC System 2,2'-Bipiperidine/2,2'-Bipyridine on Ni(111). <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 8216-8223	3.8	1
412	Wet-Chemically Prepared Porphyrin Layers on Rutile TiO(110). <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
411	Key Parameters for the Synthesis of Active and Selective Nanostructured 3d Metal Catalysts Starting from Coordination Compounds  Case Study: Nickel Mediated Reductive Amination. <i>ChemCatChem</i> , <b>2021</b> , 13, 3257-3261	5.2	2
410	Metalation of 2HTCNPP on Ag(111) with Zn: Evidence for the Sitting atop Complex at Room Temperature. <i>ChemPhysChem</i> , <b>2021</b> , 22, 396-403	3.2	3
409	Enrichment effects of ionic liquid mixtures at polarized electrode interfaces monitored by potential screening. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 10756-10762	3.6	3
408	Demetalation of Surface Porphyrins at the Solid-Liquid Interface. <i>Langmuir</i> , <b>2021</b> , 37, 852-857	4	3
407	Surface Reactions and Electronic Structure of Carboxylic Acid Porphyrins Adsorbed on TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 6708-6715	3.8	5
406	Selective Oxygen and Hydrogen Functionalization of the h-BN/Rh(111) Nanomesh. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13172-13180	4.8	1

405	B/N-doped carbon sheets from a new ionic liquid with excellent sorption properties for methylene blue. <i>Journal of Ionic Liquids</i> , <b>2021</b> , 1, 100004		0
404	Time- and Temperature-Dependent Growth Behavior of Ionic Liquids on Au(111) Studied by Atomic Force Microscopy in Ultrahigh Vacuum. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 20439-20449	3.8	1
403	Adsorption, Wetting, Growth, and Thermal Stability of the Protic Ionic Liquid Diethylmethylammonium Trifluoromethanesulfonate on Ag(111) and Au(111). <i>Langmuir</i> , <b>2021</b> , 37, 11554-11560	4.1	8
402	Reactivity and Passivation of Fe Nanoclusters on h-BN/Rh(111). <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 17087-17093	4.8	
401	n-Butane, iso-Butane and 1-Butene Adsorption on Imidazolium-Based Ionic Liquids Studied with Molecular Beam Techniques. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 17059-17065	4.8	
400	Benzohydroxamic Acid on Rutile TiO <sub>2</sub> (110)-(111): A Comparison of Ultrahigh-Vacuum Evaporation with Deposition from Solution. <i>Surface Science</i> , <b>2021</b> , 716, 121955	1.8	1
399	Morphology dependent interaction between Co(II)-tetraphenylporphyrin and the MgO(100) surface. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 2105-2116	3.6	3
398	Surface oxidation-induced restructuring of liquid Pd-Ga SCALMS model catalysts. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 16324-16333	3.6	1
397	Die dynamische Wechselwirkung von n-Butan mit Imidazolium-basierten ionischen Flüssigkeiten. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14536-14541	3.6	1
396	On the Dynamic Interaction of n-Butane with Imidazolium-Based Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14429-14433	16.4	5
395	Adsorption of phenylphosphonic acid on rutile TiO <sub>2</sub> (110). <i>Surface Science</i> , <b>2020</b> , 698, 121612	1.8	4
394	Ethylene: Its adsorption, reaction, and coking on Pt/h-BN/Rh(111) nanocluster arrays. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 224710	3.9	4
393	Formation of Highly Ordered Molecular Porous 2D Networks from Cyano-Functionalized Porphyrins on Cu(111). <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13408-13418	4.8	7
392	Pronounced surface enrichment of fluorinated ionic liquids in binary mixtures with methoxy-functionalized ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 305, 112783	6	4
391	Atomic Force and Scanning Tunneling Microscopy of Ordered Ionic Liquid Wetting Layers from 110 K up to Room Temperature. <i>ACS Nano</i> , <b>2020</b> , 14, 9000-9010	16.7	10
390	Cyano-Functionalized Porphyrins on Cu(111) from One-Dimensional Wires to Two-Dimensional Molecular Frameworks: On the Role of Co-Deposited Metal Atoms. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2114-2122	9.6	8
389	Pt-Ga Model SCALMS on Modified HOPG: Thermal Behavior and Stability in UHV and under Near-Ambient Conditions. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 2562-2573	3.8	9
388	Model Catalytic Studies of Liquid Organic Hydrogen Carriers: Indole/Indoline/Octahydroindole on Ni(111). <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 22559-22567	3.8	4

387	On the adsorption of n-butane on alkyl imidazolium ionic liquids with different anions using a new molecular beam setup. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 214706	3.9	1
386	Conformation Controls Mobility: 2H-Tetranaphthylporphyrins on Cu(111). <i>ChemPhysChem</i> , <b>2020</b> , 21, 423-427	3.2	2
385	Oxidation induced restructuring of Rh-Ga SCALMS model catalyst systems. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 104702	3.9	4
384	Growth of Multilayers of Ionic Liquids on Au(111) Investigated by Atomic Force Microscopy in Ultrahigh Vacuum. <i>Langmuir</i> , <b>2020</b> , 36, 13670-13681	4	5
383	Ultrathin ionic liquid films on metal surfaces: adsorption, growth, stability and exchange phenomena. <i>Advances in Physics: X</i> , <b>2020</b> , 5, 1761266	5.1	14
382	Reaction of Hydrogen and Oxygen on h-BN. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 18141-18146	3.8	4
381	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. <i>International Journal of Thermophysics</i> , <b>2020</b> , 41, 1	2.1	6
380	Probing the Roughness of Porphyrin Thin Films with X-ray Photoelectron Spectroscopy. <i>ChemPhysChem</i> , <b>2020</b> , 21, 2293-2300	3.2	2
379	Temperature-Dependent Surface Enrichment Effects in Binary Mixtures of Fluorinated and Non-Fluorinated Ionic Liquids. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 1117-1126	4.8	7
378	Revisiting surface core-level shifts for ionic compounds. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	13
377	Highly Effective Propane Dehydrogenation Using Ga-Rh Supported Catalytically Active Liquid Metal Solutions. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9499-9507	13.1	36
376	Gitteröffnung durch reduktive kovalente Volumen-Funktionalisierung von schwarzem Phosphor. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5820-5826	3.6	10
375	Lattice Opening upon Bulk Reductive Covalent Functionalization of Black Phosphorus. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5763-5768	16.4	42
374	Surface chemistry of 2,3-dibromosubstituted norbornadiene/quadricyclane as molecular solar thermal energy storage system on Ni(111). <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 184706	3.9	10
373	Adsorption of Phosphonic-Acid-Functionalized Porphyrin Molecules on TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 10974-10980	3.8	10
372	Oxygen Functionalization of Hexagonal Boron Nitride on Ni(111). <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 8884-8893	4.8	4
371	Few layer 2D pnictogens catalyze the alkylation of soft nucleophiles with esters. <i>Nature Communications</i> , <b>2019</b> , 10, 509	17.4	45
370	Controlled Catalytic Energy Release of the Norbornadiene/Quadricyclane Molecular Solar Thermal Energy Storage System on Ni(111). <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 7654-7664	3.8	14

369	Advanced and In-Situ Electron Microscopy Investigation of Phase Composition and Phase Transformation in Ga-Rh Liquid Metal Catalysts. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1878-1879	0.5	1
368	Interfacial Reactions of Tetraphenylporphyrin with Cobalt-Oxide Thin Films. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13197-13201	4.8	14
367	Adsorption geometry of carboxylic acid functionalized porphyrin molecules on TiO <sub>2</sub> (110). <i>Surface Science</i> , <b>2019</b> , 689, 121462	1.8	12
366	Dehydrogenation of the liquid organic hydrogen carrier system 2-methylindole/2-methylindoline/2-methyloctahydroindole on Pt(111). <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 144711	3.9	10
365	Potential Screening at Electrode/Ionic Liquid Interfaces from In Situ X-ray Photoelectron Spectroscopy. <i>ChemistryOpen</i> , <b>2019</b> , 8, 1365-1368	2.3	5
364	Pt Nanoclusters Sandwiched between Hexagonal Boron Nitride and Nanographene as van der Waals Heterostructures for Optoelectronics. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 7019-7024	5.6	5
363	Stability and Exchange Processes in Ionic Liquid/Porphyrin Composite Films on Metal Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 29708-29721	3.8	4
362	General and selective deoxygenation by hydrogen using a reusable earth-abundant metal catalyst. <i>Science Advances</i> , <b>2019</b> , 5, eaav3680	14.3	14
361	Growth and stability of Pt nanoclusters from 1 to 50 atoms on h-BN/Rh(111). <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 21287-21295	3.6	5
360	Cation Exchange at the Interfaces of Ultrathin Films of Fluorous Ionic Liquids on Ag(111). <i>Langmuir</i> , <b>2019</b> , 35, 398-405	4	15
359	Surface behavior of low-temperature molten salt mixtures during the transition from liquid to solid. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 275, 290-296	6	2
358	Reactions of a Polyhalide Ionic Liquid with Copper, Silver, and Gold. <i>ChemistryOpen</i> , <b>2019</b> , 8, 15-22	2.3	8
357	Probing the Surface Tension of Ionic Liquids Using the Langmuir Principle. <i>Langmuir</i> , <b>2018</b> , 34, 4408-4416	4	23
356	Surface Enrichment in Equimolar Mixtures of Non-Functionalized and Functionalized Imidazolium-Based Ionic Liquids. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1733-1745	3.2	13
355	Reactivity of CO and C H on Bimetallic Pt Ag /Pt(111) Surface Alloys Investigated by High-Resolution X-ray Photoelectron Spectroscopy. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1432-1440	3.2	1
354	Covalent Anchoring and Interfacial Reactions of Adsorbed Porphyrins on Rutile TiO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 4480-4487	3.8	24
353	Dehydrogenation of the Liquid Organic Hydrogen Carrier System Indole/Indoline/Octahydroindole on Pt(111). <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 4470-4479	3.8	27
352	Identifying the Thermal Decomposition Mechanism of Guaiacol on Pt(111): An Integrated X-ray Photoelectron Spectroscopy and Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 4261-4273	3.8	4

351	Reactivity studies of ethylene, benzene and cyclohexane on carbide-modified Mo(110) using high resolution X-ray photoelectron spectroscopy. <i>Surface Science</i> , <b>2018</b> , 678, 11-19	1.8	4
350	Kontrolle der Selbstmetallierungsrate von Tetraphenylporphyrinen auf Cu(111) durch Funktionalisierung mit Cyangruppen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10230-10236	3.6	8
349	Controlling the Self-Metalation Rate of Tetraphenylporphyrins on Cu(111) via Cyano Functionalization. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10074-10079	16.4	21
348	Reactivity of CO and C <sub>2</sub> H <sub>4</sub> on Bimetallic Pt <sub>x</sub> Ag <sub>1-x</sub> /Pt(111) Surface Alloys Investigated by High-Resolution X-ray Photoelectron Spectroscopy. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1423-1423	3.2	
347	Physical vapor deposition of Ga on polycrystalline Au surfaces studied using X-ray photoelectron spectroscopy. <i>Surface Science</i> , <b>2018</b> , 677, 254-257	1.8	6
346	Time-dependent changes in the growth of ultrathin ionic liquid films on Ag(111). <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 12929-12938	3.6	18
345	Sulfur oxidation on graphene-supported platinum nanocluster arrays. <i>Chemical Physics Letters</i> , <b>2018</b> , 708, 165-169	2.5	1
344	Bimetallic Pd-Pt alloy nanocluster arrays on graphene/Rh(111): formation, stability, and dynamics. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 21294-21301	3.6	5
343	A HR-XPS study of the formation of h-BN on Ni(111) from the two precursors, ammonia borane and borazine. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 164709	3.9	12
342	Solving the Puzzle of the Coexistence of Different Adsorption Geometries of Graphene on Ni(111). <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 26105-26110	3.8	6
341	Metalation and coordination reactions of 2H-meso-trans-di(p-cyanophenyl)porphyrin on Ag(111) with coadsorbed cobalt atoms. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 25062-25068	3.6	5
340	Anion Exchange at the Liquid/Solid Interface of Ultrathin Ionic Liquid Films on Ag(111). <i>ChemPhysChem</i> , <b>2018</b> , 19, 2978-2984	3.2	16
339	Reactivity of CO on Sulfur-Passivated Graphene-Supported Platinum Nanocluster Arrays. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 16008-16015	3.8	6
338	Reactivity of CO on Sulfur-Passivated Graphene-Supported Palladium Nanocluster Arrays. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 1734-1741	3.8	2
337	Growth of Stable Surface Oxides on Pt(111) at Near-Ambient Pressures. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2594-2598	16.4	35
336	Surface Reaction of CO on Carbide-Modified Mo(110). <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 3133-3142	3.8	1
335	Adsorption Structure of Cobalt Tetraphenylporphyrin on Ag(100). <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 5667-5674	3.8	15
334	Surface-Induced Changes in the Thermochromic Transformation of an Ionic Liquid Cobalt Thiocyanate Complex. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 1137-1141	6.4	12

333	Perspective: Chemical reactions in ionic liquids monitored through the gas (vacuum)/liquid interface. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 170901	3.9	14
332	Catalytically Triggered Energy Release from Strained Organic Molecules: The Surface Chemistry of Quadricyclane and Norbornadiene on Pt(111). <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 1613-1622	4.8	20
331	Decoupling of graphene from Ni(111) via formation of an interfacial NiO layer. <i>Carbon</i> , <b>2017</b> , 121, 10-16	10.4	30
330	Photochemical Energy Storage and Electrochemically Triggered Energy Release in the Norbornadiene-Quadricyclane System: UV-Photochemistry and IR Spectroelectrochemistry in a Combined Experiment. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2819-2825	6.4	37
329	Interfacial interactions between CoTPP molecules and MgO(100) thin films. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 11549-11553	3.6	7
328	Liquid Organic Hydrogen Carriers (LOHCs): Toward a Hydrogen-free Hydrogen Economy. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 74-85	24.3	383
327	From Flat Surfaces to Nanoparticles: In Situ Studies of the Reactivity of Model Catalysts. <i>Catalysis Letters</i> , <b>2017</b> , 147, 2-19	2.8	17
326	Focused electron beam based direct-write fabrication of graphene and amorphous carbon from oxo-functionalized graphene on silicon dioxide. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 2683-2686	3.6	3
325	Adsorption Behavior of a Cyano-Functionalized Porphyrin on Cu(111) and Ag(111): From Molecular Wires to Ordered Supramolecular Two-Dimensional Aggregates. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 26361-26371	3.8	25
324	Spectroscopic Observation and Molecular Dynamics Simulation of Ga Surface Segregation in Liquid Pd-Ga Alloys. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 17701-17706	4.8	14
323	On the critical role of the substrate: the adsorption behaviour of tetrabenzoporphyrins on different metal surfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 20281-20289	3.6	10
322	Gallium-rich Pd-Ga phases as supported liquid metal catalysts. <i>Nature Chemistry</i> , <b>2017</b> , 9, 862-867	17.6	140
321	Removing photoemission features from Auger-yield NEXAFS spectra. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2017</b> , 218, 35-39	1.7	5
320	"Inverted" porphyrins: a distorted adsorption geometry of free-base porphyrins on Cu(111). <i>Chemical Communications</i> , <b>2017</b> , 53, 8207-8210	5.8	31
319	Model Catalytic Studies of Novel Liquid Organic Hydrogen Carriers: Indole, Indoline and Octahydroindole on Pt(111). <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14806-14818	4.8	18
318	A generic interface to reduce the efficiency-stability-cost gap of perovskite solar cells. <i>Science</i> , <b>2017</b> , 358, 1192-1197	33.3	418
317	Hydrogenation and hydrogen intercalation of hexagonal boron nitride on Ni(1 1 1): reactivity and electronic structure. <i>2D Materials</i> , <b>2017</b> , 4, 035026	5.9	22
316	On the platinum-oxide formation under gas-phase and electrochemical conditions. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2017</b> , 221, 44-57	1.7	10

315	Overcoming Interfacial Losses in Solution-Processed Organic Multi-Junction Solar Cells. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601959	21.8	34
314	Reactivity of TiO <sub>2</sub> Nanotube-Supported Platinum Particles in the CO Oxidation Reaction. <i>ChemCatChem</i> , <b>2017</b> , 9, 564-572	5.2	8
313	Organic linkers on oxide surfaces: Adsorption and chemical bonding of phthalic anhydride on MgO(100). <i>Surface Science</i> , <b>2016</b> , 646, 90-100	1.8	6
312	Switching adsorption and growth behavior of ultrathin [CCIm][OTf] films on Au(111) by Pd deposition. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 25143-25150	3.6	15
311	Adsorption of (Small) Molecules on Metals <b>2016</b> , 391-458		
310	Hungry Porphyrins: Protonation and Self-Metalation of Tetraphenylporphyrin on TiO <sub>2</sub> (110) - 1. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6103-6105	1.8	27
309	Energy Storage in Strained Organic Molecules: (Spectro)Electrochemical Characterization of Norbornadiene and Quadricyclane. <i>ChemSusChem</i> , <b>2016</b> , 9, 1424-32	8.3	43
308	Porphyrin Metalation at MgO Surfaces: A Spectroscopic and Quantum Mechanical Study on Complementary Model Systems. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1744-9	4.8	32
307	Surface enrichment of Pt in Ga <sub>2</sub> O <sub>3</sub> films grown on liquid Pt/Ga alloys. <i>Surface Science</i> , <b>2016</b> , 651, 16-21	1.8	12
306	Thermally stable bis(trifluoromethylsulfonyl)imide salts and their mixtures. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 7157-7161	3.6	23
305	2H-Tetrakis(3,5-di-tert-butyl)phenylporphyrin on a Cu(110) Surface: Room-Temperature Self-Metalation and Surface-Reconstruction-Facilitated Self-Assembly. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 3347-3354	4.8	5
304	Keeping argon under a graphene lid: Argon intercalation between graphene and nickel(111). <i>Surface Science</i> , <b>2016</b> , 643, 222-226	1.8	11
303	Dicyclohexylmethane as a Liquid Organic Hydrogen Carrier: A Model Study on the Dehydrogenation Mechanism over Pd(111). <i>Catalysis Letters</i> , <b>2016</b> , 146, 851-860	2.8	12
302	Industrially scalable and cost-effective Mn <sup>2+</sup> doped ZnxCd <sub>1-x</sub> S/ZnS nanocrystals with 70% photoluminescence quantum yield, as efficient down-shifting materials in photovoltaics. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1083-1094	35.4	53
301	Zinc Porphyrin Metal-Center Exchange at the Solid-Liquid Interface. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 8520-4	4.8	17
300	CO oxidation on Pt(111) at near ambient pressures. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 044706	3.9	29
299	Pyridine on flat Pt(111) and stepped Pt(355)--An in situ HRXPS investigation of adsorption and thermal evolution. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 014702	3.9	8
298	Dual analyzer system for surface analysis dedicated for angle-resolved photoelectron spectroscopy at liquid surfaces and interfaces. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 045105	1.7	19

297	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). <i>Surface Science</i> , <b>2016</b> , 650, 255-262	1.8	1
296	Boosting the Activity in Supported Ionic Liquid-Phase-Catalyzed Hydroformylation via Surface Functionalization of the Carbon Support. <i>ACS Catalysis</i> , <b>2016</b> , 6, 2280-2286	13.1	21
295	Photoinduced degradation of methylammonium lead triiodide perovskite semiconductors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15896-15903	13	92
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16	The adsorption of H <sub>2</sub> O on clean and oxygen precovered Ni(111) studied by ARUPS and TPD. <i>Surface Science</i> , <b>1989</b> , 224, 195-214	1.8	63
15	Highly efficient dissociation of condensed and adsorbed water via core-to-bound excitation. <i>Chemical Physics Letters</i> , <b>1988</b> , 148, 371-376	2.5	42
14	The dynamics of the dissociative adsorption of alkanes on Ir(110). <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 6506-6514	3.9	86
13	Summary Abstract: The dynamics of alkane activation on Ni(100) and Ir(110). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1987</b> , 5, 520-521	2.9	
12	The role of surface defects in the adsorption and desorption of hydrogen on Ni(111). <i>Surface Science</i> , <b>1987</b> , 185, 469-478	1.8	62
11	The interaction of CO and Ar molecular beams with Ir(110). <i>Surface Science</i> , <b>1987</b> , 185, 36-52	1.8	42
10	Precursors and trapping in the molecular chemisorption of CO on Ni(100). <i>Surface Science</i> , <b>1987</b> , 180, 47-76	1.8	96

9	A test of capillary array beam sources for very large Knudsen numbers. <i>Vacuum</i> , <b>1986</b> , 36, 213-215	3.7	15
8	Activation of n-butane with translational energy on Ir(110)(1×1). <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 7494-7495	3.9	26
7	A molecular beam investigation on the kinetic energy dependence of the activation of ethane on the reconstructed Ir(110)-(1×1) surface. <i>Surface Science</i> , <b>1986</b> , 173, L571-L575	1.8	30
6	The role of defects in the dissociative adsorption of CO on Ni(100). <i>Surface Science</i> , <b>1986</b> , 172, L561-L567	1.8	37
5	Adsorption probabilities of H <sub>2</sub> and D <sub>2</sub> on various flat and stepped nickel surfaces. <i>Physical Review B</i> , <b>1985</b> , 32, 5032-5037	3.3	72
4	An accurate technique to measure angle-resolved flash desorption spectra. <i>Surface Science</i> , <b>1985</b> , 152-153, 323-327	1.8	35
3	The sticking coefficient of H <sub>2</sub> on Ni(111) as a function of particle energy and angle of incidence: A test of detailed balancing. <i>Surface Science</i> , <b>1985</b> , 154, 99-108	1.8	81
2	Features of hydrogen adsorption on a Ni(997) surface. <i>Surface Science</i> , <b>1985</b> , 163, L641-L644	1.8	25
1	Angle-resolved thermal desorption spectra for CO and H <sub>2</sub> from Ni(111), Ni(110) and polycrystalline nickel. <i>Journal of Physics C: Solid State Physics</i> , <b>1984</b> , 17, L311-L316		28