

Christof Wll

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.

437
papers

24,601
citations

84
h-index

139
g-index

460
ext. papers

26,882
ext. citations

7.6
avg, IF

7.3
L-index

#	Paper	IF	Citations
437	N2O Adsorption and Photochemistry on Ceria Surfaces. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 2253-2263	3.863	0
436	MOFSocialNet: Exploiting Metal-Organic Framework Relationships via Social Network Analysis.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
435	A Multi-Scale Approach for Modeling the Optical Response of Molecular Materials Inside Cavities.. <i>Advanced Materials</i> , 2022 , e2200350	24	2
434	FAIR data enabling new horizons for materials research.. <i>Nature</i> , 2022 , 604, 635-642	50.4	6
433	Dynamic Structural Evolution of Ceria-Supported Pt Particles: A Thorough Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 9051-9058	3.8	1
432	Photoinduced Delamination of Metal-Organic Framework Thin Films by Spatioselective Generation of Reactive Oxygen Species. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57768-57773	9.5	1
431	Defect-Engineered Metal-Organic Frameworks: A Thorough Characterization of Active Sites Using CO as a Probe Molecule. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 593-601	3.8	5
430	Performance Fabrics Obtained by Growth of Metal-Organic Frameworks in Electrospun Fibers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12491-12500	9.5	5
429	Stability of Monolithic MOF Thin Films in Acidic and Alkaline Aqueous Media. <i>Membranes</i> , 2021 , 11,	3.8	2
428	Antenna Doping: The Key for Achieving Efficient Optical Wavelength Conversion in Crystalline Chromophoric Heterolayers. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100262	4.6	4
427	Oriented Growth of In-Oxo Chain Based Metal-Porphyrin Framework Thin Film for High-Sensitive Photodetector. <i>Advanced Science</i> , 2021 , 8, 2100548	13.6	7
426	Modeling the Layer-by-Layer Growth of HKUST-1 Metal-Organic Framework Thin Films. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
425	25 Jahre retikuläre Chemie. <i>Angewandte Chemie</i> , 2021 , 133, 24142	3.6	0
424	Room-Temperature Negative Differential Resistance in Surface-Supported Metal-Organic Framework Vertical Heterojunctions. <i>Small</i> , 2021 , 17, e2101475	11	3
423	Sniff Species: SURMOF-Based Sensor Array Discriminates Aromatic Plants beyond the Genus Level. <i>Chemosensors</i> , 2021 , 9, 171	4	1
422	Hierarchical assemblies of molecular frameworksMOF-on-MOF epitaxial heterostructures. <i>Nano Research</i> , 2021 , 14, 355-368	10	31
421	CO adsorption on the calcite(10.4) surface: a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 7696-7702	3.6	7

4 ²⁰	Encapsulation of Au ₅₅ Clusters within Surface-Supported Metal-Organic Frameworks for Catalytic Reduction of 4-Nitrophenol. <i>ACS Applied Nano Materials</i> , 2021 , 4, 522-528	5.6	5
4 ¹⁹	Modular Synthesis of trans-A B -Porphyrins with Terminal Esters: Systematically Extending the Scope of Linear Linkers for Porphyrin-Based MOFs. <i>Chemistry - A European Journal</i> , 2021 , 27, 1390-1401	4.8	3
4 ¹⁸	Programmed Molecular Assembly of Abrupt Crystalline Organic/Organic Heterointerfaces Yielding Metal-Organic Framework Diodes with Large On-Off Ratios. <i>Advanced Science</i> , 2021 , 8, 2001884	13.6	7
4 ¹⁷	Interplay of structural dynamics and electronic effects in an engineered assembly of pentacene in a metal-organic framework. <i>Chemical Science</i> , 2021 , 12, 4477-4483	9.4	6
4 ¹⁶	Application of near-ambient pressure X-ray photoelectron spectroscopy (NAP-XPS) in an in-situ analysis of the stability of the surface-supported metal-organic framework HKUST-1 in water, methanol and pyridine atmospheres. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021 , 247, 147042	1.7	5
4 ¹⁵	Identification of Mint Scents Using a QCM Based E-Nose. <i>Chemosensors</i> , 2021 , 9, 31	4	16
4 ¹⁴	Shape-Selective Synthesis of Intermetallic Pd ₃ Pb Nanocrystals and Enhanced Catalytic Properties in the Direct Synthesis of Hydrogen Peroxide. <i>ACS Catalysis</i> , 2021 , 11, 2288-2301	13.1	12
4 ¹³	Avoiding the Center-Symmetry Trap: Programmed Assembly of Dipolar Precursors into Porous, Crystalline Molecular Thin Films. <i>Advanced Materials</i> , 2021 , 33, e2103287	24	1
4 ¹²	Metamorphosis of Heterostructured Surface-Mounted Metal-Organic Frameworks Yielding Record Oxygen Evolution Mass Activities. <i>Advanced Materials</i> , 2021 , 33, e2103218	24	11
4 ¹¹	Sensing Molecules with Metal-Organic Framework Functionalized Graphene Transistors. <i>Advanced Materials</i> , 2021 , 33, e2103316	24	7
4 ¹⁰	Electrostatic Design of Polar Metal-Organic Framework Thin Films. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
4 ⁰⁹	Chemical Reactivity of Supported ZnO Clusters: Undercoordinated Zinc and Oxygen Atoms as Active Sites. <i>ChemPhysChem</i> , 2020 , 21, 2553-2564	3.2	3
4 ⁰⁸	SURMOF Devices Based on Heteroepitaxial Architectures with White-Light Emission and Luminescent Thermal-Dependent Performance. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000929	4.6	9
4 ⁰⁷	Zusammenwirken elektronischer und sterischer Effekte bei der Tieftemperatur-CO-Oxidation an Einzelatom-Metallzentren in defekt-manipuliertem HKUST-1. <i>Angewandte Chemie</i> , 2020 , 132, 10600-10604	2.6	5
4 ⁰⁶	Conductive Metal-Organic Framework Thin Film Hybrids by Electropolymerization of Monosubstituted Acetylenes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30972-30979	9.5	8
4 ⁰⁵	Interplay of Electronic and Steric Effects to Yield Low-Temperature CO Oxidation at Metal Single Sites in Defect-Engineered HKUST-1. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10514-10518	16.4	34
4 ⁰⁴	Probing the Water Stability Limits and Degradation Pathways of Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2020 , 26, 7109-7117	4.8	21
4 ⁰³	Polarization-dependent vibrational shifts on dielectric substrates. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 17129-17133	3.6	4

402	Studying ZIF-8 SURMOF Thin Films with a Langatate Crystal Microbalance: Single-Component Gas Adsorption Isotherms Measured at Elevated Temperatures and Pressures. <i>Langmuir</i> , 2020 , 36, 8444-8450		6
401	Liquid-Phase Quasi-Epitaxial Growth of Highly Stable, Monolithic UiO-66-NH MOF thin Films on Solid Substrates. <i>ChemistryOpen</i> , 2020 , 9, 515-518	2.3	13
400	Thermally Driven Ag/Au Compositional Changes at the Ligament Surface in Nanoporous Gold: Implications for Electrocatalytic Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2197-2206	5.6	8
399	Doping-Induced Electron Transfer at Organic/Oxide Interfaces: Direct Evidence from Infrared Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4511-4516	3.8	5
398	Proximity Effect in Crystalline Framework Materials: Stacking-Induced Functionality in MOFs and COFs. <i>Advanced Functional Materials</i> , 2020 , 30, 1908004	15.6	36
397	The Influence of the Gold Particle Size on the Catalytic Oxidation of 5-(Hydroxymethyl)furfural. <i>Catalysts</i> , 2020 , 10, 342	4	9
396	Vibrational Frequencies of Cerium-Oxide-Bound CO: A Challenge for Conventional DFT Methods. <i>Physical Review Letters</i> , 2020 , 125, 256101	7.4	6
395	Structure and Chemical Properties of Oxide Nanoparticles Determined by Surface-Ligand IR Spectroscopy. <i>ACS Catalysis</i> , 2020 , 10, 168-176	13.1	18
394	Advanced Photoresponsive Materials Using the Metal-Organic Framework Approach. <i>Advanced Materials</i> , 2020 , 32, e1905227	24	95
393	Exciton Coupling and Conformational Changes Impacting the Excited State Properties of Metal Organic Frameworks. <i>Molecules</i> , 2020 , 25,	4.8	4
392	Direct Synthesis of ZIF-8 on Transmission Electron Microscopy Grids Allows Structure Analysis and 3D Reconstruction. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 2000209	3.1	
391	Guest-responsive polaritons in a porous framework: chromophoric sponges in optical QED cavities. <i>Chemical Science</i> , 2020 , 11, 7972-7978	9.4	9
390	Introducing electrical conductivity to metal-organic framework thin films by templated polymerization of methyl propiolate. <i>Nanoscale</i> , 2020 , 12, 24419-24428	7.7	6
389	Porphyrimetalorganic framework films: nucleation and growth. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25941-25950	13	13
388	Polyamid-Based Flexible Antibacterial Coatings Fabricated Using Laser-Induced Carbonization and Copper Electroplating. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 53193-53205	9.5	8
387	Defect Engineering of Copper Paddlewheel-Based Metal-Organic Frameworks of Type NOTT-100: Implementing Truncated Linkers and Its Effect on Catalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37993-38002	9.5	14
386	Thermal Defect Engineering of Precious Group Metal-Organic Frameworks: A Case Study on Ru/Rh-HKUST-1 Analogues. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40635-40647	9.5	10
385	Design of Metal-Organic Framework Templated Materials Using High-Throughput Computational Screening. <i>Molecules</i> , 2020 , 25,	4.8	5

384	Surface Refaceting Mechanism on Cubic Ceria. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7925-7931.6.4	13
383	Tracking the formation, fate and consequence for catalytic activity of Pt single sites on CeO ₂ . <i>Nature Catalysis</i> , 2020 , 3, 824-833	36.5 84
382	Tuning Optical Properties by Controlled Aggregation: Electroluminescence Assisted by Thermally-Activated Delayed Fluorescence from Thin Films of Crystalline Chromophores. <i>Chemistry - A European Journal</i> , 2020 , 26, 17016-17020	4.8 18
381	ZnO@ZIF-8: Gas sensitive core-shell hetero-structures show reduced cross-sensitivity to humidity. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127184	8.5 18
380	Al ₂ O ₃ -supported ZIF-8 SURMOF membranes: Diffusion mechanism of ethene/ethane mixtures and gas separation performance. <i>Journal of Membrane Science</i> , 2020 , 594, 117421	9.6 9
379	Structural Evolution of Water on ZnO(10 0): From Isolated Monomers via Anisotropic H-Bonded 2D and 3D Structures to Isotropic Multilayers. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17751-17757	16.57 10
378	Synthesis, Transfer, and Gas Separation Characteristics of MOF-Templated Polymer Membranes. <i>Membranes</i> , 2019 , 9,	3.8 8
377	Surface-Mounted Metal-Organic Frameworks: Crystalline and Porous Molecular Assemblies for Fundamental Insights and Advanced Applications. <i>Advanced Materials</i> , 2019 , 31, e1806324	24 83
376	Electrically Conductive, Monolithic Metal-Organic Framework-Graphene (MOF@G) Composite Coatings. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6442-6447	9.5 46
375	A de novo strategy for predictive crystal engineering to tune excitonic coupling. <i>Nature Communications</i> , 2019 , 10, 2048	17.4 27
374	Chemical Nature of Microfluidically Synthesized AuPd Nanoalloys Supported on TiO ₂ . <i>ACS Catalysis</i> , 2019 , 9, 5462-5473	13.1 22
373	Photoleitfähigkeit in Dünfilmen Metall-organischer Gerüste. <i>Angewandte Chemie</i> , 2019 , 131, 9691-9696	3.6 12
372	Photoconductivity in Metal-Organic Framework (MOF) Thin Films. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9590-9595	16.4 68
371	Metal-Organic Framework-Templated Biomaterials: Recent Progress in Synthesis, Functionalization, and Applications. <i>Accounts of Chemical Research</i> , 2019 , 52, 1598-1610	24.3 70
370	Correlation between Composition and Mechanical Properties of Calcium Silicate Hydrates Identified by Infrared Spectroscopy and Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 10868-10873	3.8 13
369	Bridging the Green Gap: Metal-Organic Framework Heteromultilayers Assembled from Porphyrinic Linkers Identified by Using Computational Screening. <i>Chemistry - A European Journal</i> , 2019 , 25, 7847-7851	4.8 18
368	Highly Efficient One-Dimensional Triplet Exciton Transport in a Palladium-Porphyrin-Based Surface-Anchored Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15688-15697	9.57 29
367	Grafting Zirconium-Based Metal-Organic Framework UiO-66-NH ₂ Nanoparticles on Cellulose Fibers for the Removal of Cr(VI) Ions and Methyl Orange from Water. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5804-5808	5.6 41

366	Tunable Emission in Heteroepitaxial Ln-SURMOFs. <i>Advanced Functional Materials</i> , 2019 , 29, 1903086	15.6	28
365	Synthesis of Functionalized Azobiphenyl- and Azoterphenyl- Ditopic Linkers: Modular Building Blocks for Photoresponsive Smart Materials. <i>ChemistryOpen</i> , 2019 , 8, 743-759	2.3	6
364	Structural Evolution of FeO(0001) Surfaces Under Reduction Conditions Monitored by Infrared Spectroscopy. <i>Frontiers in Chemistry</i> , 2019 , 7, 451	5	16
363	Structural Evolution of Water on ZnO(10 0): From Isolated Monomers via Anisotropic H-Bonded 2D and 3D Structures to Isotropic Multilayers. <i>Angewandte Chemie</i> , 2019 , 131, 17915-17921	3.6	2
362	Electrolytic Conversion of Sacrificial Metal-Organic Framework Thin Films into an Electrocatalytically Active Monolithic Oxide Coating for the Oxygen-Evolution Reaction. <i>Energy Technology</i> , 2019 , 7, 1900967	3.5	9
361	Structure of the catalytically active copper-eria interfacial perimeter. <i>Nature Catalysis</i> , 2019 , 2, 334-341	36.5	210
360	Innentitelbild: Structural Evolution of Water on ZnO(10 0): From Isolated Monomers via Anisotropic H-Bonded 2D and 3D Structures to Isotropic Multilayers (Angew. Chem. 49/2019). <i>Angewandte Chemie</i> , 2019 , 131, 17646-17646	3.6	
359	Carbon-nanotube reinforcement of DNA-silica nanocomposites yields programmable and cell-instructive biocoatings. <i>Nature Communications</i> , 2019 , 10, 5522	17.4	18
358	Mobility of charge carriers in self-assembled monolayers. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2449-2458	3	2
357	Interaction of Water Molecules with the Fe ₂ O ₃ (0001) Surface: A Combined Experimental and Computational Study. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 8324-8335	3.8	18
356	Fabrication of Metal-Organic Framework Thin Films Using Programmed Layer-by-Layer Assembly Techniques. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800413	6.8	20
355	Diverse Multi-Functionalized Oligoarenes and Heteroarenes for Porous Crystalline Materials. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 1446-1460	3.2	8
354	Infrared Reflection-Absorption Spectroscopy and Density Functional Theory Investigations of Ultrathin ZnO Films Formed on Ag(111). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4963-4971	3.8	14
353	Hydration of Concrete: The First Steps. <i>Chemistry - A European Journal</i> , 2018 , 24, 8603-8608	4.8	9
352	Local Environment of Strontium Cations Activating NaTaO ₃ Photocatalysts. <i>ACS Catalysis</i> , 2018 , 8, 880-885	8.51	24
351	Water-Stable Nanoporous Polymer Films with Excellent Proton Conductivity. <i>Macromolecular Rapid Communications</i> , 2018 , 39, 1700676	4.8	9
350	Enhancing the photoluminescence of surface anchored metal-organic frameworks: mixed linkers and efficient acceptors. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 11564-11576	3.6	17
349	Surface-Anchored Metal-Organic Frameworks as Versatile Resists for Gas-Assisted E-Beam Lithography: Fabrication of Sub-10 Nanometer Structures. <i>ACS Nano</i> , 2018 , 12, 3825-3835	16.7	31

348	Boron-Doped Graphene Nanoribbons: Electronic Structure and Raman Fingerprint. <i>ACS Nano</i> , 2018 , 12, 7571-7582	16.7	27
347	Series of Photoswitchable Azobenzene-Containing Metal-Organic Frameworks with Variable Adsorption Switching Effect. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19044-19050	3.8	33
346	Inkjet-Printed Photoluminescent Patterns of Aggregation-Induced-Emission Chromophores on Surface-Anchored Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25754-25762	8.5	16
345	Dynamic Protein Adsorption onto Dendritic Polyglycerol Sulfate Self-Assembled Monolayers. <i>Langmuir</i> , 2018 , 34, 10302-10308	4	11
344	MOF-templated synthesis of 3D BiO supracrystals with bcc packing. <i>Nanoscale</i> , 2018 , 10, 17099-17104	7.7	1
343	Chemical Reactions at Isolated Single-Sites Inside Metal-Organic Frameworks. <i>Catalysis Letters</i> , 2018 , 148, 2201-2222	2.8	21
342	Surfactant modified platinum based fuel cell cathode studied by X-ray absorption spectroscopy. <i>Journal of Catalysis</i> , 2018 , 364, 282-290	7.3	1
341	High Antimicrobial Activity of Metal-Organic Framework-Templated Porphyrin Polymer Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1528-1533	9.5	55
340	Synthesis and spectroscopic characterization of alkali-metal intercalated ZrSe. <i>Dalton Transactions</i> , 2018 , 47, 2986-2991	4.3	9
339	Water as a modulator in the synthesis of surface-mounted metal-organic framework films of type HKUST-1. <i>Dalton Transactions</i> , 2018 , 47, 16474-16479	4.3	10
338	Reaction of porphyrin-based surface-anchored metal-organic frameworks caused by prolonged illumination. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 29142-29151	3.6	7
337	Tailoring the Strength of Nanoporous Gold by Self-Assembled Monolayers of Alkanethiols. <i>ACS Applied Nano Materials</i> , 2018 , 1, 6613-6621	5.6	6
336	van der Waals Epitaxial Growth of 2D Metal-Porphyrin Framework Derived Thin Films for Dye-Sensitized Solar Cells. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800985	4.6	22
335	Oxidative polymerization of terthiophene and a substituted thiophene monomer in metal-organic framework thin films. <i>European Polymer Journal</i> , 2018 , 109, 162-168	5.2	17
334	Anisotropic energy transfer in crystalline chromophore assemblies. <i>Nature Communications</i> , 2018 , 9, 4332	17.4	35
333	Verbesserung der Selektivität und Kinetik bei der photooxidativen Zyklisierung mittels supramolekularer Kontrolle. <i>Angewandte Chemie</i> , 2018 , 130, 13850-13854	3.6	5
332	Enhancing Selectivity and Kinetics in Oxidative Photocyclization by Supramolecular Control. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13662-13665	16.4	18
331	IR spectroscopic investigations of chemical and photochemical reactions on metal oxides: bridging the materials gap. <i>Chemical Society Reviews</i> , 2017 , 46, 1875-1932	58.5	120

330	Molecular weaving via surface-templated epitaxy of crystalline coordination networks. <i>Nature Communications</i> , 2017 , 8, 14442	17.4	52
329	Facile Synthesis of Metal-Loaded Porous Carbon Thin Films via Carbonization of Surface-Mounted Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2017 , 56, 3526-3531	5.1	20
328	Carbon Dioxide Adsorption on CeO (110): An XPS and NEXAFS Study. <i>ChemPhysChem</i> , 2017 , 18, 1874-1880	16.4	23
327	MOF-Templated Synthesis of Ultrasmall Photoluminescent Carbon-Nanodot Arrays for Optical Applications. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6853-6858	16.4	128
326	MOF-Templated Synthesis of Ultrasmall Photoluminescent Carbon-Nanodot Arrays for Optical Applications. <i>Angewandte Chemie</i> , 2017 , 129, 6957-6962	3.6	13
325	IR spectroscopy applied to metal oxide surfaces: adsorbate vibrations and beyond. <i>Advances in Physics: X</i> , 2017 , 2, 373-408	5.1	32
324	Surface Faceting and Reconstruction of Ceria Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 375-379	16.4	136
323	Two-in-One: π Orthogonal Photochemistry on a Radical Photoinitiating System. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600598	4.8	13
322	Sprayable, Large-Area Metal-Organic Framework Films and Membranes of Varying Thickness. <i>Chemistry - A European Journal</i> , 2017 , 23, 2294-2298	4.8	50
321	Defects as Color Centers: The Apparent Color of Metal-Organic Frameworks Containing Cu-Based Paddle-Wheel Units. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37463-37467	9.5	44
320	O Activation on Ceria Catalysts-The Importance of Substrate Crystallographic Orientation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16399-16404	16.4	74
319	O ₂ -Aktivierung an Cerdioxid-Katalysatoren π Zur Bedeutung der kristallographischen Orientierung des Substrats. <i>Angewandte Chemie</i> , 2017 , 129, 16618-16623	3.6	13
318	Triptycene-terminated thiolate and selenolate monolayers on Au(111). <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 892-905	3	12
317	Photoaktivierung von Cerdioxid: die Rolle von Defekten. <i>Angewandte Chemie</i> , 2017 , 129, 14491-14495	3.6	2
316	Rendering Photoreactivity to Ceria: The Role of Defects. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14301-14305	16.4	28
315	Oberflächenfaccettierung und Rekonstruktion von Ceroxid- Nanopartikeln. <i>Angewandte Chemie</i> , 2017 , 129, 382-387	3.6	13
314	Excitonically Coupled States in Crystalline Coordination Networks. <i>Chemistry - A European Journal</i> , 2017 , 23, 14316-14322	4.8	23
313	Localized Conversion of Metal-Organic Frameworks into Polymer Gels via Light-Induced Click Chemistry. <i>Chemistry of Materials</i> , 2017 , 29, 5982-5989	9.6	22

312	Surface-supported metal-organic framework thin films: fabrication methods, applications, and challenges. <i>Chemical Society Reviews</i> , 2017 , 46, 5730-5770	58.5	418
311	Facile loading of thin-film surface-anchored metal-organic frameworks with Lewis-base guest molecules. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1888-1894	7.8	8
310	Interaction of carboxylic acids with rutile TiO ₂ (110): IR-investigations of terephthalic and benzoic acid adsorbed on a single crystal substrate. <i>Surface Science</i> , 2016 , 643, 117-123	1.8	31
309	Formation of oriented and patterned films of metal-organic frameworks by liquid phase epitaxy: A review. <i>Coordination Chemistry Reviews</i> , 2016 , 307, 391-424	23.2	158
308	Improving the Loading Capacity of Metal-Organic Framework Thin Films Using Optimized Linkers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24699-702	9.5	9
307	Ruthenium Metal-Organic Frameworks with Different Defect Types: Influence on Porosity, Sorption, and Catalytic Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 14297-307	4.8	55
306	Highly oriented MOF thin film-based electrocatalytic device for the reduction of CO ₂ to CO exhibiting high faradaic efficiency. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15320-15326	13	121
305	Corrosion of Concrete by Water-Induced Metal-Proton Exchange. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 22455-22459	3.8	17
304	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> , 2016 , 4, 12739-12747	13	64
303	Adsorbate-induced lifting of substrate relaxation is a general mechanism governing titania surface chemistry. <i>Nature Communications</i> , 2016 , 7, 12888	17.4	18
302	Thermoelectric Properties of Highly Ordered Metal-Organic Framework Films. <i>ECS Transactions</i> , 2016 , 75, 119-126	1	6
301	ZIF-8 SURMOF Membranes Synthesized by Au-Assisted Liquid Phase Epitaxy for Application in Gas Separation. <i>Chemie-Ingenieur-Technik</i> , 2016 , 88, 1798-1805	0.8	30
300	Film Quality and Electronic Properties of a Surface-Anchored Metal-Organic Framework Revealed by using a Multi-technique Approach. <i>ChemElectroChem</i> , 2016 , 3, 713-718	4.3	19
299	IR-spectroscopy of CO adsorption on mixed-terminated ZnO surfaces. <i>Surface Science</i> , 2016 , 652, 247-252	19	
298	Chiral Porous Metacrystals: Employing Liquid-Phase Epitaxy to Assemble Enantiopure Metal-Organic Nanoclusters into Molecular Framework Pores. <i>ACS Nano</i> , 2016 , 10, 977-83	16.7	71
297	BiO Nanoparticles encapsulated in surface mounted metal-organic framework thin films. <i>Nanoscale</i> , 2016 , 8, 6468-72	7.7	22
296	Methanol adsorption on monocrystalline ceria surfaces. <i>Journal of Catalysis</i> , 2016 , 336, 116-125	7.3	30
295	Metal-Support Interactions of Platinum Nanoparticles Decorated N-Doped Carbon Nanofibers for the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 82-90	9.5	91

294	Surface functionalization of conjugated microporous polymer thin films and nanomembranes using orthogonal chemistries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6815-6818	13	21
293	Negative, anisotropic thermal expansion in monolithic thin films of crystalline metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2016 , 222, 241-246	5.3	17
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