

# Shengqian

## 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.

324 papers	30,792 citations	92 h-index	169 g-index
341 ext. papers	35,767 ext. citations	10 avg, IF	7.67 L-index

#	Paper	IF	Citations
324	Self-Adjusting Metal-Organic Framework for Efficient Capture of Trace Xenon and Krypton.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	5
323	Amide-Functionalized In-MOF for Effective Hydrocarbon Separation and CO Catalytic Fixation.. <i>Inorganic Chemistry</i> , <b>2022</b> ,	5.1	10
322	Efficient collection of perrhenate anions from water using poly(pyridinium salts) via pyrylium mediated transformation. <i>Polymer Chemistry</i> , <b>2022</b> , 13, 156-160	4.9	1
321	Biomimetic iron-imidazole sites into metal organic framework nanoflowers as high-affinity peroxidase mimic for colorimetric biosensing. <i>Microchemical Journal</i> , <b>2022</b> , 175, 107064	4.8	
320	Efficient oral insulin delivery enabled by transferrin-coated acid-resistant metal-organic framework nanoparticles.. <i>Science Advances</i> , <b>2022</b> , 8, eabm4677	14.3	3
319	Large-scale synthesis of N-doped carbon capsules supporting atomically dispersed iron for efficient oxygen reduction reaction electrocatalysis. <i>EScience</i> , <b>2022</b> ,		17
318	Defect engineering of enzyme-embedded metal-organic frameworks for smart cargo release. <i>Chemical Engineering Journal</i> , <b>2022</b> , 439, 135736	14.7	2
317	Installation of synergistic binding sites onto porous organic polymers for efficient removal of perfluorooctanoic acid.. <i>Nature Communications</i> , <b>2022</b> , 13, 2132	17.4	1
316	Methane storage in flexible and dynamical metal-organic frameworks. <i>Chemical Physics Reviews</i> , <b>2022</b> , 3, 021308	4.4	1
315	Anomalous thermo-osmotic conversion performance of ionic covalent-organic-framework membranes in response to charge variations. <i>Nature Communications</i> , <b>2022</b> , 13,	17.4	2
314	Enhancing Photocatalytic Hydrogen Production via the Construction of Robust Multivariate Ti-MOF/COF Composites. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	7
313	Recent development of metal-organic framework nanocomposites for biomedical applications.. <i>Biomaterials</i> , <b>2021</b> , 281, 121322	15.6	12
312	Flexible thiourea linked covalent organic frameworks. <i>CrystEngComm</i> , <b>2021</b> , 23, 7576-7580	3.3	1
311	Functionalized Iron-Nitrogen-Carbon Electrocatalyst Provides a Reversible Electron Transfer Platform for Efficient Uranium Extraction from Seawater. <i>Advanced Materials</i> , <b>2021</b> , e2106621	24	42
310	Covalent organic framework nanofluidic membrane as a platform for highly sensitive bionic thermosensation. <i>Nature Communications</i> , <b>2021</b> , 12, 1844	17.4	23
309	3D Cationic Polymeric Network Nanotrap for Efficient Collection of Perrhenate Anion from Wastewater. <i>Small</i> , <b>2021</b> , 17, e2007994	11	12
308	Green synthesis of olefin-linked covalent organic frameworks for hydrogen fuel cell applications. <i>Nature Communications</i> , <b>2021</b> , 12, 1982	17.4	40

307	Nanospace Engineering of Metal-Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 9766-9771	3.6	3
306	Nanospace Engineering of Metal-Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9680-9685	16.4	28
305	Two Manganese Metalloporphyrin Frameworks Constructed from a Custom-Designed Porphyrin Ligand Exhibiting Selective Uptake of CO <sub>2</sub> over CH <sub>4</sub> and Catalytic Activity for CO <sub>2</sub> Fixation. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 2786-2792	3.5	1
304	Efficient Electron Transfer from Electron-Sponge Polyoxometalate to Single-Metal Site Metal-Organic Frameworks for Highly Selective Electroreduction of Carbon Dioxide. <i>Small</i> , <b>2021</b> , 17, e2100762	11	7
303	Synthesis and Acid-Responsive Properties of a Highly Porous Vinylene-Linked Covalent Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 26431-26440	9.5	13
302	Highly Stable Single Crystals of Three-Dimensional Porous Oligomer Frameworks Synthesized under Kinetic Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14664-14670	16.4	8
301	Imparting Ion Selectivity to Covalent Organic Framework Membranes Using Assembly for Blue Energy Harvesting. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9415-9422	16.4	21
300	Highly Stable Single Crystals of Three-Dimensional Porous Oligomer Frameworks Synthesized under Kinetic Conditions. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14785-14791	3.6	1
299	Bio-inspired construction of ion conductive pathway in covalent organic framework membranes for efficient lithium extraction. <i>Matter</i> , <b>2021</b> , 4, 2027-2038	12.7	19
298	A robust soc-MOF platform exhibiting high gravimetric uptake and volumetric deliverable capacity for on-board methane storage. <i>Nano Research</i> , <b>2021</b> , 14, 512-517	10	17
297	De novo synthesis of bifunctional conjugated microporous polymers for synergistic coordination mediated uranium entrapment. <i>Nano Research</i> , <b>2021</b> , 14, 788-796	10	12
296	Spatial Engineering Direct Cooperativity between Binding Sites for Uranium Sequestration. <i>Advanced Science</i> , <b>2021</b> , 8, 2001573	13.6	19
295	Rational Construction of Borromean Linked Crystalline Organic Polymers. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2974-2979	16.4	6
294	Copper(I)-modified covalent organic framework for CO <sub>2</sub> insertion to terminal alkynes. <i>Molecular Catalysis</i> , <b>2021</b> , 499, 111319	3.3	6
293	Tunable nonlinear optical responses based on host-guest MOF hybrid materials. <i>Science China Materials</i> , <b>2021</b> , 64, 698-705	7.1	7
292	Single-Pore versus Dual-Pore Bipyridine-Based Covalent-Organic Frameworks: An Insight into the Heterogeneous Catalytic Activity for Selective C-H Functionalization. <i>Small</i> , <b>2021</b> , 17, e2003970	11	8
291	A window-space-directed assembly strategy for the construction of supertetrahedron-based zeolitic mesoporous metal-organic frameworks with ultramicroporous apertures for selective gas adsorption. <i>Chemical Science</i> , <b>2021</b> , 12, 5767-5773	9.4	3
290	Structural Variation and Switchable Nonlinear Optical Behavior of Metal-Organic Frameworks. <i>Small</i> , <b>2021</b> , 17, e2006649	11	11

- 289 A MOF-based Ultra-Strong Acetylene Nano-trap for Highly Efficient C<sub>2</sub>H<sub>2</sub>/CO<sub>2</sub> Separation. *Angewandte Chemie*, **2021**, 133, 5343-5348 3.6 23
- 288 Understanding the Ion Transport Behavior across Nanofluidic Membranes in Response to the Charge Variations. *Advanced Functional Materials*, **2021**, 31, 2009970 15.6 12
- 287 Fabrication of Robust Covalent Organic Frameworks for Enhanced Visible-Light-Driven H<sub>2</sub> Evolution. *ACS Catalysis*, **2021**, 11, 2098-2107 13.1 29
- 286 A MOF-based Ultra-Strong Acetylene Nano-trap for Highly Efficient C<sub>2</sub>H<sub>2</sub>/CO<sub>2</sub> Separation. *Angewandte Chemie - International Edition*, **2021**, 60, 5283-5288 16.4 56
- 285 Indium-Organic Framework with Topology as a Versatile Catalyst for Highly Efficient One-Pot Strecker Synthesis of  $\alpha$ -Aminonitriles. *ACS Applied Materials & Interfaces*, **2021**, 9.5 7
- 284 Functional Porphyrinic Metal-Organic Framework as a New Class of Heterogeneous Halogen-Bond-Donor Catalyst. *Angewandte Chemie - International Edition*, **2021**, 60, 24312-24317 16.4 5
- 283 Second-Sphere Interaction Promoted Turn-On Fluorescence for Selective Sensing of Organic Amines in a Tb(III)-based Macrocyclic Framework. *Angewandte Chemie*, **2021**, 133, 23898 3.6 1
- 282 Second-Sphere Interaction Promoted Turn-On Fluorescence for Selective Sensing of Organic Amines in a Tb(III)-based Macrocyclic Framework. *Angewandte Chemie - International Edition*, **2021**, 60, 23705-23712 16.4 12
- 281 Functional Porphyrinic Metal-Organic Framework as a New Class of Heterogeneous Halogen-Bond-Donor Catalyst. *Angewandte Chemie*, **2021**, 133, 24514 3.6 0
- 280 Nanospace Decoration with Uranyl-Specific "Hooks" for Selective Uranium Extraction from Seawater with Ultrahigh Enrichment Index. *ACS Central Science*, **2021**, 7, 1650-1656 16.8 5
- 279 In situ monitoring of protein transfer into nanoscale channels. *Cell Reports Physical Science*, **2021**, 2, 100576 5.6 2
- 278 High proton selectivity membrane based on the keto-linked cationic covalent organic framework for acid recovery. *Journal of Membrane Science*, **2021**, 640, 119800 9.6 3
- 277 Rational design of bifunctional conjugated microporous polymers. *Nanoscale Advances*, **2021**, 3, 4891-4906 9.6 7
- 276 Metal-Organic Framework Based Hydrogen-Bonding Nanotrap for Efficient Acetylene Storage and Separation.. *Journal of the American Chemical Society*, **2021**, 16.4 25
- 275 Cetylpyridinium Trichlorostannate: Synthesis, Antimicrobial Properties, and Controlled-Release Properties via Electrical Resistance Tomography.. *ACS Omega*, **2021**, 6, 35433-35441 3.9 1
- 274 Synthesis, Characterization, and Antimicrobial Investigation of a Novel Chlorhexidine Cyclamate Complex. *Crystal Growth and Design*, **2020**, 20, 4991-4999 3.5 2
- 273 Postsynthetic Oxidation of the Coordination Site in a Heterometallic Metal-Organic Framework: Tuning Catalytic Behaviors. *Chemistry of Materials*, **2020**, 32, 5192-5199 9.6 11
- 272 A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium. *Angewandte Chemie*, **2020**, 132, 19786-19790 3.6 4

271	A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19618-19622	16.4	16
270	The first ternary Nd-MOF/GO/FeO nanocomposite exhibiting an excellent photocatalytic performance for dye degradation. <i>Dalton Transactions</i> , <b>2020</b> , 49, 10745-10754	4.3	23
269	Metal-Organic Framework Disintegrants: Enzyme Preparation Platforms with Boosted Activity. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16764-16769	16.4	43
268	Cationic porous aromatic framework with hierarchical structure for selective, rapid and efficient removal of anionic dyes from water. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	0
267	Robust Bimetallic Ultramicroporous Metal-Organic Framework for Separation and Purification of Noble Gases. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 4868-4873	5.1	20
266	Highly efficient electrocatalytic hydrogen evolution promoted by O-Mo-C interfaces of ultrafine EMoC nanostructures. <i>Chemical Science</i> , <b>2020</b> , 11, 3523-3530	9.4	29
265	Fabricating Covalent Organic Framework Capsules with Commodious Microenvironment for Enzymes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6675-6681	16.4	108
264	PEG@ZIF-8/PVDF Nanocomposite Membrane for Efficient Pervaporation Desulfurization via a Layer-by-Layer Technology. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20664-20671	9.5	18
263	Beyond confined catalysis in porous materials. <i>National Science Review</i> , <b>2020</b> , 7, 994-995	10.8	1
262	Secondary Sphere Effects on Porous Polymeric Organocatalysts for CO Transformations: Subtle Modifications Resulting in Superior Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 32827-32833	9.5	15
261	Fabrication of Microporous Metal-Organic Frameworks in Uninterrupted Mesoporous Tunnels: Hierarchical Structure for Efficient Trypsin Immobilization and Stabilization. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6490-6496	3.6	2
260	A Corrole-Based Covalent Organic Framework Featuring Desymmetrized Topology. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4384-4389	3.6	1
259	Optimizing the performance of porous pyridinium frameworks for carbon dioxide transformation. <i>Catalysis Today</i> , <b>2020</b> , 356, 557-562	5.3	6
258	Covalent organic frameworks for separation applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 708-735	58.5	376
257	Protein-Structure-Directed Metal-Organic Zeolite-like Networks as Biomacromolecule Carriers. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6263-6267	16.4	33
256	Synthesis, Characterization, and Investigation of the Antimicrobial Activity of Cetylpyridinium Tetrachlorozincate. <i>ACS Omega</i> , <b>2020</b> , 5, 10359-10365	3.9	5
255	Tailored Porous Organic Polymers for Task-Specific Water Purification. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 812-821	24.3	64
254	Intrinsic adsorption behaviour related to the structural and mechanical properties of flexible metal-organic frameworks Co(bdp). <i>Computational Materials Science</i> , <b>2020</b> , 177, 109543	3.2	2

253	A Corrole-Based Covalent Organic Framework Featuring Desymmetrized Topology. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4354-4359	16.4	42
252	Improved catalytic activity on the thermal decomposition of ammonium perchlorate and efficient adsorption of uranium using a novel ultra-low density ALO-based aerogels. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 387, 122015	12.8	29
251	Skeleton Engineering of Homocoupled Conjugated Microporous Polymers for Highly Efficient Uranium Capture via Synergistic Coordination. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 3688-3695	10.5	31
250	Programming Covalent Organic Frameworks for Photocatalysis: Investigation of Chemical and Structural Variations. <i>Matter</i> , <b>2020</b> , 2, 416-427	12.7	57
249	Recent advances in MOF-based photocatalysis: environmental remediation under visible light. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 300-339	6.8	188
248	Combined Intrinsic and Extrinsic Proton Conduction in Robust Covalent Organic Frameworks for Hydrogen Fuel Cell Applications. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3678-3684	16.4	103
247	Fabrication of Fe-POMs as Visible-light-active Heterogeneous Photocatalyst. <i>Chemical Research in Chinese Universities</i> , <b>2020</b> , 36, 1128-1135	2.2	1
246	Comparison of the use of functional porous organic polymer (POP) and natural material zeolite for nitrogen removal and recovery from source-separated urine. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104296	6.8	4
245	A Mixed-Metal Porphyrinic Framework Promoting Gas-Phase CO Photoreduction without Organic Sacrificial Agents. <i>ChemSusChem</i> , <b>2020</b> , 13, 6273-6277	8.3	8
244	Exploration of advanced porous organic polymers as a platform for biomimetic catalysis and molecular recognition. <i>Chemical Communications</i> , <b>2020</b> , 56, 10631-10641	5.8	17
243	Efficient separation of xylene isomers by a guest-responsive metal-organic framework with rotational anionic sites. <i>Nature Communications</i> , <b>2020</b> , 11, 5456	17.4	20
242	Ultrahigh and economical uranium extraction from seawater via interconnected open-pore architecture poly(amidoxime) fiber. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22032-22044	13	26
241	COF-inspired fabrication of two-dimensional polyoxometalate based open frameworks for biomimetic catalysis. <i>Nanoscale</i> , <b>2020</b> , 12, 21218-21224	7.7	7
240	Röntgenbild: A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium (Angew. Chem. 44/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19892-19892	3.6	
239	Metal-Organic Frameworks for Enzyme Immobilization: Beyond Host Matrix Materials. <i>ACS Central Science</i> , <b>2020</b> , 6, 1497-1506	16.8	89
238	Core-satellite metal-organic framework@upconversion nanoparticle superstructures via electrostatic self-assembly for efficient photodynamic theranostics. <i>Nano Research</i> , <b>2020</b> , 13, 3377-3386 <sup>10</sup>		21
237	Fabrication of Photoresponsive Crystalline Artificial Muscles Based on PEGylated Covalent Organic Framework Membranes. <i>ACS Central Science</i> , <b>2020</b> , 6, 787-794	16.8	29
236	Preparation of Magnetic Porous Aromatic Framework for Rapid and Efficient Removal of Organic Pollutants from Water. <i>Analytical Sciences</i> , <b>2020</b> , 36, 1157-1163	1.7	0



235	Fabrication of Microporous Metal-Organic Frameworks in Uninterrupted Mesoporous Tunnels: Hierarchical Structure for Efficient Trypsin Immobilization and Stabilization. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6428-6434	16.4	22
234	Heterogenization of Trinuclear Palladium Complex into an Anionic Metal-Organic Framework through Postsynthetic Cation Exchange. <i>Organometallics</i> , <b>2019</b> , 38, 3460-3465	3.8	14
233	Microporous Cyclen-Based Octacarboxylate Hydrogen-Bonded Organic Framework Exhibiting Selective Gas Adsorption. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 6377-6380	3.5	5
232	Incorporation of biomolecules in Metal-Organic Frameworks for advanced applications. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 384, 90-106	23.2	117
231	Hollow capsules of doped carbon incorporating metal@metal sulfide and metal@metal oxide core-shell nanoparticles derived from metal-organic framework composites for efficient oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3624-3631	13	40
230	A Metal-Organic Framework Based Methane Nano-trap for the Capture of Coal-Mine Methane. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10244-10247	3.6	20
229	Tunable Synthesis of Hollow Metal-Nitrogen-Carbon Capsules for Efficient Oxygen Reduction Catalysis in Proton Exchange Membrane Fuel Cells. <i>ACS Nano</i> , <b>2019</b> , 13, 8087-8098	16.7	68
228	PolyCOFs: A New Class of Freestanding Responsive Covalent Organic Framework Membranes with High Mechanical Performance. <i>ACS Central Science</i> , <b>2019</b> , 5, 1352-1359	16.8	75
227	Recent advances in fabrication strategies and protein preservation application of protein-nanomaterial hybrids: Integration and synergy. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 118, 434-443	14.6	9
226	Solvent-assisted coordination driven assembly of a supramolecular architecture featuring two types of connectivity from discrete nanocages. <i>Chemical Science</i> , <b>2019</b> , 10, 6661-6665	9.4	18
225	A Metal-Organic Framework Based Methane Nano-trap for the Capture of Coal-Mine Methane. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 10138-10141	16.4	92
224	Porous metal-metalloporphyrin gel as catalytic binding pocket for highly efficient synergistic catalysis. <i>Nature Communications</i> , <b>2019</b> , 10, 1913	17.4	24
223	Structural Engineering of Low-Dimensional Metal-Organic Frameworks: Synthesis, Properties, and Applications. <i>Advanced Science</i> , <b>2019</b> , 6, 1802373	13.6	138
222	Pore environment engineering in metal-organic frameworks for efficient ethane/ethylene separation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13585-13590	13	63
221	Reversible Structural Transformations of Metal-Organic Frameworks as Artificial Switchable Catalysts for Dynamic Control of Selectively Cyanation Reaction. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10366-10374	4.8	16
220	Tuning Pore Heterogeneity in Covalent Organic Frameworks for Enhanced Enzyme Accessibility and Resistance against Denaturants. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900008	24	57
219	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8762-8767	3.6	34
218	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8670-8675	16.4	70

217	Optimizing radionuclide sequestration in anion nanotraps with record pertechnetate sorption. <i>Nature Communications</i> , <b>2019</b> , 10, 1646	17.4	57
216	Promoting Frustrated Lewis Pairs for Heterogeneous Chemoselective Hydrogenation via the Tailored Pore Environment within Metal-Organic Frameworks. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7498-7502	3.6	11
215	Opportunities of Porous Organic Polymers for Radionuclide Sequestration. <i>Trends in Chemistry</i> , <b>2019</b> , 1, 292-303	14.8	56
214	Squaramide-decorated covalent organic framework as a new platform for biomimetic hydrogen-bonding organocatalysis. <i>Chemical Communications</i> , <b>2019</b> , 55, 5423-5426	5.8	21
213	Promoting Frustrated Lewis Pairs for Heterogeneous Chemoselective Hydrogenation via the Tailored Pore Environment within Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7420-7424	16.4	47
212	Vanadium Docked Covalent-Organic Frameworks: An Effective Heterogeneous Catalyst for Modified Mannich-Type Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 4878-4888	8.3	29
211	De Novo Design and Facile Synthesis of 2D Covalent Organic Frameworks: A Two-in-One Strategy. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 13822-13828	16.4	103
210	Robust Corrole-Based Metal-Organic Frameworks with Rare 9-Connected Zr/Hf-Oxo Clusters. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 14443-14450	16.4	48
209	Design Strategies to Enhance Amidoxime Chelators for Uranium Recovery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 30919-30926	9.5	50
208	Investigation of the Anticancer Activity of Coordination-Driven Self-Assembled Two-Dimensional Ruthenium Metalla-Rectangle. <i>Molecules</i> , <b>2019</b> , 24,	4.8	5
207	Bio-inspired creation of heterogeneous reaction vessels via polymerization of supramolecular ion pair. <i>Nature Communications</i> , <b>2019</b> , 10, 3059	17.4	11
206	Sensing and sequestration of inorganic cationic pollutants by metal-organic frameworks	2019, 63-93	1
205	A recyclable indole-based polymer for trinitrotoluene adsorption via the synergistic effect of dipole and donor-acceptor interactions. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4632-4636	4.9	9
204	Membrane-supported 1D MOF hollow superstructure array prepared by polydopamine-regulated contra-diffusion synthesis for uranium entrapment. <i>Environmental Pollution</i> , <b>2019</b> , 253, 39-48	9.3	27
203	Iridium complex immobilization on covalent organic framework for effective C-H borylation. <i>APL Materials</i> , <b>2019</b> , 7, 101111	5.7	11
202	Frontispiz: Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. <i>Angewandte Chemie</i> , <b>2019</b> , 131,	3.6	1
201	Packaging and delivering enzymes by amorphous metal-organic frameworks. <i>Nature Communications</i> , <b>2019</b> , 10, 5165	17.4	119
200	Pore surface engineering of covalent organic frameworks: structural diversity and applications. <i>Nanoscale</i> , <b>2019</b> , 11, 21679-21708	7.7	49



199	Regulation of the Degree of Interpenetration in Metal-Organic Frameworks. <i>Topics in Current Chemistry</i> , <b>2019</b> , 378, 4	7.2	14
198	Siderophore-inspired chelator hijacks uranium from aqueous medium. <i>Nature Communications</i> , <b>2019</b> , 10, 819	17.4	58
197	Innenrücktitelbild: A Metal-Organic Framework Based Methane Nano-trap for the Capture of Coal-Mine Methane (Angew. Chem. 30/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10483-10483	3.6	
196	Mapping out the Degree of Freedom of Hosted Enzymes in Confined Spatial Environments. <i>Chem</i> , <b>2019</b> , 5, 3184-3195	16.2	32
195	Covalent Organic Framework Decorated with Vanadium as a New Platform for Prins Reaction and Sulfide Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3070-3079	9.5	51
194	Chemical Detection Using a Metal-Organic Framework Single Crystal Coupled to an Optical Fiber. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4393-4398	9.5	27
193	Antibodies@MOFs: An In Vitro Protective Coating for Preparation and Storage of Biopharmaceuticals. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805148	24	93
192	Opportunities of Covalent Organic Frameworks for Advanced Applications. <i>Advanced Science</i> , <b>2019</b> , 6, 1801410	13.6	244
191	Indium-Organic Frameworks Based on Dual Secondary Building Units Featuring Halogen-Decorated Channels for Highly Effective CO <sub>2</sub> Fixation. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1084-1091	9.6	97
190	Photomechanical Organic Crystals as Smart Materials for Advanced Applications. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5611-5622	4.8	41
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61	Size-selective biocatalysis of myoglobin immobilized into a mesoporous metal-organic framework with hierarchical pore sizes. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 9156-8	5.1	132
60	Quest for highly porous metal-metalloporphyrin framework based upon a custom-designed octatopic porphyrin ligand. <i>Chemical Communications</i> , <b>2012</b> , 48, 7173-5	5.8	85
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51	Cobalt imidazolate framework as precursor for oxygen reduction reaction electrocatalysts. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 2063-7	4.8	342
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47	A robust highly interpenetrated metal-organic framework constructed from pentanuclear clusters for selective sorption of gas molecules. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8444-8	5.1	93
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