Christof WÃ¶ll

List of Publications by Year
in descending order

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429	29,211	3726	7736
papers	citations	89 h-index	150 g-index

461	461	461	24517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	N₂O Adsorption and Photochemistry on Ceria Surfaces. Journal of Physical Chemistry C, 2022, 126, 2253-2263.	1.5	1
2	MOFâ€Hosted Enzymes for Continuous Flow Catalysis in Aqueous and Organic Solvents. Angewandte Chemie - International Edition, 2022, 61, .	7.2	39
3	MOFSocialNet: Exploiting Metal-Organic Framework Relationships via Social Network Analysis. Nanomaterials, 2022, 12, 704.	1.9	9
4	Spectroscopic Investigation of Bianthrylâ€Based Metalâ€“Organic Framework Thin Films and Their Photoinduced Topotactic Transformation. Advanced Materials Interfaces, 2022, 9, .	1.9	4
5	Automated Virtual Design of Organic Semiconductors Based on Metal-Organic Frameworks. Frontiers in Materials, 2022, 9, .	1.2	8
6	A Multiâ€Scale Approach for Modeling the Optical Response of Molecular Materials Inside Cavities. Advanced Materials, 2022, 34, e2200350.	11.1	13
7	FAIR data enabling new horizons for materials research. Nature, 2022, 604, 635-642.	13.7	81
8	Surfaceâ€Supported Metalâ€Organic Framework as Lowâ€Dielectricâ€Constant Thin Films for Novel Hybrid Electronics. Advanced Electronic Materials, 2022, 8, .	2.6	7
9	Dynamic Structural Evolution of Ceria-Supported Pt Particles: A Thorough Spectroscopic Study. Journal of Physical Chemistry C, 2022, 126, 9051-9058.	1.5	6
10	Chiral Metalâ€“Organic Cluster Induced High Circularly Polarized Luminescence of Metalâ€“Organic Framework Thin Film. Advanced Functional Materials, 2022, 32, .	7.8	23
11	Hierarchical assemblies of molecular frameworksâ€”MOF-on-MOF epitaxial heterostructures. Nano Research, 2021, 14, 355-368.	5.8	58
12	CO adsorption on the calcite(10.4) surface: a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2021, 23, 7696-7702.	1.3	12
13	Encapsulation of Au₅₅ Clusters within Surface-Supported Metalâ€“Organic Frameworks for Catalytic Reduction of 4-Nitrophenol. ACS Applied Nano Materials, 2021, 4, 522-528.	2.4	15
14	Modular Synthesis of transâ€A₂B₂â€Porphyrins with Terminal Esters: Systematically Extending the Scope of Linear Linkers for Porphyrinâ€Based MOFs. Chemistry - A European Journal, 2021, 27, 1390-1401.	1.7	10
15	Programmed Molecular Assembly of Abrupt Crystalline Organic/Organic Heterointerfaces Yielding Metalâ€Organic Framework Diodes with Large Onâ€Off Ratios. Advanced Science, 2021, 8, 2001884.	5.6	18
16	Interplay of structural dynamics and electronic effects in an engineered assembly of pentacene in a metalâ€“organic framework. Chemical Science, 2021, 12, 4477-4483.	3.7	18
17	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. Journal of Electron Spectroscopy and Related Phenomena, 2021, 247, 147042.	0.8	11
18	Identification of Mint Scents Using a QCM Based E-Nose. Chemosensors, 2021, 9, 31.	1.8	27

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19	Shape-Selective Synthesis of Intermetallic Pd₃Pb Nanocrystals and Enhanced Catalytic Properties in the Direct Synthesis of Hydrogen Peroxide. ACS Catalysis, 2021, 11, 2288-2301.	5.5	27
20	Performance Fabrics Obtained by In Situ Growth of Metalâ€“Organic Frameworks in Electrospun Fibers. ACS Applied Materials & Interfaces, 2021, 13, 12491-12500.	4.0	31
21	Stability of Monolithic MOF Thin Films in Acidic and Alkaline Aqueous Media. Membranes, 2021, 11, 207.	1.4	13
22	Antenna Doping: The Key for Achieving Efficient Optical Wavelength Conversion in Crystalline Chromophoric Heterolayers. Advanced Materials Interfaces, 2021, 8, 2100262.	1.9	4
23	Oriented Growth of Inâ€Oxo Chain Based Metalâ€Porphyrin Framework Thin Film for Highâ€Sensitive Photodetector. Advanced Science, 2021, 8, 2100548.	5.6	23
24	Modeling the Layer-by-Layer Growth of HKUST-1 Metal-Organic Framework Thin Films. Nanomaterials, 2021, 11, 1631.	1.9	4
25	25 Jahre retikulÃre Chemie. Angewandte Chemie, 2021, 133, 24142.	1.6	6
26	Roomâ€Temperature Negative Differential Resistance in Surfaceâ€Supported Metalâ€Organic Framework Vertical Heterojunctions. Small, 2021, 17, e2101475.	5.2	6
27	Sniff Species: SURMOF-Based Sensor Array Discriminates Aromatic Plants beyond the Genus Level. Chemosensors, 2021, 9, 171.	1.8	5
28	Avoiding the Centerâ€Symmetry Trap: Programmed Assembly of Dipolar Precursors into Porous, Crystalline Molecular Thin Films. Advanced Materials, 2021, 33, e2103287.	11.1	14
29	Metamorphosis of Heterostructured Surfaceâ€Mounted Metalâ€“Organic Frameworks Yielding Record Oxygen Evolution Mass Activities. Advanced Materials, 2021, 33, e2103218.	11.1	43
30	Sensing Molecules with Metalâ€“Organic Framework Functionalized Graphene Transistors. Advanced Materials, 2021, 33, e2103316.	11.1	25
31	Defect-Engineered Metalâ€“Organic Frameworks: A Thorough Characterization of Active Sites Using CO as a Probe Molecule. Journal of Physical Chemistry C, 2021, 125, 593-601.	1.5	15
32	Crystalline assembly of perylene in metalâ€“organic framework thin film: J-aggregate or excimer? Insight into the electronic structure. Journal of Physics Condensed Matter, 2021, 33, 034001.	0.7	1
33	Photoinduced Delamination of Metalâ€“Organic Framework Thin Films by Spatioselective Generation of Reactive Oxygen Species. ACS Applied Materials & Interfaces, 2021, 13, 57768-57773.	4.0	2
34	ZnO@ZIF-8: Gas sensitive core-shell hetero-structures show reduced cross-sensitivity to humidity. Sensors and Actuators B: Chemical, 2020, 304, 127184.	4.0	34
35	Î±-Al2O3-supported ZIF-8 SURMOF membranes: Diffusion mechanism of ethene/ethane mixtures and gas separation performance. Journal of Membrane Science, 2020, 594, 117421.	4.1	16
36	Structure and Chemical Properties of Oxide Nanoparticles Determined by Surface-Ligand IR Spectroscopy. ACS Catalysis, 2020, 10, 168-176.	5.5	28

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37	Advanced Photoresponsive Materials Using the Metalâ€“Organic Framework Approach. Advanced Materials, 2020, 32, e1905227.	11.1	184
38	Exciton Coupling and Conformational Changes Impacting the Excited State Properties of Metal Organic Frameworks. Molecules, 2020, 25, 4230.	1.7	9
39	Direct Synthesis of ZIFâ€8 on Transmission Electron Microscopy Grids Allows Structure Analysis and 3D Reconstruction. Particle and Particle Systems Characterization, 2020, 37, 2000209.	1.2	2
40	Guest-responsive polaritons in a porous framework: chromophoric sponges in optical QED cavities. Chemical Science, 2020, 11, 7972-7978.	3.7	16
41	Introducing electrical conductivity to metalâ€“organic framework thin films by templated polymerization of methyl propiolate. Nanoscale, 2020, 12, 24419-24428.	2.8	8
42	Porphyrin based metalâ€“organic framework films: nucleation and growth. Journal of Materials Chemistry A, 2020, 8, 25941-25950.	5.2	24
43	Polyaramid-Based Flexible Antibacterial Coatings Fabricated Using Laser-Induced Carbonization and Copper Electroplating. ACS Applied Materials & Interfaces, 2020, 12, 53193-53205.	4.0	20
44	Defect Engineering of Copper Paddlewheel-Based Metalâ€“Organic Frameworks of Type NOTT-100: Implementing Truncated Linkers and Its Effect on Catalytic Properties. ACS Applied Materials & Interfaces, 2020, 12, 37993-38002.	4.0	30
45	Thermal Defect Engineering of Precious Group Metalâ€“Organic Frameworks: A Case Study on Ru/Rh-HKUST-1 Analogues. ACS Applied Materials & Interfaces, 2020, 12, 40635-40647.	4.0	24
46	Design of Metal-Organic Framework Templated Materials Using High-Throughput Computational Screening. Molecules, 2020, 25, 4875.	1.7	11
47	Surface Refaceting Mechanism on Cubic Ceria. Journal of Physical Chemistry Letters, 2020, 11, 7925-7931.	2.1	34
48	Tracking the formation, fate and consequence for catalytic activity of Pt single sites on CeO2. Nature Catalysis, 2020, 3, 824-833.	16.1	209
49	Tuning Optical Properties by Controlled Aggregation: Electroluminescence Assisted by Thermallyâ€Activated Delayed Fluorescence from Thin Films of Crystalline Chromophores. Chemistry - A European Journal, 2020, 26, 17016-17020.	1.7	25
50	Electrostatic Design of Polar Metalâ€“Organic Framework Thin Films. Nanomaterials, 2020, 10, 2420.	1.9	4
51	Chemical Reactivity of Supported ZnO Clusters: Undercoordinated Zinc and Oxygen Atoms as Active Sites. ChemPhysChem, 2020, 21, 2553-2564.	1.0	5
52	SURMOF Devices Based on Heteroepitaxial Architectures with Whiteâ€Light Emission and Luminescent Thermalâ€Dependent Performance. Advanced Materials Interfaces, 2020, 7, 2000929.	1.9	15
53	Zusammenwirken elektronischer und sterischer Effekte bei der Tieftemperaturâ€COâ€Oxidation an Einzelatomâ€Metallzentren in defektâ€manipuliertem HKUSTâ€1. Angewandte Chemie, 2020, 132, 10600-10604.	1.6	9
54	Conductive Metalâ€“Organic Framework Thin Film Hybrids by Electropolymerization of Monosubstituted Acetylenes. ACS Applied Materials & Interfaces, 2020, 12, 30972-30979.	4.0	13

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55	Interplay of Electronic and Steric Effects to Yield Lowâ€Temperature CO Oxidation at Metal Single Sites in Defectâ€Engineered HKUSTâ€1. Angewandte Chemie - International Edition, 2020, 59, 10514-10518.	7.2	73
56	Probing the Water Stability Limits and Degradation Pathways of Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2020, 26, 7109-7117.	1.7	50
57	Polarization-dependent vibrational shifts on dielectric substrates. Physical Chemistry Chemical Physics, 2020, 22, 17129-17133.	1.3	6
58	Studying ZIF-8 SURMOF Thin Films with a Langatate Crystal Microbalance: Single-Component Gas Adsorption Isotherms Measured at Elevated Temperatures and Pressures. Langmuir, 2020, 36, 8444-8450.	1.6	8
59	Liquidâ€Phase Quasiâ€Epitaxial Growth of Highly Stable, Monolithic UiOâ€66â€NH₂ MOF thin Films on Solid Substrates. ChemistryOpen, 2020, 9, 524-527.	0.9	20
60	Thermally Driven Agâ€“Au Compositional Changes at the Ligament Surface in Nanoporous Gold: Implications for Electrocatalytic Applications. ACS Applied Nano Materials, 2020, 3, 2197-2206.	2.4	11
61	Doping-Induced Electron Transfer at Organic/Oxide Interfaces: Direct Evidence from Infrared Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 4511-4516.	1.5	7
62	Proximity Effect in Crystalline Framework Materials: Stackingâ€Induced Functionality in MOFs and COFs. Advanced Functional Materials, 2020, 30, 1908004.	7.8	64
63	The Influence of the Gold Particle Size on the Catalytic Oxidation of 5-(Hydroxymethyl)furfural. Catalysts, 2020, 10, 342.	1.6	20
64	Vibrational Frequencies of Cerium-Oxide-Bound CO: A Challenge for Conventional DFT Methods. Physical Review Letters, 2020, 125, 256101.	2.9	13
65	Grafting Zirconium-Based Metalâ€“Organic Framework UiO-66-NH₂ Nanoparticles on Cellulose Fibers for the Removal of Cr(VI) Ions and Methyl Orange from Water. ACS Applied Nano Materials, 2019, 2, 5804-5808.	2.4	79
66	Tunable Emission in Heteroepitaxial Lnâ€SURMOFs. Advanced Functional Materials, 2019, 29, 1903086.	7.8	40
67	Synthesis of Functionalized Azobiphenylâ€and Azoterphenylâ€Ditopic Linkers: Modular Building Blocks for Photoresponsive Smart Materials. ChemistryOpen, 2019, 8, 743-759.	0.9	9
68	Structural Evolution of Î±-Fe2O3(0001) Surfaces Under Reduction Conditions Monitored by Infrared Spectroscopy. Frontiers in Chemistry, 2019, 7, 451.	1.8	25
69	Structural Evolution of Water on ZnO(100): From Isolated Monomers via Anisotropic Hâ€Bonded 2D and 3D Structures to Isotropic Multilayers. Angewandte Chemie, 2019, 131, 17915-17921.	1.6	3
70	Electrolytic Conversion of Sacrificial Metalâ€“Organic Framework Thin Films into an Electrocatalytically Active Monolithic Oxide Coating for the Oxygenâ€Evolution Reaction. Energy Technology, 2019, 7, 1900967.	1.8	13
71	Structural Evolution of Water on ZnO(100): From Isolated Monomers via Anisotropic Hâ€Bonded 2D and 3D Structures to Isotropic Multilayers. Angewandte Chemie - International Edition, 2019, 58, 17751-17757.	7.2	22
72	Synthesis, Transfer, and Gas Separation Characteristics of MOF-Templated Polymer Membranes. Membranes, 2019, 9, 124.	1.4	10

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73	Surfaceâ€Mounted Metalâ€“Organic Frameworks: Crystalline and Porous Molecular Assemblies for Fundamental Insights and Advanced Applications. Advanced Materials, 2019, 31, e1806324.	11.1	134
74	Electrically Conductive, Monolithic Metalâ€“Organic Frameworkâ€“Graphene (MOF@G) Composite Coatings. ACS Applied Materials & Interfaces, 2019, 11, 6442-6447.	4.0	57
75	Materials Research in the Information Age. Advanced Materials, 2019, 31, e1902591.	11.1	2
76	A de novo strategy for predictive crystal engineering to tune excitonic coupling. Nature Communications, 2019, 10, 2048.	5.8	44
77	Chemical Nature of Microfluidically Synthesized AuPd Nanoalloys Supported on TiO₂. ACS Catalysis, 2019, 9, 5462-5473.	5.5	28
78	PhotoleitfÃ¤higkeit in DÃ¼nnfilmen Metallâ€organischer GerÃ¼ste. Angewandte Chemie, 2019, 131, 9691-9696.	1.6	16
79	Photoconductivity in Metalâ€“Organic Framework (MOF) Thin Films. Angewandte Chemie - International Edition, 2019, 58, 9590-9595.	7.2	118
80	Metalâ€“Organic Framework-Templated Biomaterials: Recent Progress in Synthesis, Functionalization, and Applications. Accounts of Chemical Research, 2019, 52, 1598-1610.	7.6	112
81	Correlation between Composition and Mechanical Properties of Calcium Silicate Hydrates Identified by Infrared Spectroscopy and Density Functional Theory. Journal of Physical Chemistry C, 2019, 123, 10868-10873.	1.5	25
82	Bridging the Green Gap: Metalâ€“Organic Framework Heteromultilayers Assembled from Porphyrinic Linkers Identified by Using Computational Screening. Chemistry - A European Journal, 2019, 25, 7847-7851.	1.7	23
83	Highly Efficient One-Dimensional Triplet Exciton Transport in a Palladiumâ€“Porphyrin-Based Surface-Anchored Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2019, 11, 15688-15697.	4.0	46
84	Structure of the catalytically active copperâ€“ceria interfacial perimeter. Nature Catalysis, 2019, 2, 334-341.	16.1	368
85	Innentitelbild: Structural Evolution of Water on ZnO(100): From Isolated Monomers via Anisotropic Hâ€Bonded 2D and 3D Structures to Isotropic Multilayers (Angew. Chem. 49/2019). Angewandte Chemie, 2019, 131, 17646-17646.	1.6	0
86	Carbon-nanotube reinforcement of DNA-silica nanocomposites yields programmable and cell-instructive biocoatings. Nature Communications, 2019, 10, 5522.	5.8	34
87	Mobility of charge carriers in self-assembled monolayers. Beilstein Journal of Nanotechnology, 2019, 10, 2449-2458.	1.5	3
88	Interaction of Water Molecules with the Î±-Fe₂O₃(0001) Surface: A Combined Experimental and Computational Study. Journal of Physical Chemistry C, 2019, 123, 8324-8335.	1.5	26
89	Fabrication of Metalâ€“Organic Framework Thin Films Using Programmed Layerâ€byâ€Layer Assembly Techniques. Advanced Materials Technologies, 2019, 4, 1800413.	3.0	37
90	Diverse Multiâ€Functionalized Oligoarenes and Heteroarenes for Porous Crystalline Materials. European Journal of Organic Chemistry, 2019, 2019, 1446-1460.	1.2	15

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91	Infrared Reflectionâ€“Absorption Spectroscopy and Density Functional Theory Investigations of Ultrathin ZnO Films Formed on Ag(111). Journal of Physical Chemistry C, 2018, 122, 4963-4971.	1.5	17
92	Hydration of Concrete: The First Steps. Chemistry - A European Journal, 2018, 24, 8603-8608.	1.7	13
93	Local Environment of Strontium Cations Activating NaTaO₃ Photocatalysts. ACS Catalysis, 2018, 8, 880-885.	5.5	29
94	Waterâ€Stable Nanoporous Polymer Films with Excellent Proton Conductivity. Macromolecular Rapid Communications, 2018, 39, 1700676.	2.0	11
95	Enhancing the photoluminescence of surface anchored metalâ€“organic frameworks: mixed linkers and efficient acceptors. Physical Chemistry Chemical Physics, 2018, 20, 11564-11576.	1.3	18
96	Surface-Anchored Metalâ€“Organic Frameworks as Versatile Resists for Gas-Assisted E-Beam Lithography: Fabrication of Sub-10 Nanometer Structures. ACS Nano, 2018, 12, 3825-3835.	7.3	36
97	High Antimicrobial Activity of Metalâ€“Organic Framework-Templated Porphyrin Polymer Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 1528-1533.	4.0	74
98	Synthesis and spectroscopic characterization of alkaliâ€“metal intercalated ZrSe₂. Dalton Transactions, 2018, 47, 2986-2991.	1.6	12
99	Water as a modulator in the synthesis of surface-mounted metalâ€“organic framework films of type HKUST-1. Dalton Transactions, 2018, 47, 16474-16479.	1.6	22
100	Reaction of porphyrin-based surface-anchored metalâ€“organic frameworks caused by prolonged illumination. Physical Chemistry Chemical Physics, 2018, 20, 29142-29151.	1.3	8
101	Tailoring the Strength of Nanoporous Gold by Self-Assembled Monolayers of Alkanethiols. ACS Applied Nano Materials, 2018, 1, 6613-6621.	2.4	8
102	van der Waals Epitaxial Growth of 2D Metalâ€“Porphyrin Framework Derived Thin Films for Dyeâ€Sensitized Solar Cells. Advanced Materials Interfaces, 2018, 5, 1800985.	1.9	34
103	Oxidative polymerization of terthiophene and a substituted thiophene monomer in metal-organic framework thin films. European Polymer Journal, 2018, 109, 162-168.	2.6	21
104	Anisotropic energy transfer in crystalline chromophore assemblies. Nature Communications, 2018, 9, 4332.	5.8	54
105	Verbesserung der SelektivitÃt und Kinetik bei der photooxidativen Zyklisierung mittels supramolekularer Kontrolle. Angewandte Chemie, 2018, 130, 13850-13854.	1.6	5
106	Enhancing Selectivity and Kinetics in Oxidative Photocyclization by Supramolecular Control. Angewandte Chemie - International Edition, 2018, 57, 13662-13665.	7.2	20
107	Boron-Doped Graphene Nanoribbons: Electronic Structure and Raman Fingerprint. ACS Nano, 2018, 12, 7571-7582.	7.3	38
108	Series of Photoswitchable Azobenzene-Containing Metalâ€“Organic Frameworks with Variable Adsorption Switching Effect. Journal of Physical Chemistry C, 2018, 122, 19044-19050.	1.5	54

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109	Inkjet-Printed Photoluminescent Patterns of Aggregation-Induced-Emission Chromophores on Surface-Anchored Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2018, 10, 25754-25762.	4.0	23
110	Dynamic Protein Adsorption onto Dendritic Polyglycerol Sulfate Self-Assembled Monolayers. Langmuir, 2018, 34, 10302-10308.	1.6	14
111	MOF-templated synthesis of 3D Bi2O3 supracrystals with bcc packing. Nanoscale, 2018, 10, 17099-17104.	2.8	1
112	Chemical Reactions at Isolated Single-Sites Inside Metalâ€“Organic Frameworks. Catalysis Letters, 2018, 148, 2201-2222.	1.4	33
113	Surfactant modified platinum based fuel cell cathode studied by X-ray absorption spectroscopy. Journal of Catalysis, 2018, 364, 282-290.	3.1	2
114	IR spectroscopic investigations of chemical and photochemical reactions on metal oxides: bridging the materials gap. Chemical Society Reviews, 2017, 46, 1875-1932.	18.7	165
115	Molecular weaving via surface-templated epitaxy of crystalline coordination networks.. Nature Communications, 2017, 8, 14442.	5.8	70
116	Facile Synthesis of Metal-Loaded Porous Carbon Thin Films via Carbonization of Surface-Mounted Metalâ€“Organic Frameworks. Inorganic Chemistry, 2017, 56, 3526-3531.	1.9	21
117	Carbon Dioxide Adsorption on CeO₂(110): An XPS and NEXAFS Study. ChemPhysChem, 2017, 18, 1874-1880.	1.0	34
118	MOFâ€Templated Synthesis of Ultrasmall Photoluminescent Carbonâ€Nanodot Arrays for Optical Applications. Angewandte Chemie - International Edition, 2017, 56, 6853-6858.	7.2	179
119	MOFâ€Templated Synthesis of Ultrasmall Photoluminescent Carbonâ€Nanodot Arrays for Optical Applications. Angewandte Chemie, 2017, 129, 6957-6962.	1.6	17
120	IR spectroscopy applied to metal oxide surfaces: adsorbate vibrations and beyond. Advances in Physics: X, 2017, 2, 373-408.	1.5	46
121	Surface Faceting and Reconstruction of Ceria Nanoparticles. Angewandte Chemie - International Edition, 2017, 56, 375-379.	7.2	185
122	Twoâ€inâ€One: Î»â€Orthogonal Photochemistry on a Radical Photoinitiating System. Macromolecular Rapid Communications, 2017, 38, 1600598.	2.0	16
123	Sprayable, Largeâ€Area Metalâ€“Organic Framework Films and Membranes of Varying Thickness. Chemistry - A European Journal, 2017, 23, 2294-2298.	1.7	73
124	Defects as Color Centers: The Apparent Color of Metalâ€“Organic Frameworks Containing Cu²⁺-Based Paddle-Wheel Units. ACS Applied Materials & Interfaces, 2017, 9, 37463-37467.	4.0	60
125	O₂ Activation on Ceria Catalystsâ€”The Importance of Substrate Crystallographic Orientation. Angewandte Chemie - International Edition, 2017, 56, 16399-16404.	7.2	106
126	O₂â€Aktivierung an Cerdioxidâ€Katalysatoren â€“ Zur Bedeutung der kristallographischen Orientierung des Substrats. Angewandte Chemie, 2017, 129, 16618-16623.	1.6	21

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127	Photoaktivierung von Cerdioxid: die Rolle von Defekten. Angewandte Chemie, 2017, 129, 14491-14495.	1.6	4
128	Rendering Photoreactivity to Ceria: The Role of Defects. Angewandte Chemie - International Edition, 2017, 56, 14301-14305.	7.2	37
129	OberflÃchenfacettierung und Rekonstruktion von Ceroxidâ€•Nanopartikeln. Angewandte Chemie, 2017, 129, 382-387.	1.6	14
130	Excitonically Coupled States in Crystalline Coordination Networks. Chemistry - A European Journal, 2017, 23, 14316-14322.	1.7	30
131	Localized Conversion of Metalâ€“Organic Frameworks into Polymer Gels via Light-Induced Click Chemistry. Chemistry of Materials, 2017, 29, 5982-5989.	3.2	26
132	Surface-supported metalâ€“organic framework thin films: fabrication methods, applications, and challenges. Chemical Society Reviews, 2017, 46, 5730-5770.	18.7	549
133	Facile loading of thin-film surface-anchored metal-organic frameworks with Lewis-base guest molecules. Materials Chemistry Frontiers, 2017, 1, 1888-1894.	3.2	8
134	Triptycene-terminated thiolate and selenolate monolayers on Au(111). Beilstein Journal of Nanotechnology, 2017, 8, 892-905.	1.5	18
135	Chemical bath deposition of textured and compact zinc oxide thin films on vinyl-terminated polystyrene brushes. Beilstein Journal of Nanotechnology, 2016, 7, 102-110.	1.5	7
136	Superexchange Charge Transport in Loaded Metal Organic Frameworks. ACS Nano, 2016, 10, 7085-7093.	7.3	62
137	SURMOFs: Liquid-Phase Epitaxy of Metal-Organic Frameworks on Surfaces. , 2016, , 523-550.		1
138	Tunable molecular separation by nanoporous membranes. Nature Communications, 2016, 7, 13872.	5.8	208
139	Mit variablem Abstand gestapelte lineare Ketten magnetischer Ionen: ferromagnetische Ordnung mit einer Curieâ€Temperatur von Ã¼ber 20â€…K. Angewandte Chemie, 2016, 128, 12874-12879.	1.6	0
140	Interaction of Formaldehyde with the Rutile TiO₂(110) Surface: A Combined Experimental and Theoretical Study. Journal of Physical Chemistry C, 2016, 120, 12626-12636.	1.5	54
141	Surface properties and graphitization of polyacrylonitrile based fiber electrodes affecting the negative half-cell reaction in vanadium redox flow batteries. Journal of Power Sources, 2016, 321, 210-218.	4.0	76
142	Linear Chains of Magnetic Ions Stacked with Variable Distance: Ferromagnetic Ordering with a Curie Temperature above 20â€…K. Angewandte Chemie - International Edition, 2016, 55, 12683-12687.	7.2	14
143	Tuning the Cell Adhesion on Biofunctionalized Nanoporous Organic Frameworks. Advanced Functional Materials, 2016, 26, 8455-8462.	7.8	29
144	Photon Upconversion at Crystalline Organicâ€“Organic Heterojunctions. Advanced Materials, 2016, 28, 8477-8482.	11.1	125

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145	Facile preparation of Au(111)/mica substrates for high-quality graphene nanoribbon synthesis. Physica Status Solidi (B): Basic Research, 2016, 253, 2362-2365.	0.7	3
146	Resistive Switching Nanodevices Based on Metalâ€“Organic Frameworks. ChemNanoMat, 2016, 2, 67-73.	1.5	58
147	Improving the Loading Capacity of Metalâ€“Organic Framework Thin Films Using Optimized Linkers. ACS Applied Materials & Interfaces, 2016, 8, 24699-24702.	4.0	10
148	Ruthenium Metalâ€“Organic Frameworks with Different Defect Types: Influence on Porosity, Sorption, and Catalytic Properties. Chemistry - A European Journal, 2016, 22, 14297-14307.	1.7	72
149	Highly oriented MOF thin film-based electrocatalytic device for the reduction of CO₂ to CO exhibiting high faradaic efficiency. Journal of Materials Chemistry A, 2016, 4, 15320-15326.	5.2	166
150	Corrosion of Concrete by Water-Induced Metalâ€“Proton Exchange. Journal of Physical Chemistry C, 2016, 120, 22455-22459.	1.5	18
151	A new class of epitaxial porphyrin metalâ€“organic framework thin films with extremely high photocarrier generation efficiency: promising materials for all-solid-state solar cells. Journal of Materials Chemistry A, 2016, 4, 12739-12747.	5.2	75
152	Adsorbate-induced lifting of substrate relaxation is a general mechanism governing titania surface chemistry. Nature Communications, 2016, 7, 12888.	5.8	23
153	Thermoelectric Properties of Highly Ordered Metal-Organic Framework Films. ECS Transactions, 2016, 75, 119-126.	0.3	8
154	ZIFâ€8 SURMOF Membranes Synthesized by Auâ€Assisted Liquid Phase Epitaxy for Application in Gas Separation. Chemie-Ingenieur-Technik, 2016, 88, 1798-1805.	0.4	41
155	Film Quality and Electronic Properties of a Surfaceâ€Anchored Metalâ€Organic Framework Revealed by using a Multiâ€technique Approach. ChemElectroChem, 2016, 3, 713-718.	1.7	22
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