

Shuhe Furukawa

List of Publications by Year in descending order

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127
papers

15,327
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151
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151
docs citations

151
times ranked

15650
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Thermal Conversion of Core–Shell Metal–Organic Frameworks: A New Method for Selectively Functionalized Nanoporous Hybrid Carbon. <i>Journal of the American Chemical Society</i> , 2015, 137, 1572-1580. | 13.7 | 1,307 |
| 2 | Three-Dimensional Porous Coordination Polymer Functionalized with Amide Groups Based on Tridentate Ligand: A Selective Sorption and Catalysis. <i>Journal of the American Chemical Society</i> , 2007, 129, 2607-2614. | 13.7 | 921 |
| 3 | Structuring of metal–organic frameworks at the mesoscopic/macroscale. <i>Chemical Society Reviews</i> , 2014, 43, 5700-5734. | 38.1 | 760 |
| 4 | Molecular decoding using luminescence from an entangled porous framework. <i>Nature Communications</i> , 2011, 2, 168. | 12.8 | 715 |
| 5 | Nanoporous Nanorods Fabricated by Coordination Modulation and Oriented Attachment Growth. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4739-4743. | 13.8 | 611 |
| 6 | Direct Carbonization of Al-Based Porous Coordination Polymer for Synthesis of Nanoporous Carbon. <i>Journal of the American Chemical Society</i> , 2012, 134, 2864-2867. | 13.7 | 588 |
| 7 | Shape-Memory Nanopores Induced in Coordination Frameworks by Crystal Downsizing. <i>Science</i> , 2013, 339, 193-196. | 12.6 | 483 |
| 8 | Application of metal and metal oxide nanoparticles@MOFs. <i>Coordination Chemistry Reviews</i> , 2016, 307, 237-254. | 18.8 | 479 |
| 9 | Controlled Multiscale Synthesis of Porous Coordination Polymer in Nano/Micro Regimes. <i>Chemistry of Materials</i> , 2010, 22, 4531-4538. | 6.7 | 459 |
| 10 | Enhanced selectivity in mixed matrix membranes for CO ₂ capture through efficient dispersion of amine-functionalized MOF nanoparticles. <i>Nature Energy</i> , 2017, 2, . | 39.5 | 428 |
| 11 | Synthesis of Prussian Blue Nanoparticles with a Hollow Interior by Controlled Chemical Etching. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 984-988. | 13.8 | 424 |
| 12 | Morphology Design of Porous Coordination Polymer Crystals by Coordination Modulation. <i>Journal of the American Chemical Society</i> , 2011, 133, 15506-15513. | 13.7 | 383 |
| 13 | Mesoscopic architectures of porous coordination polymers fabricated by pseudomorphic replication. <i>Nature Materials</i> , 2012, 11, 717-723. | 27.5 | 352 |
| 14 | Two-Dimensional Porous Molecular Networks of Dehydrobenzo[12]annulene Derivatives via Alkyl Chain Interdigitation. <i>Journal of the American Chemical Society</i> , 2006, 128, 16613-16625. | 13.7 | 343 |
| 15 | Heterogeneously Hybridized Porous Coordination Polymer Crystals: Fabrication of Heterometallic Core–Shell Single Crystals with an In–Plane Rotational Epitaxial Relationship. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1766-1770. | 13.8 | 287 |
| 16 | Using Functional Nano- and Microparticles for the Preparation of Metal–Organic Framework Composites with Novel Properties. <i>Accounts of Chemical Research</i> , 2014, 47, 396-405. | 15.6 | 264 |
| 17 | Preparation of Microporous Carbon Fibers through Carbonization of Al-Based Porous Coordination Polymer (Al-PCP) with Furfuryl Alcohol. <i>Chemistry of Materials</i> , 2011, 23, 1225-1231. | 6.7 | 231 |
| 18 | Precise Control and Consecutive Modulation of Spin Transition Temperature Using Chemical Migration in Porous Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2011, 133, 8600-8605. | 13.7 | 191 |

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|----|---|------|-----------|
| 19 | Structural Transformation of a Two-Dimensional Molecular Network in Response to Selective Guest Inclusion. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2831-2834. | 13.8 | 182 |
| 20 | Sequential Functionalization of Porous Coordination Polymer Crystals. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8057-8061. | 13.8 | 175 |
| 21 | Integration of Porous Coordination Polymers and Gold Nanorods into Core-Shell Mesoscopic Composites toward Light-Induced Molecular Release. <i>Journal of the American Chemical Society</i> , 2013, 135, 10998-11005. | 13.7 | 171 |
| 22 | Self-assembly of metal-organic polyhedra into supramolecular polymers with intrinsic microporosity. <i>Nature Communications</i> , 2018, 9, 2506. | 12.8 | 152 |
| 23 | Molecular Clusters in Two-Dimensional Surface-Confined Nanoporous Molecular Networks: Structure, Rigidity, and Dynamics. <i>Journal of the American Chemical Society</i> , 2008, 130, 7119-7129. | 13.7 | 149 |
| 24 | A block PCP crystal: anisotropic hybridization of porous coordination polymers by face-selective epitaxial growth. <i>Chemical Communications</i> , 2009, , 5097. | 4.1 | 147 |
| 25 | MOF-on-MOF heteroepitaxy: perfectly oriented [Zn2(ndc)2(dabco)] _n grown on [Cu2(ndc)2(dabco)] _n thin films. <i>Dalton Transactions</i> , 2011, 40, 4954. | 3.3 | 146 |
| 26 | Molecular Geometry Directed Kagom  and Honeycomb Networks:  Toward Two-Dimensional Crystal Engineering. <i>Journal of the American Chemical Society</i> , 2006, 128, 3502-3503. | 13.7 | 143 |
| 27 | Direct synthesis of nanoporous carbon nitride fibers using Al-based porous coordination polymers (Al-PCPs). <i>Chemical Communications</i> , 2011, 47, 8124. | 4.1 | 140 |
| 28 | MOFBOTS: Metal-Organic-Framework-Based Biomedical Microrobots. <i>Advanced Materials</i> , 2019, 31, e1901592. | 21.0 | 139 |
| 29 | Doping Light Emitters into Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8431-8433. | 13.8 | 137 |
| 30 | Coordinatively Immobilized Monolayers on Porous Coordination Polymer Crystals. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5327-5330. | 13.8 | 133 |
| 31 | Binary Janus Porous Coordination Polymer Coatings for Sensor Devices with Tunable Analyte Affinity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 341-345. | 13.8 | 125 |
| 32 | Emerging applications of metal-organic frameworks. <i>CrystEngComm</i> , 2016, 18, 6532-6542. | 2.6 | 125 |
| 33 | Localized cell stimulation by nitric oxide using a photoactive porous coordination polymer platform. <i>Nature Communications</i> , 2013, 4, 2684. | 12.8 | 122 |
| 34 | Self-assembled materials and supramolecular chemistry within microfluidic environments: from common thermodynamic states to non-equilibrium structures. <i>Chemical Society Reviews</i> , 2018, 47, 3788-3803. | 38.1 | 119 |
| 35 | Sol-Gel Processing of Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2017, 29, 2626-2645. | 6.7 | 116 |
| 36 | Design of Superhydrophobic Porous Coordination Polymers through the Introduction of External Surface Corrugation by the Use of an Aromatic Hydrocarbon Building Unit. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8225-8230. | 13.8 | 110 |

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|----|---|------|-----------|
| 37 | Postsynthetic Covalent and Coordination Functionalization of Rhodium(II)-Based Metal-Organic Polyhedra. <i>Journal of the American Chemical Society</i> , 2019, 141, 4094-4102. | 13.7 | 104 |
| 38 | Porous Coordination Polymer Hybrid Device with Quartz Oscillator: Effect of Crystal Size on Sorption Kinetics. <i>Journal of the American Chemical Society</i> , 2011, 133, 11932-11935. | 13.7 | 98 |
| 39 | Combining UV Lithography and an Imprinting Technique for Patterning Metal-Organic Frameworks. <i>Advanced Materials</i> , 2013, 25, 4701-4705. | 21.0 | 98 |
| 40 | Rhodium-Organic Cuboctahedra as Porous Solids with Strong Binding Sites. <i>Inorganic Chemistry</i> , 2016, 55, 10843-10846. | 4.0 | 97 |
| 41 | Light responsive metal-organic frameworks as controllable CO-releasing cell culture substrates. <i>Chemical Science</i> , 2017, 8, 2381-2386. | 7.4 | 96 |
| 42 | Formulation of Metal-Organic Framework Inks for the 3D Printing of Robust Microporous Solids toward High-Pressure Gas Storage and Separation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10983-10992. | 8.0 | 95 |
| 43 | Metal-Organic Cuboctahedra for Synthetic Ion Channels with Multiple Conductance States. <i>CheM</i> , 2017, 2, 393-403. | 11.7 | 89 |
| 44 | Crystal morphology-directed framework orientation in porous coordination polymer films and freestanding membranes via Langmuir-Blodgett. <i>Journal of Materials Chemistry</i> , 2012, 22, 10159. | 6.7 | 74 |
| 45 | Mechanically stable, hierarchically porous Cu ₃ (btc) ₂ (HKUST-1) monoliths via direct conversion of copper(II) hydroxide-based monoliths. <i>Chemical Communications</i> , 2015, 51, 3511-3514. | 4.1 | 67 |
| 46 | Chiral Alignment of OPV Chromophores: Exploitation of the Ureidophthalimide-Based Foldamer. <i>Journal of the American Chemical Society</i> , 2006, 128, 16113-16121. | 13.7 | 63 |
| 47 | A New Class of Cyclic Hexamer: [Co ₆ L ₆] ₂₄ ⁺ (H ₆ L=hexaazatriphenylene hexacarboxylic acid). <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3817-3819. | 13.8 | 62 |
| 48 | A Coordinative Solubilizer Method to Fabricate Soft Porous Materials from Insoluble Metal-Organic Polyhedra. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6347-6350. | 13.8 | 62 |
| 49 | Charge Transfer and Exciplex Emissions from a Naphthalenediimide-Entangled Coordination Framework Accommodating Various Aromatic Guests. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26084-26090. | 3.1 | 60 |
| 50 | Beyond Frameworks: Structuring Reticular Materials across Nano-, Meso-, and Bulk Regimes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22350-22370. | 13.8 | 60 |
| 51 | Assembling metal-organic cages as porous materials. <i>Chemical Society Reviews</i> , 2022, 51, 4876-4889. | 38.1 | 60 |
| 52 | Rhodium-Based Metal-Organic Polyhedra Assemblies for Selective CO ₂ Photoreduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 3626-3636. | 13.7 | 57 |
| 53 | Two-Dimensional Crystal Engineering at the Liquid-Solid Interface. <i>Topics in Current Chemistry</i> , 2008, 287, 87-133. | 4.0 | 56 |
| 54 | Hierarchical structuring of metal-organic framework thin-films on quartz crystal microbalance (QCM) substrates for selective adsorption applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23385-23394. | 10.3 | 56 |

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| 55 | Control over the nucleation process determines the framework topology of porous coordination polymers. <i>CrystEngComm</i> , 2010, 12, 2350. | 2.6 | 55 |
| 56 | Effect of the Metal-Assisted Assembling Mode on the Redox States of Hexaazatriphenylene Hexacarbonitrile. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2700-2704. | 13.8 | 50 |
| 57 | Diffusion-Coupled Molecular Assembly: Structuring of Coordination Polymers Across Multiple Length Scales. <i>Journal of the American Chemical Society</i> , 2014, 136, 14966-14973. | 13.7 | 50 |
| 58 | Redox reaction in two-dimensional porous coordination polymers based on ferrocenedicarboxylates. <i>Dalton Transactions</i> , 2012, 41, 3924. | 3.3 | 49 |
| 59 | Targeted functionalisation of a hierarchically-structured porous coordination polymer crystal enhances its entire function. <i>Chemical Communications</i> , 2012, 48, 6472. | 4.1 | 48 |
| 60 | Control over Flexibility of Entangled Porous Coordination Frameworks by Molecular and Mesoscopic Chemistries. <i>Chemistry Letters</i> , 2013, 42, 570-576. | 1.3 | 48 |
| 61 | Control of the charge-transfer interaction between a flexible porous coordination host and aromatic guests by framework isomerism. <i>CrystEngComm</i> , 2011, 13, 3360. | 2.6 | 46 |
| 62 | Rational synthesis of a two-dimensional honeycomb structure based on a paramagnetic paddlewheel diruthenium complex. <i>Chemical Communications</i> , 2005, , 865. | 4.1 | 43 |
| 63 | Porous Coordination Polymer with π -Lewis Acidic Pore Surfaces, $\{[\text{Cu}_3(\text{CN})_3\{\text{CN}(\text{OEt})_3\}] \cdot 3\text{THF}\}_n$. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4628-4631. | 13.8 | 43 |
| 64 | Vapor-Phase Linker Exchange of the Metal-Organic Framework ZIF-8: A Solvent-Free Approach to Post-synthetic Modification. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18471-18475. | 13.8 | 42 |
| 65 | Switchable gate-opening effect in metal-organic polyhedra assemblies through solution processing. <i>Chemical Science</i> , 2018, 9, 6463-6469. | 7.4 | 40 |
| 66 | Porosimetry for Thin Films of Metal-Organic Frameworks: A Comparison of Positron Annihilation Lifetime Spectroscopy and Adsorption-Based Methods. <i>Advanced Materials</i> , 2021, 33, e2006993. | 21.0 | 40 |
| 67 | Hypercrosslinked Polymer Gels as a Synthetic Hybridization Platform for Designing Versatile Molecular Separators. <i>Journal of the American Chemical Society</i> , 2022, 144, 6861-6870. | 13.7 | 40 |
| 68 | Neutral Paddlewheel Diruthenium Complexes with Tetracarboxylates of Large π -Conjugated Substituents: A Facile One-Pot Synthesis, Crystal Structures, and Electrochemical Studies. <i>Inorganic Chemistry</i> , 2004, 43, 6464-6472. | 4.0 | 39 |
| 69 | Mesoscopic superstructures of flexible porous coordination polymers synthesized via coordination replication. <i>Chemical Science</i> , 2015, 6, 5938-5946. | 7.4 | 39 |
| 70 | Structuralization of Ca^{2+} -Based Metal-Organic Frameworks Prepared via Coordination Replication of Calcium Carbonate. <i>Inorganic Chemistry</i> , 2016, 55, 3700-3705. | 4.0 | 39 |
| 71 | Spatiotemporal Control of Supramolecular Polymerization and Gelation of Metal-Organic Polyhedra. <i>Journal of the American Chemical Society</i> , 2021, 143, 3562-3570. | 13.7 | 39 |
| 72 | Impact of crystal orientation on the adsorption kinetics of a porous coordination polymer-quartz crystal microbalance hybrid sensor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3336. | 5.5 | 38 |

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|----|--|------|-----------|
| 73 | Influence of nanoscale structuralisation on the catalytic performance of ZIF-8: a cautionary surface catalysis study. <i>CrystEngComm</i> , 2018, 20, 4926-4934. | 2.6 | 38 |
| 74 | Confined synthesis of CdSe quantum dots in the pores of metal-organic frameworks. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7173-7175. | 5.5 | 36 |
| 75 | Partially fluorinated MIL-101(Cr): from a miniscule structure modification to a huge chemical environment transformation inspected by ¹²⁹ Xe NMR. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15101-15112. | 10.3 | 36 |
| 76 | Supramolecular Hydrophobic~Hydrophilic Nanopatterns at Electrified Interfaces. <i>Nano Letters</i> , 2007, 7, 791-795. | 9.1 | 35 |
| 77 | Enhanced properties of metal-organic framework thin films fabricated via a coordination modulation-controlled layer-by-layer process. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13665-13673. | 10.3 | 35 |
| 78 | Understanding the multiscale self-assembly of metal-organic polyhedra towards functionally graded porous gels. <i>Chemical Science</i> , 2019, 10, 10833-10842. | 7.4 | 33 |
| 79 | Two-Leg Molecular Ladders Formed by Hierarchical Self-Assembly of an Organic Radical. <i>Journal of the American Chemical Society</i> , 2009, 131, 6246-6252. | 13.7 | 31 |
| 80 | Coordination Modulation Method To Prepare New Metal-Organic Framework-Based CO-Releasing Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31158-31167. | 8.0 | 31 |
| 81 | Light-induced nitric oxide release from physiologically stable porous coordination polymers. <i>Dalton Transactions</i> , 2015, 44, 15324-15333. | 3.3 | 30 |
| 82 | Coordination/metal-organic cages inside out. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214612. | 18.8 | 29 |
| 83 | Molecular pentagonal tiling: self-assemblies of pentagonal-shaped macrocycles at liquid/solid interfaces. <i>CrystEngComm</i> , 2011, 13, 5551. | 2.6 | 28 |
| 84 | Impact of Molecular Clustering inside Nanopores on Desorption Processes. <i>Journal of the American Chemical Society</i> , 2013, 135, 4608-4611. | 13.7 | 28 |
| 85 | Particle size effects in the kinetic trapping of a structurally-locked form of a flexible MOF. <i>CrystEngComm</i> , 2016, 18, 4172-4179. | 2.6 | 28 |
| 86 | Electrochemical reactions at a porphyrin-copper interface. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5422. | 2.8 | 27 |
| 87 | Programmed crystallization via epitaxial growth and ligand replacement towards hybridizing porous coordination polymer crystals. <i>Dalton Transactions</i> , 2013, 42, 15868. | 3.3 | 27 |
| 88 | Periodic molecular boxes in entangled enantiomorphic lcy nets. <i>Chemical Communications</i> , 2010, 46, 4142. | 4.1 | 26 |
| 89 | Localized Conversion of Metal-Organic Frameworks into Polymer Gels via Light-Induced Click Chemistry. <i>Chemistry of Materials</i> , 2017, 29, 5982-5989. | 6.7 | 26 |
| 90 | Reductive coordination replication of V2O5 sacrificial macrostructures into vanadium-based porous coordination polymers. <i>CrystEngComm</i> , 2015, 17, 323-330. | 2.6 | 25 |

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|-----|---|------|-----------|
| 91 | Trapping of a Spatial Transient State During the Framework Transformation of a Porous Coordination Polymer. <i>Journal of the American Chemical Society</i> , 2014, 136, 4938-4944. | 13.7 | 24 |
| 92 | Multiscale structural control of linked metal-organic polyhedra gel by aging-induced linkage-reorganization. <i>Chemical Science</i> , 2021, 12, 12556-12563. | 7.4 | 24 |
| 93 | Enhanced Phosphorescence Emission by Incorporating Aromatic Halides into an Entangled Coordination Framework Based on Naphthalenediimide. <i>ChemPhysChem</i> , 2014, 15, 2517-2521. | 2.1 | 20 |
| 94 | Porous materials as carriers of gasotransmitters towards gas biology and therapeutic applications. <i>Chemical Communications</i> , 2020, 56, 9750-9766. | 4.1 | 20 |
| 95 | Liquid Phase Separation of Polyaromatics on [Cu ₂ (BDC) ₂ (dabco)]. <i>Langmuir</i> , 2011, 27, 9083-9087. | 3.5 | 19 |
| 96 | Porous Colloidal Hydrogels Formed by Coordination-Driven Self-Assembly of Charged Metal-Organic Polyhedra. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1092-1100. | 3.3 | 19 |
| 97 | Charting a course for chemistry. <i>Nature Chemistry</i> , 2019, 11, 286-294. | 13.6 | 18 |
| 98 | Pseudo-5-Fold-Symmetrical Ligand Drives Geometric Frustration in Porous Metal-Organic and Hydrogen-Bonded Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 13839-13845. | 13.7 | 18 |
| 99 | Anomalous temperature dependence of the sound velocities of SiO ₂ -TiO ₂ glasses. <i>Journal of Materials Science Letters</i> , 1995, 14, 697. | 0.5 | 17 |
| 100 | A Coordinative Solubilizer Method to Fabricate Soft Porous Materials from Insoluble Metal-Organic Polyhedra. <i>Angewandte Chemie</i> , 2019, 131, 6413-6416. | 2.0 | 17 |
| 101 | A selective ionic rectifier. <i>Nature Materials</i> , 2020, 19, 701-702. | 27.5 | 16 |
| 102 | Fibrous Architectures of Porous Coordination Polymers-Alumina Composites Fabricated by Coordination Replication. <i>Chemistry Letters</i> , 2014, 43, 1052-1054. | 1.3 | 15 |
| 103 | Fighting at the Interface: Structural Evolution during Heteroepitaxial Growth of Cyanometallate Coordination Polymers. <i>Inorganic Chemistry</i> , 2018, 57, 8701-8704. | 4.0 | 14 |
| 104 | Vapor-Phase Linker Exchange of the Metal-Organic Framework ZIF-8: A Solvent-Free Approach to Post-synthetic Modification. <i>Angewandte Chemie</i> , 2019, 131, 18642-18646. | 2.0 | 14 |
| 105 | Hysteresis in the gas sorption isotherms of metal-organic cages accompanied by subtle changes in molecular packing. <i>Chemical Communications</i> , 2020, 56, 3689-3692. | 4.1 | 14 |
| 106 | Directional asymmetry over multiple length scales in reticular porous materials. <i>Chemical Science</i> , 2021, 12, 18-33. | 7.4 | 14 |
| 107 | Formation of Nanocrystals of a Zinc Pillared-layer Porous Coordination Polymer Using Microwave-assisted Coordination Modulation. <i>Chemistry Letters</i> , 2012, 41, 1436-1438. | 1.3 | 13 |
| 108 | Mechanoresponsive Porosity in Metal-Organic Frameworks. <i>Trends in Chemistry</i> , 2021, 3, 254-265. | 8.5 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Photopatterning of fluorescent host-guest carriers through pore activation of metal-organic framework single crystals. Chemical Communications, 2017, 53, 7222-7225. | 4.1 | 12 |
| 110 | Fast multipoint immobilization of lipase through chiral L-proline on a MOF as a chiral bioreactor. Dalton Transactions, 2021, 50, 1866-1873. | 3.3 | 12 |
| 111 | L-Glutamic acid release from a series of aluminum-based isorecticular porous coordination polymers. Journal of Materials Chemistry B, 2015, 3, 4205-4212. | 5.8 | 11 |
| 112 | Directing the Assembly of Charged Organic Molecules by a Hydrophilic-Hydrophobic Nanostructured Monolayer at Electrified Interfaces. Nano Letters, 2008, 8, 1163-1168. | 9.1 | 10 |
| 113 | Understanding the role of linker flexibility in soft porous coordination polymers. Molecular Systems Design and Engineering, 2020, 5, 284-293. | 3.4 | 9 |
| 114 | Mehr als nur ein Netzwerk: Strukturierung retikulärer Materialien im Nano-, Meso- und Volumenbereich. Angewandte Chemie, 2020, 132, 22534-22556. | 2.0 | 8 |
| 115 | Control of Extrinsic Porosities in Linked Metal-Organic Polyhedra Gels by Imparting Coordination-Driven Self-Assembly with Electrostatic Repulsion. ACS Applied Materials & Interfaces, 2022, 14, 23660-23668. | 8.0 | 8 |
| 116 | 2D analogues of the inverted hexagonal phase self-assembled from 4,6-dialkoxylated isophthalic acids at solid-liquid interfaces. Nanoscale, 2010, 2, 1773. | 5.6 | 7 |
| 117 | Thermodynamically controlled coordination-engineering of novel 2D cadmium thiolate coordination polymers. New Journal of Chemistry, 2011, 35, 1265. | 2.8 | 7 |
| 118 | Host-Guest Metal-Organic Frameworks for Photonics. Structure and Bonding, 2013, , 167-186. | 1.0 | 6 |
| 119 | Tuning Light Emission towards White Light from a Naphthalenediimide-Based Entangled Metal-Organic Framework by Mixing Aromatic Guest Molecules. Polymers, 2018, 10, 188. | 4.5 | 6 |
| 120 | Controlled Sequential Assembly of Metal-Organic Polyhedra into Colloidal Gels with High Chemical Complexity. Small Structures, 2022, 3, . | 12.0 | 6 |
| 121 | Greater Porosity with Redox Reaction Speeds Up MOF Color Change. Chem, 2016, 1, 186-188. | 11.7 | 5 |
| 122 | Open framework materials for energy applications. APL Materials, 2020, 8, 040401. | 5.1 | 4 |
| 123 | Dynamic properties of a flexible metal-organic framework exhibiting a unique "picture frame"-like crystal morphology. Nano Research, 2021, 14, 432-437. | 10.4 | 4 |
| 124 | Terahertz phase contrast imaging of sorption kinetics in porous coordination polymer nanocrystals using differential optical resonator. Optics Express, 2014, 22, 11061. | 3.4 | 3 |
| 125 | Architecture and Functional Engineering Based on Paddlewheel Dinuclear Tetracarboxylate Building Blocks. , 2006, , 195-218. | | 1 |
| 126 | Monte Carlo wavefunction approach to the dissipative quantum-phase dynamics of two-component Bose-Einstein condensates. European Physical Journal D, 2006, 38, 523-532. | 1.3 | 1 |

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|-----|--|-----|-----------|
| 127 | Materials Designed for Biological Nitric Oxide Delivery. Fundamental Biomedical Technologies, 2021, , 125-133. | 0.2 | 1 |