

# Christof Wll

## List of Publications by Citations

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437  
papers

24,601  
citations

84  
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139  
g-index

460  
ext. papers

26,882  
ext. citations

7.6  
avg, IF

7.3  
L-index

#	Paper	IF	Citations
437	MOF thin films: existing and future applications. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 1081-106	58.5	1048
436	Thin films of metal-organic frameworks. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 1418-29	58.5	756
435	Step-by-step route for the synthesis of metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 15118-9	16.4	707
434	The chemistry and physics of zinc oxide surfaces. <i>Progress in Surface Science</i> , <b>2007</b> , 82, 55-120	6.6	681
433	Selective nucleation and growth of metal-organic open framework thin films on patterned COOH/CF <sub>3</sub> -terminated self-assembled monolayers on Au(111). <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 13744-5	16.4	490
432	Growth of aromatic molecules on solid substrates for applications in organic electronics. <i>Journal of Materials Research</i> , <b>2004</b> , 19, 1889-1916	2.5	476
431	Controlling interpenetration in metal-organic frameworks by liquid-phase epitaxy. <i>Nature Materials</i> , <b>2009</b> , 8, 481-4	27	460
430	Surface-supported metal-organic framework thin films: fabrication methods, applications, and challenges. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 5730-5770	58.5	418
429	Growth mechanism of metal-organic frameworks: insights into the nucleation by employing a step-by-step route. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5038-41	16.4	318
428	Exchangelike effects for closed-shell adsorbates: interface dipole and work function. <i>Physical Review Letters</i> , <b>2002</b> , 89, 096104	7.4	308
427	Photocatalytic activity of bulk TiO <sub>2</sub> anatase and rutile single crystals using infrared absorption spectroscopy. <i>Physical Review Letters</i> , <b>2011</b> , 106, 138302	7.4	277
426	Surface chemistry of metal-organic frameworks at the liquid-solid interface. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 176-99	16.4	276
425	The identification of hydroxyl groups on ZnO nanoparticles by infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 7092-7	3.6	272
424	Charge-transfer-induced structural rearrangements at both sides of organic/metal interfaces. <i>Nature Chemistry</i> , <b>2010</b> , 2, 374-9	17.6	244
423	On the Importance of the Headgroup Substrate Bond in Thiol Monolayers: A Study of Biphenyl-Based Thiols on Gold and Silver. <i>Langmuir</i> , <b>2001</b> , 17, 1582-1593	4	233
422	Partial dissociation of water leads to stable superstructures on the surface of zinc oxide. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 6642-5	16.4	232
421	Organic surfaces exposed by self-assembled organothiol monolayers: Preparation, characterization, and application. <i>Progress in Surface Science</i> , <b>2009</b> , 84, 230-278	6.6	226

420	Preparation, Modification, and Crystallinity of Aliphatic and Aromatic Carboxylic Acid Terminated Self-Assembled Monolayers. <i>Langmuir</i> , <b>2002</b> , 18, 3980-3992	4	211
419	Structure of the catalytically active copper-terephthalate interfacial perimeter. <i>Nature Catalysis</i> , <b>2019</b> , 2, 334-341	36.5	210
418	Vacuum level alignment at organic/metal junctions: Cushion Effect and the interface dipole. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 263502	3.4	205
417	Photoinduced Charge-Carrier Generation in Epitaxial MOF Thin Films: High Efficiency as a Result of an Indirect Electronic Band Gap?. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7441-5	16.4	182
416	Covalent interlinking of an aldehyde and an amine on a Au(111) surface in ultrahigh vacuum. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 9227-30	16.4	180
415	High-Throughput Fabrication of Uniform and Homogenous MOF Coatings. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 4228-4231	15.6	179
414	Active sites on oxide surfaces: ZnO-catalyzed synthesis of methanol from CO and H <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 2790-2794	16.4	171
413	Enantiopure metal-organic framework thin films: oriented SURMOF growth and enantioselective adsorption. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 807-10	16.4	169
412	Selective Growth and MOCVD Loading of Small Single Crystals of MOF-5 at Alumina and Silica Surfaces Modified with Organic Self-Assembled Monolayers. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 2168-2173	9.6	164
411	Formation of oriented and patterned films of metal-organic frameworks by liquid phase epitaxy: A review. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 307, 391-424	23.2	158
410	Stability of the polar surfaces of ZnO: A reinvestigation using He-atom scattering. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	158
409	Tunable molecular separation by nanoporous membranes. <i>Nature Communications</i> , <b>2016</b> , 7, 13872	17.4	156
408	A novel series of isorecticular metal organic frameworks: realizing metastable structures by liquid phase epitaxy. <i>Scientific Reports</i> , <b>2012</b> , 2, 921	4.9	153
407	Self-Assembled Monolayers of $\pi$ -Biphenylalkanethiols on Au(111): Influence of Spacer Chain on Molecular Packing. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 4989-4996	3.4	149
406	Deprotonation-Driven Phase Transformations in Terephthalic Acid Self-Assembly on Cu(100). <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 19392-19397	3.4	148
405	Liquid-phase epitaxy of multicomponent layer-based porous coordination polymer thin films of [M(L)(P) <sub>0.5</sub> ] type: importance of deposition sequence on the oriented growth. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 1448-55	4.8	141
404	Photoswitching in two-component surface-mounted metal-organic frameworks: optically triggered release from a molecular container. <i>ACS Nano</i> , <b>2014</b> , 8, 1463-7	16.7	140
403	Self-metalation of 2H-tetraphenylporphyrin on Cu(111): an x-ray spectroscopy study. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 014705	3.9	138

402	A comprehensive study of self-assembled monolayers of anthracenethiol on gold: solvent effects, structure, and stability. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1723-32	16.4	138
401	Surface Faceting and Reconstruction of Ceria Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 375-379	16.4	136
400	The surface barrier phenomenon at the loading of metal-organic frameworks. <i>Nature Communications</i> , <b>2014</b> , 5, 4562	17.4	135
399	MOF-on-MOF heteroepitaxy: perfectly oriented [Zn <sub>2</sub> (ndc) <sub>2</sub> (dabco)] <sub>n</sub> grown on [Cu <sub>2</sub> (ndc) <sub>2</sub> (dabco)] <sub>n</sub> thin films. <i>Dalton Transactions</i> , <b>2011</b> , 40, 4954-8	4.3	134
398	Chemical activity of thin oxide layers: strong interactions with the support yield a new thin-film phase of ZnO. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11925-9	16.4	133
397	Fabrication of a Carboxyl-Terminated Organic Surface with Self-Assembly of Functionalized Terphenylthiols: The Importance of Hydrogen Bond Formation. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 12069-12074	16.4	130
396	MOF-Templated Synthesis of Ultrasmall Photoluminescent Carbon-Nanodot Arrays for Optical Applications. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6853-6858	16.4	128
395	Determination of Site Specific Adsorption Energies of CO on Copper. <i>Catalysis Letters</i> , <b>2001</b> , 77, 97-101	2.8	127
394	Bonding and Orientation in Self-Assembled Monolayers of Oligophenyldithiols on Au Substrates. <i>Langmuir</i> , <b>2002</b> , 18, 7766-7769	4	123
393	The Interaction of Water with the Oxygen-Terminated, Polar Surface of ZnO. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 14350-14356	3.4	122
392	Highly oriented MOF thin film-based electrocatalytic device for the reduction of CO <sub>2</sub> to CO exhibiting high faradaic efficiency. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15320-15326	13	121
391	A novel method to measure diffusion coefficients in porous metal-organic frameworks. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 8092-7	3.6	121
390	IR spectroscopic investigations of chemical and photochemical reactions on metal oxides: bridging the materials gap. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 1875-1932	58.5	120
389	Tuning the Work Function of Polar Zinc Oxide Surfaces using Modified Phosphonic Acid Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 7014-7024	15.6	120
388	The controlled growth of oriented metal-organic frameworks on functionalized surfaces as followed by scanning force microscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 7257-61	3.6	119
387	Molecular mechanisms of electron-induced cross-linking in aromatic SAMs. <i>Langmuir</i> , <b>2009</b> , 25, 7342-52	4	118
386	Diffusion versus desorption: complex behavior of H atoms on an oxide surface. <i>ChemPhysChem</i> , <b>2008</b> , 9, 253-6	3.2	118
385	Chemistry of SURMOFs: layer-selective installation of functional groups and post-synthetic covalent modification probed by fluorescence microscopy. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1734-7	16.4	115

384	Conformational adaptation and selective adatom capturing of tetrapyrrolyl-porphyrin molecules on a copper (111) surface. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11279-85	16.4	112
383	Coexistence of Different Structural Phases in Thioaromatic Monolayers on Au(111). <i>Langmuir</i> , <b>2003</b> , 19, 4958-4968	4	112
382	Photon Upconversion at Crystalline Organic-Organic Heterojunctions. <i>Advanced Materials</i> , <b>2016</b> , 28, 8477-8482	11.0	110
381	Structural Characterization of Organothiolate Adlayers on Gold: The Case of Rigid, Aromatic Backbones. <i>Langmuir</i> , <b>2001</b> , 17, 3689-3695	4	109
380	Nanoporous designer solids with huge lattice constant gradients: multiheteroepitaxy of metal-organic frameworks. <i>Nano Letters</i> , <b>2014</b> , 14, 1526-9	11.5	108
379	Peptide-based SAMs that resist the adsorption of proteins. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 14952-3	16.4	108
378	Ionic hydrogen bonds controlling two-dimensional supramolecular systems at a metal surface. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3900-6	4.8	108
377	Layer-by-layer growth of oriented metal organic polymers on a functionalized organic surface. <i>Langmuir</i> , <b>2007</b> , 23, 7440-2	4	108
376	Epitaxially grown metal-organic frameworks. <i>Materials Today</i> , <b>2012</b> , 15, 110-116	21.8	106
375	Growth and structure of pentacene films on graphite: Weak adhesion as a key for epitaxial film growth. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	106
374	Light-driven water splitting for (bio-)hydrogen production: photosystem 2 as the central part of a bioelectrochemical device. <i>Photochemistry and Photobiology</i> , <b>2006</b> , 82, 1385-90	3.6	106
373	Surface-mounted metal-organic frameworks for applications in sensing and separation. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 216, 200-215	5.3	105
372	Defects in MOFs: a thorough characterization. <i>ChemPhysChem</i> , <b>2012</b> , 13, 2025-9	3.2	105
371	Preparation of Freestanding Conjugated Microporous Polymer Nanomembranes for Gas Separation. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 7189-7193	9.6	104
370	Two-dimensional adatom gas bestowing dynamic heterogeneity on surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 1488-91	16.4	104
369	Magnetic Cores with Porous Coatings: Growth of Metal-Organic Frameworks on Particles Using Liquid Phase Epitaxy. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1210-1213	15.6	103
368	Fabrication of highly uniform gel coatings by the conversion of surface-anchored metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8-11	16.4	102
367	Intercalation in layered metal-organic frameworks: reversible inclusion of an extended $\pi$ system. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8158-61	16.4	102

366	The interaction of C <sub>6</sub> H <sub>6</sub> and C <sub>6</sub> H <sub>12</sub> with noble metal surfaces: electronic level alignment and the origin of the interface dipole. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 184109	3.9	97
365	Spectroscopic evidence for the partial dissociation of H <sub>2</sub> O on ZnO(1010). <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 1521-4	3.6	97
364	Advanced Photoresponsive Materials Using the Metal-Organic Framework Approach. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905227	24	95
363	Methanol synthesis over ZnO: A structure-sensitive reaction?. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 4736-4742	3.6	93
362	On the dielectric and optical properties of surface-anchored metal-organic frameworks: A study on epitaxially grown thin films. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 091903	3.4	92
361	Visualizing the frontier orbitals of a conformationally adapted metalloporphyrin. <i>ChemPhysChem</i> , <b>2008</b> , 9, 89-94	3.2	92
360	Metal-Support Interactions of Platinum Nanoparticles Decorated N-Doped Carbon Nanofibers for the Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 82-90	9.5	91
359	Epitaxial growth of pentacene films on metal surfaces. <i>ChemPhysChem</i> , <b>2004</b> , 5, 266-70	3.2	90
358	Observation of a Kohn anomaly in the surface-phonon dispersion curves of Pt(111). <i>Physical Review Letters</i> , <b>1985</b> , 55, 2308-2311	7.4	90
357	Competition as a design concept: polymorphism in self-assembled monolayers of biphenyl-based thiols. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13868-78	16.4	88
356	Molecular Orientation at Rubbed Polyimide Surfaces Determined with X-ray Absorption Spectroscopy: Relevance for Liquid Crystal Alignment. <i>Macromolecules</i> , <b>1998</b> , 31, 1930-1936	5.5	85
355	CO <sub>2</sub> activation by ZnO through the formation of an unusual tridentate surface carbonate. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 5624-7	16.4	85
354	Transparent films of metal-organic frameworks for optical applications. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 211, 82-87	5.3	84
353	Tracking the formation, fate and consequence for catalytic activity of Pt single sites on CeO <sub>2</sub> . <i>Nature Catalysis</i> , <b>2020</b> , 3, 824-833	36.5	84
352	Surface-Mounted Metal-Organic Frameworks: Crystalline and Porous Molecular Assemblies for Fundamental Insights and Advanced Applications. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806324	24	83
351	Functionalized coordination space in metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 8164-8	16.4	83
350	Redox mediation enabled by immobilised centres in the pores of a metal-organic framework grown by liquid phase epitaxy. <i>Chemical Communications</i> , <b>2012</b> , 48, 663-5	5.8	80
349	Photoswitching in nanoporous, crystalline solids: an experimental and theoretical study for azobenzene linkers incorporated in MOFs. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 14582-7	3.6	75

348	Covalent Interlinking of an Aldehyde and an Amine on a Au(111) Surface in Ultrahigh Vacuum. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 9387-9390	3.6	75
347	Determination of Molecular Orientation in Self-Assembled Monolayers Using IR Absorption Intensities: The Importance of Grinding Effects. <i>Langmuir</i> , <b>2001</b> , 17, 4980-4989	4	75
346	O Activation on Ceria Catalysts-The Importance of Substrate Crystallographic Orientation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16399-16404	16.4	74
345	Chemical Vapor Deposition and Synthesis on Carbon Nanofibers: Sintering of Ferrocene-Derived Supported Iron Nanoparticles and the Catalytic Growth of Secondary Carbon Nanofibers. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5737-5742	9.6	73
344	Carbon materials for the positive electrode in all-vanadium redox flow batteries. <i>Carbon</i> , <b>2014</b> , 78, 220-230	4	72
343	Ionization energies of shallow donor states in ZnO created by reversible formation and depletion of H interstitials. <i>Physical Review Letters</i> , <b>2008</b> , 101, 236401	7.4	72
342	Self-assembly of 1-nitronaphthalene on Au(111). <i>Surface Science</i> , <b>2000</b> , 444, 199-210	1.8	72
341	Chiral Porous Metacrystals: Employing Liquid-Phase Epitaxy to Assemble Enantiopure Metal-Organic Nanoclusters into Molecular Framework Pores. <i>ACS Nano</i> , <b>2016</b> , 10, 977-83	16.7	71
340	Mechanical properties of metal-organic frameworks: An indentation study on epitaxial thin films. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 101910	3.4	71
339	Activation of Carbon Dioxide on ZnO Nanoparticles Studied by Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 908-914	3.8	71
338	Metal-Organic Framework-Templated Biomaterials: Recent Progress in Synthesis, Functionalization, and Applications. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1598-1610	24.3	70
337	Probing electrons in TiO <sub>2</sub> polaronic trap states by IR-absorption: evidence for the existence of hydrogenic states. <i>Scientific Reports</i> , <b>2014</b> , 4, 3808	4.9	70
336	Post-synthetic modification of metal-organic framework thin films using click chemistry: the importance of strained C-C triple bonds. <i>Langmuir</i> , <b>2013</b> , 29, 15958-64	4	70
335	Structural characterization of self-assembled monolayers of pyridine-terminated thiolates on gold. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 4459-72	3.6	70
334	Stress in self-assembled monolayers: omega-biphenyl alkane thiols on Au(111). <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 10902-8	3.4	70
333	Water adsorption on the hydroxylated H-(1x1) O-ZnO(0001) surface. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 1505-12	3.6	69
332	Photoconductivity in Metal-Organic Framework (MOF) Thin Films. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9590-9595	16.4	68
331	Selenium as a key element for highly ordered aromatic self-assembled monolayers. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5250-2	16.4	68

330	Electric transport properties of surface-anchored metal-organic frameworks and the effect of ferrocene loading. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9824-30	9.5	67
329	Thermally activated dewetting of organic thin films: the case of pentacene on SiO <sub>2</sub> and gold. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 95, 273-284	2.6	67
328	A new dual-purpose ultrahigh vacuum infrared spectroscopy apparatus optimized for grazing-incidence reflection as well as for transmission geometries. <i>Review of Scientific Instruments</i> , <b>2009</b> , 80, 113108	1.7	65
327	A new class of epitaxial porphyrin metal-organic framework thin films with extremely high photocarrier generation efficiency: promising materials for all-solid-state solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12739-12747	13	64
326	Two-dimensional crystal structure of single Langmuir-Blodgett films deposited on noble metal single crystals studied with LEED. <i>Journal of Chemical Physics</i> , <b>1986</b> , 84, 5200-5204	3.9	63
325	The biocompatibility of metal-organic framework coatings: an investigation on the stability of SURMOFs with regard to water and selected cell culture media. <i>Langmuir</i> , <b>2012</b> , 28, 6877-84	4	61
324	L-Cysteine on Ag(111): A Combined STM and X-ray Spectroscopy Study of Anchorage and Deprotonation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 20356-20362	3.8	61
323	Probing the interaction of the amino acid alanine with the surface of ZnO(1010). <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 338, 16-21	9.3	61
322	The surface science approach for understanding reactions on oxide powders: the importance of IR spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 4731-4	16.4	60
321	Enantioselective adsorption in homochiral metal-organic frameworks: the pore size influence. <i>Chemical Communications</i> , <b>2015</b> , 51, 8998-9001	5.8	59
320	Deposition of Metal-Organic Frameworks by Liquid-Phase Epitaxy: The Influence of Substrate Functional Group Density on Film Orientation. <i>Materials</i> , <b>2012</b> , 5, 1581-1592	3.5	58
319	Resolving the depth coordinate in photoelectron spectroscopy [Comparison of excitation energy variation vs. angular-resolved XPS for the analysis of a self-assembled monolayer model system. <i>Surface Science</i> , <b>2008</b> , 602, 755-767	1.8	58
318	Surface properties and graphitization of polyacrylonitrile based fiber electrodes affecting the negative half-cell reaction in vanadium redox flow batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 321, 210-218	8.9	57
317	Carbon-Carbon Bond Formation on Model Titanium Oxide Surfaces: Identification of Surface Reaction Intermediates by High-Resolution Electron Energy Loss Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 9828-9834	3.8	56
316	Ruthenium Metal-Organic Frameworks with Different Defect Types: Influence on Porosity, Sorption, and Catalytic Properties. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14297-307	4.8	55
315	Molecular orientation of terephthalic acid assembly on epitaxial graphene: NEXAFS and XPS study. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 10125-31	3.6	55
314	Work function changes induced by charged adsorbates: origin of the polarity asymmetry. <i>Physical Review Letters</i> , <b>2008</b> , 100, 126101	7.4	55
313	Direct monitoring of photo-induced reactions on well-defined metal oxide surfaces using vibrational spectroscopy. <i>Chemical Physics Letters</i> , <b>2008</b> , 460, 10-12	2.5	55



312	High Antimicrobial Activity of Metal-Organic Framework-Templated Porphyrin Polymer Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1528-1533	9.5	55
311	Surface-anchored MOF-based photonic antennae. <i>ChemPhysChem</i> , <b>2012</b> , 13, 2699-702	3.2	54
310	Rational design of two-dimensional nanoscale networks by electrostatic interactions at surfaces. <i>ACS Nano</i> , <b>2010</b> , 4, 1813-20	16.7	54
309	The adsorption of hydrogen on the rutile TiO <sub>2</sub> (110) surface. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 4203-4207	3.6	54
308	Adsorption and diffusion in thin films of nanoporous metal-organic frameworks: ferrocene in SURMOF Cu <sub>2</sub> (ndc) <sub>2</sub> (dabco). <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 9295-9	3.6	53
307	Molecular weaving via surface-templated epitaxy of crystalline coordination networks. <i>Nature Communications</i> , <b>2017</b> , 8, 14442	17.4	52
306	cis-to-trans isomerization of azobenzene investigated by using thin films of metal-organic frameworks. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 22721-5	3.6	52
305	Experimental and theoretical investigations of the electronic band structure of metal-organic frameworks of HKUST-1 type. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 183301	3.4	52
304	Dissociation of formic acid on anatase TiO <sub>2</sub> (101) probed by vibrational spectroscopy. <i>Catalysis Today</i> , <b>2012</b> , 182, 12-15	5.3	52
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302	Post-synthetic modification of epitaxially grown, highly oriented functionalized MOF thin films. <i>Chemical Communications</i> , <b>2011</b> , 47, 11210-2	5.8	52
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