

Jing Li

List of Publications by Year in descending order

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453
papers

41,425
citations

2565

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all docs

500
docs citations

500
times ranked

27927
citing authors

#	ARTICLE	IF	CITATIONS
1	R-isophthalic Acid-based Coordination Polymers (R = Hydrogen or Bromine). <i>Chimia</i> , 2022, 67, 393.	0.3	4
2	Large scale synthesis and propylene purification by a high-performance MOF sorbent Y-abtc. <i>Separation and Purification Technology</i> , 2022, 282, 120010.	3.9	12
3	Achieving a blue-excitable yellow-emitting Ca-LMOF phosphor <i>via</i> water induced phase transformation. <i>Chemical Science</i> , 2022, 13, 1375-1381.	3.7	2
4	A Microporous Metal-Organic Framework Incorporating Both Primary and Secondary Building Units for Splitting Alkane Isomers. <i>Journal of the American Chemical Society</i> , 2022, 144, 3766-3770.	6.6	36
5	Metal-organic frameworks with <i>btw</i> -type connectivity: design, pore structure engineering, and potential applications. <i>CrystEngComm</i> , 2022, 24, 2189-2200.	1.3	5
6	A Tetrathiafulvalene/Naphthalene Diimide-Containing Metal-Organic Framework with <i>fsc</i> Topology for Highly Efficient Near-Infrared Photothermal Conversion. <i>Inorganic Chemistry</i> , 2022, 61, 3078-3085.	1.9	13
7	A Benzothiadiazole-Based Eu ³⁺ Metal-Organic Framework as the Turn-On Luminescent Sensor toward Al ³⁺ and Ga ³⁺ with Potential Bioimaging Application. <i>Inorganic Chemistry</i> , 2022, 61, 3607-3615.	1.9	61
8	Decoding the Gate Opening Mechanism of the Flexible Framework RPM ³ -Zn upon Hydrocarbon Inclusion. <i>Chemistry of Materials</i> , 2022, 34, 3246-3252.	3.2	3
9	Balancing uptake and selectivity in a copper-based metal-organic framework for xenon and krypton separation. <i>Separation and Purification Technology</i> , 2022, 291, 120932.	3.9	9
10	Full-Color Emission in Multicomponent Metal-Organic Frameworks via Linker Installation. <i>Inorganic Chemistry</i> , 2022, 61, 3363-3367.	1.9	9
11	Metal-Organic Framework Based Hydrogen-Bonding Nanotrap for Efficient Acetylene Storage and Separation. <i>Journal of the American Chemical Society</i> , 2022, 144, 1681-1689.	6.6	172
12	Metal-organic frameworks as effective sensors and scavengers for toxic environmental pollutants. <i>National Science Review</i> , 2022, 9, .	4.6	35
13	Adsorption and Release of 1-Methylcyclopropene by Metal-Organic Frameworks for Fruit Preservation. , 2022, 4, 1053-1057.		8
14	Customized Synthesis: Solvent- and Acid-Assisted Topology Evolution in Zirconium-Tetracarboxylate Frameworks. <i>Inorganic Chemistry</i> , 2022, 61, 7980-7988.	1.9	13
15	Separation of naphtha on a series of ultramicroporous MOFs: A comparative study with zeolites. <i>Separation and Purification Technology</i> , 2022, 294, 121219.	3.9	12
16	A {Zn ₄ } cluster as a bi-functional luminescence sensor for highly sensitive detection of chloride ions and histidine in aqueous media. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8979-8993.	2.7	14
17	A Water-Resistant Hydrogen-Bonded Organic Framework for Ethane/Ethylene Separation in Humid Environments. , 2022, 4, 1227-1232.		33
18	Building an emission library of donor-acceptor-donor type linker-based luminescent metal-organic frameworks. <i>Chemical Science</i> , 2022, 13, 8036-8044.	3.7	15

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19	CO ₂ Capture by Hybrid Ultramicroporous TIFSIX-3-Ni under Humid Conditions Using Non-Equilibrium Cycling. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	17
20	New Approach toward Dual-Emissive Organic-Inorganic Hybrids by Integrating Mn(II) and Cu(I) Emission Centers in Ionic Crystals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31000-31009.	4.0	11
21	Discrimination of xylene isomers in a stacked coordination polymer. <i>Science</i> , 2022, 377, 335-339.	6.0	94
22	Engineering bidirectional CMC-foam-supported HKUST-1@graphdiyne with enhanced heat/mass transfer for the highly efficient adsorption and regeneration of acetaldehyde. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4066-4074.	5.2	23
23	Calcium-Based Metal-Organic Frameworks and Their Potential Applications. <i>Small</i> , 2021, 17, e2005165.	5.2	30
24	Tuning the excited-state intramolecular proton transfer (ESIPT)-based luminescence of metal-organic frameworks by metal nodes toward versatile photoluminescent applications. <i>Dalton Transactions</i> , 2021, 50, 6901-6912.	1.6	22
25	Separation of alkane and alkene mixtures by metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20874-20896.	5.2	54
26	All-in-one: a new approach toward robust and solution-processable copper halide hybrid semiconductors by integrating covalent, coordinate and ionic bonds in their structures. <i>Chemical Science</i> , 2021, 12, 3805-3817.	3.7	40
27	An antimony based organic-inorganic hybrid coating material with high quantum efficiency and thermal quenching effect. <i>Chemical Communications</i> , 2021, 57, 1754-1757.	2.2	18
28	Nanocage-Based N-Rich Metal-Organic Framework for Luminescence Sensing toward Fe ³⁺ and Cu ²⁺ Ions. <i>Inorganic Chemistry</i> , 2021, 60, 671-681.	1.9	97
29	High-Efficiency Separation of n-Hexane by a Dynamic Metal-Organic Framework with Reduced Energy Consumption. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10593-10597.	7.2	42
30	High-Efficiency Separation of n-Hexane by a Dynamic Metal-Organic Framework with Reduced Energy Consumption. <i>Angewandte Chemie</i> , 2021, 133, 10687-10691.	1.6	10
31	Fluorescent Detection of Carbon Disulfide by a Highly Emissive and Robust Isoreticular Series of Zr-Based Luminescent Metal Organic Frameworks (LMOFs). <i>Chemistry</i> , 2021, 3, 327-337.	0.9	11
32	Facile synthesis of Fe ₃ O ₄ @MIL-100(Fe) towards enhancing photo-Fenton like degradation of levofloxacin via a synergistic effect between Fe ₃ O ₄ and MIL-100(Fe). <i>Chemical Engineering Journal</i> , 2021, 409, 128274.	6.6	130
33	Ultrastable Zirconium-Based Cationic Metal-Organic Frameworks for Perrhenate Removal from Wastewater. <i>Inorganic Chemistry</i> , 2021, 60, 11730-11738.	1.9	22
34	Defect Termination in the UiO-66 Family of Metal-Organic Frameworks: The Role of Water and Modulator. <i>Journal of the American Chemical Society</i> , 2021, 143, 6328-6332.	6.6	74
35	Portable smartphone platform integrated with fluorescent test strip based on Eu ³⁺ -functionalized copper nanoclusters for on-site visual recognition of a pathogenic biomarker. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129495.	4.0	26
36	II-VI Organic-Inorganic Hybrid Nanostructures with Greatly Enhanced Optoelectronic Properties, Perfectly Ordered Structures, and Shelf Stability of Over 15 Years. <i>ACS Nano</i> , 2021, 15, 10565-10576.	7.3	9

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37	Tuning Chromophore-Based LMOF Dimensionality to Enhance Detection Sensitivity for Fe ³⁺ Ions. ACS Omega, 2021, 6, 16498-16506.	1.6	10
38	Two-Dimensional Copper Iodide-Based Inorganic-Organic Hybrid Semiconductors: Synthesis, Structures, and Optical and Transport Properties. Chemistry of Materials, 2021, 33, 5317-5325.	3.2	26
39	A New Type of Hybrid Copper Iodide as Nontoxic and Ultrastable LED Emissive Layer Material. ACS Energy Letters, 2021, 6, 2565-2574.	8.8	46
40	Linker Engineering toward Full-Color Emission of UiO-68 Type Metal-Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 10547-10552.	6.6	54
41	Upgrading Octane Number of Naphtha by a Robust and Easily Attainable Metal-Organic Framework through Selective Molecular Sieving of Alkane Isomers. Chemistry - A European Journal, 2021, 27, 11795-11798.	1.7	20
42	Flexible Zn-MOF with Rare Underlying <i>t</i> Topology for Effective Separation of C6 Alkane Isomers. ACS Applied Materials & Interfaces, 2021, 13, 51997-52005.	4.0	22
43	Tuning and Directing Energy Transfer in the Whole Visible Spectrum through Linker Installation in Metal-Organic Frameworks. Angewandte Chemie, 2021, 133, 25252-25258.	1.6	5
44	Tuning the Adsorption Properties of Metal-Organic Frameworks through Coadsorbed Ammonia. ACS Applied Materials & Interfaces, 2021, 13, 43661-43667.	4.0	6
45	Tuning and Directing Energy Transfer in the Whole Visible Spectrum through Linker Installation in Metal-Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 25048-25054.	7.2	39
46	A switchable sensor and scavenger: detection and removal of fluorinated chemical species by a luminescent metal-organic framework. Chemical Science, 2021, 12, 14189-14197.	3.7	26
47	Fluorescent sensors for aldehydes based on luminescent metal-organic frameworks. Dalton Transactions, 2021, 50, 7166-7175.	1.6	26
48	Copper(I) iodide-based organic-inorganic hybrid compounds as phosphor materials. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 759-764.	0.3	6
49	A Cd-MOF fluorescence sensor with dual functional sites for efficient detection of metal ions in multifarious water environments. CrystEngComm, 2021, 23, 8392-8403.	1.3	20
50	Efficient separation of xylene isomers by using a robust calcium-based metal-organic framework through a synergetic thermodynamically and kinetically controlled mechanism. Journal of Materials Chemistry A, 2021, 9, 26202-26207.	5.2	7
51	Three Robust Blue-Emitting Anionic Metal-Organic Frameworks with High Stability and Good Proton Conductivities. Inorganic Chemistry, 2021, 60, 17926-17932.	1.9	15
52	Pore Distortion in a Metal-Organic Framework for Regulated Separation of Propane and Propylene. Journal of the American Chemical Society, 2021, 143, 19300-19305.	6.6	72
53	Chromism of three coordination polymers based on 1-(2-carboxyethyl)-4,4'-bipyridinium ligand. Dyes and Pigments, 2020, 172, 107792.	2.0	9
54	Strongly emissive white-light-emitting silver iodide based inorganic-organic hybrid structures with comparable quantum efficiency to commercial phosphors. Chemical Communications, 2020, 56, 1481-1484.	2.2	20

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55	Rational design of a high-efficiency, multivariate metal-organic framework phosphor for white LED bulbs. <i>Chemical Science</i> , 2020, 11, 1814-1824.	3.7	43
56	A self-calibrating dual responsive platform for the sensitive detection of sulfite and sulfonic derivatives based on a robust Hf(IV) metal-organic framework. <i>Chemical Communications</i> , 2020, 56, 631-634.	2.2	16
57	Crystalline Al ₂ O ₃ modified porous poly(aryl ether ketone) (PAEK) composite separators for high performance lithium-ion batteries via an electrospinning technique. <i>CrystEngComm</i> , 2020, 22, 1577-1585.	1.3	7
58	Enhanced hydrogen storage/sensing of metal hydrides by nanomodification. <i>Materials Today Nano</i> , 2020, 9, 100071.	2.3	58
59	Photoresponsive characteristics of five supramolecular assemblies derived from benzenecarboxylate donors and viologen acceptors. <i>Dyes and Pigments</i> , 2020, 174, 108101.	2.0	8
60	A new photochromic Gd-MOF with photoswitchable bluish-white to greenish-yellow emission based on electron transfer. <i>Chemical Communications</i> , 2020, 56, 14689-14692.	2.2	36
61	Blue-shifted aggregation-induced enhancement of a Sn(IV) fluoride complex: the role of fluorine in luminescence enhancement. <i>Chemical Communications</i> , 2020, 56, 9648-9650.	2.2	4
62	Family of Robust and Strongly Luminescent CuI-Based Hybrid Networks Made of Ionic and Dative Bonds. <i>Chemistry of Materials</i> , 2020, 32, 10708-10718.	3.2	49
63	Eco-friendly, solution-processable and efficient low-energy lighting phosphors: copper halide based hybrid semiconductors Cu ₄ X ₆ (L) ₂ (X = Br, I) composed of covalent, ionic and coordinate bonds. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16790-16797.	2.7	24
64	Crystallizing Atomic Xenon in a Flexible MOF to Probe and Understand Its Temperature-Dependent Breathing Behavior and Unusual Gas Adsorption Phenomenon. <i>Journal of the American Chemical Society</i> , 2020, 142, 20088-20097.	6.6	62
65	Functionalizing Luminescent Metal-Organic Frameworks for Enhanced Photoluminescence. <i>ACS Energy Letters</i> , 2020, 5, 2671-2680.	8.8	58
66	Functional metal-organic frameworks as effective sensors of gases and volatile compounds. <i>Chemical Society Reviews</i> , 2020, 49, 6364-6401.	18.7	784
67	Porous Ti-MOF-74 Framework as a Strong-Binding Nitric Oxide Scavenger. <i>Journal of the American Chemical Society</i> , 2020, 142, 16562-16568.	6.6	27
68	Enhanced fluorescence by increasing dimensionality: a novel three-dimensional luminescent metal-organic framework with rigidified ligands. <i>CrystEngComm</i> , 2020, 22, 5946-5948.	1.3	6
69	The Best of Both Worlds: An MOP/COF-Based Hybrid Material for Highly Selective and Very Fast Sequestration of Toxic Oxoanions from Water. <i>ACS Central Science</i> , 2020, 6, 1476-1478.	5.3	4
70	A robust and multifunctional calcium coordination polymer as a selective fluorescent sensor for acetone and iron (+3) and as a tunable proton conductor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16784-16789.	2.7	18
71	Zero-dimensional ionic antimony halide inorganic-organic hybrid with strong greenish yellow emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7300-7303.	2.7	35
72	Building a robust 3D Ca-MOF by a new square Ca ₄ O SBU for purification of natural gas. <i>Dalton Transactions</i> , 2020, 49, 8836-8840.	1.6	19

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73	Thermally Activated Adsorption in Metal-Organic Frameworks with a Temperature-Tunable Diffusion Barrier Layer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18468-18472.	7.2	8
74	Separation of ethane and ethylene by a robust ethane-selective calcium-based metal-organic framework. <i>New Journal of Chemistry</i> , 2020, 44, 11933-11936.	1.4	11
75	Luminescence investigation of lanthanum ions (Eu ³⁺ or Tb ³⁺) doped SrLaGa ₃ O ₇ fluorescent powders. <i>Optical Materials</i> , 2020, 107, 110010.	1.7	34
76	Thermally Activated Adsorption in Metal-Organic Frameworks with a Temperature-Tunable Diffusion Barrier Layer. <i>Angewandte Chemie</i> , 2020, 132, 18626-18630.	1.6	0
77	Adsorption of Fluorocarbons and Chlorocarbons by Highly Porous and Robust Fluorinated Zirconium Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2020, 59, 4167-4171.	1.9	23
78	Splitting Mono- and Dibranching Alkane Isomers by a Robust Aluminum-Based Metal-Organic Framework Material with Optimal Pore Dimensions. <i>Journal of the American Chemical Society</i> , 2020, 142, 6925-6929.	6.6	60
79	Designer Metal-Organic Frameworks for Size-Exclusion-Based Hydrocarbon Separations: Progress and Challenges. <i>Advanced Materials</i> , 2020, 32, e2002603.	11.1	182
80	UV and X-ray dual photochromic properties of three CPs based on a new viologen ligand. <i>Dyes and Pigments</i> , 2020, 177, 108276.	2.0	17
81	Blending Ionic and Coordinate Bonds in Hybrid Semiconductor Materials: A General Approach toward Robust and Solution-Processable Covalent/Coordinate Network Structures. <i>Journal of the American Chemical Society</i> , 2020, 142, 4242-4253.	6.6	72
82	Metal-dependent chromic properties of three isostructural 1D coordination polymers based on 1-(2-carboxyethyl)-4,4'-bipyridinium ligand. <i>Dyes and Pigments</i> , 2020, 177, 108266.	2.0	12
83	Robust fluorescent calcium coordination polymers as Cu ²⁺ sensors with high sensitivity and fast response. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6820-6825.	2.7	30
84	Encapsulation of yellow phosphors into nanocrystalline metal-organic frameworks for blue-excitable white light emission. <i>Chemical Communications</i> , 2019, 55, 10669-10672.	2.2	32
85	Three Models To Encapsulate Multicomponent Dyes into Nanocrystal Pores: A New Strategy for Generating High-Quality White Light. <i>Journal of the American Chemical Society</i> , 2019, 141, 14807-14813.	6.6	116
86	Effect of counter cations on the photochromic behaviors of three Zn-viologen complexes. <i>New Journal of Chemistry</i> , 2019, 43, 12678-12683.	1.4	5
87	High stability of ultra-small and isolated gold nanoparticles in metal-organic framework materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17536-17546.	5.2	41
88	Tuning the Channel Size and Structure Flexibility of Metal-Organic Frameworks for the Selective Adsorption of Noble Gases. <i>Inorganic Chemistry</i> , 2019, 58, 15025-15028.	1.9	22
89	Strongly luminescent inorganic-organic hybrid semiconductors with tunable white light emissions by doping. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1484-1490.	2.7	30
90	Blue-Light-Excitable, Quantum Yield Enhanced, Yellow-Emitting, Zirconium-Based Metal-Organic Framework Phosphors Formed by Immobilizing Organic Chromophores. <i>Crystal Growth and Design</i> , 2019, 19, 6850-6854.	1.4	13

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91	Structure-Driven Photoluminescence Enhancement in a Zn-Based Metal-Organic Framework. <i>Chemistry of Materials</i> , 2019, 31, 7933-7940.	3.2	21
92	Induced-Fit Suction effect: a booster for biofuel storage and separation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22353-22358.	5.2	4
93	A Robust Multifunctional Eu ⁶⁺ -Cluster Based Framework for Gas Separation and Recognition of Small Molecules and Heavy Metal Ions. <i>Crystal Growth and Design</i> , 2019, 19, 6381-6387.	1.4	26
94	Magnesium based coordination polymers: Syntheses, structures, properties and applications. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213025.	9.5	17
95	Photochromism of three supramolecular assemblies derived from benzenecarboxylate donors and viologen acceptors. <i>Polyhedron</i> , 2019, 161, 237-242.	1.0	9
96	Harvesting vapor by hygroscopic acid to create pore: Morphology, crystallinity and performance of poly(ether ether ketone) lithium ion battery separator. <i>Journal of Membrane Science</i> , 2019, 577, 1-11.	4.1	35
97	Quenching of photoluminescence in a Zn-MOF sensor by nitroaromatic molecules. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2625-2632.	2.7	54
98	NanoPOP: Solution-Processable Fluorescent Porous Organic Polymer for Highly Sensitive, Selective, and Fast Naked Eye Detection of Mercury. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27394-27401.	4.0	45
99	Luminescent inorganic-organic hybrid semiconductor materials for energy-saving lighting applications. <i>EnergyChem</i> , 2019, 1, 100008.	10.1	76
100	[Ba ₁₃ Sb ₃₆ Cl ₃₄ O ₅₄] ⁸⁺ : high-nuclearity cluster for the assembly of nanocluster-based compounds. <i>Chemical Communications</i> , 2019, 55, 7442-7445.	2.2	7
101	Photochromism of stable crystalline 3D Cd-viologen coordination polymers. <i>Dyes and Pigments</i> , 2019, 170, 107565.	2.0	12
102	A Robust Squarate-Based Metal-Organic Framework Demonstrates Record-High Affinity and Selectivity for Xenon over Krypton. <i>Journal of the American Chemical Society</i> , 2019, 141, 9358-9364.	6.6	162
103	Photochromism of four 1D coordination polymers based on 1-(2-carboxyethyl)-4,4'-bipyridinium ligand. <i>Dyes and Pigments</i> , 2019, 170, 107552.	2.0	11
104	Highly efficient and very robust blue-excitable yellow phosphors built on multiple-stranded one-dimensional inorganic-organic hybrid chains. <i>Chemical Science</i> , 2019, 10, 5363-5372.	3.7	38
105	Microporous Metal-Organic Frameworks for Adsorptive Separation of C ₅ -C ₆ Alkane Isomers. <i>Accounts of Chemical Research</i> , 2019, 52, 1968-1978.	7.6	160
106	Reactivity of Atomic Layer Deposition Precursors with OH/H ₂ O-Containing Metal Organic Framework Materials. <i>Chemistry of Materials</i> , 2019, 31, 2286-2295.	3.2	16
107	Photochromism of supramolecular assemblies based on benzenecarboxylate donors and viologen acceptors. <i>New Journal of Chemistry</i> , 2019, 43, 6607-6614.	1.4	15
108	Fluorescent In based MOFs showing return on luminescence towards thiols and acting as a ratiometric fluorescence thermometer. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3049-3055.	2.7	39

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109	Luminescent Metal-Organic Framework for Lithium Harvesting Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 6561-6568.	3.2	21
110	Improving LMOF luminescence quantum yield through guest-mediated rigidification. Journal of Materials Chemistry C, 2019, 7, 14739-14744.	2.7	17
111	Mesoporous silica nanobeans dual-functionalized with AlEgens and leaning pillar[6]arene-based supramolecular switches for imaging and stimuli-responsive drug release. Chemical Communications, 2019, 55, 14099-14102.	2.2	36
112	Photochromic properties of three 2D MOFs based on 1-carboxyethyl-4,4'-bipyridinine. RSC Advances, 2019, 9, 33155-33162.	1.7	13
113	Construction of crystal defect sites in N-coordinated UiO-66 via mechanochemical in-situ N-doping strategy for highly selective adsorption of cationic dyes. Chemical Engineering Journal, 2019, 356, 329-340.	6.6	109
114	A new porous Ca(II)-organic framework with acylamide decorated pores for highly efficient CO ₂ capture. Inorganic Chemistry Communication, 2019, 99, 40-43.	1.8	8
115	General strategies for effective capture and separation of noble gases by metal-organic frameworks. Dalton Transactions, 2018, 47, 4027-4031.	1.6	33
116	Climbing the Volcano of Electrocatalytic Activity while Avoiding Catalyst Corrosion: Ni ₃ P, a Hydrogen Evolution Electrocatalyst Stable in Both Acid and Alkali. ACS Catalysis, 2018, 8, 4408-4419.	5.5	178
117	Iron-Based Metal-Organic Framework with Hydrophobic Quadrilateral Channels for Highly Selective Separation of Hexane Isomers. ACS Applied Materials & Interfaces, 2018, 10, 6031-6038.	4.0	43
118	Copper Iodide Based Hybrid Phosphors for Energy-Efficient General Lighting Technologies. Advanced Functional Materials, 2018, 28, 1705593.	7.8	184
119	Role of Hydrogen Bonding on Transport of Coadsorbed Gases in Metal-Organic Frameworks Materials. Journal of the American Chemical Society, 2018, 140, 856-859.	6.6	26
120	Topologically guided tuning of Zr-MOF pore structures for highly selective separation of C ₆ alkane isomers. Nature Communications, 2018, 9, 1745.	5.8	251
121	One-of-a-kind: a microporous metal-organic framework capable of adsorptive separation of linear, mono- and di-branched alkane isomers via temperature- and adsorbate-dependent molecular sieving. Energy and Environmental Science, 2018, 11, 1226-1231.	15.6	103
122	Sensing and capture of toxic and hazardous gases and vapors by metal-organic frameworks. Chemical Society Reviews, 2018, 47, 4729-4756.	18.7	530
123	Luminescent metal-organic frameworks and coordination polymers as alternative phosphors for energy efficient lighting devices. Coordination Chemistry Reviews, 2018, 373, 116-147.	9.5	169
124	A CuI modified Mg-coordination polymer as a ratiometric fluorescent probe for toxic thiol molecules. Journal of Materials Chemistry C, 2018, 6, 13367-13374.	2.7	12
125	Terbium Oxalatophosphonate as Efficient Multiresponsive Luminescent Sensors for Chromate Anions and Tryptophan Molecules. ACS Omega, 2018, 3, 16735-16742.	1.6	15
126	Tailor-Made Microporous Metal-Organic Frameworks for the Full Separation of Propane from Propylene Through Selective Size Exclusion. Advanced Materials, 2018, 30, e1805088.	11.1	241

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127	A robust two-dimensional zirconium-based luminescent coordination polymer built on a V-shaped dicarboxylate ligand for vapor phase sensing of volatile organic compounds. <i>Chemical Communications</i> , 2018, 54, 8088-8091.	2.2	40
128	Highly Luminescent Metal-Organic Frameworks Based on an Aggregation-Induced Emission Ligand as Chemical Sensors for Nitroaromatic Compounds. <i>Crystal Growth and Design</i> , 2018, 18, 5166-5173.	1.4	46
129	Controlling Chemical Reactions in Confined Environments: Water Dissociation in MOF-74. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 270.	1.3	10
130	Layered Inorganic/Organic Hybrid (CdSe) Nanostructures: Monoamine Nanobelts: Controllable Solvothermal Synthesis, Multiple Stage Amine De-Intercalation Transformation, and Two-Dimensional Exciton Quantum Confinement Effect. <i>Inorganic Chemistry</i> , 2018, 57, 10781-10790.	1.9	6
131	A dual linker metal-organic framework demonstrating ligand-based emission for the selective detection of carbon tetrachloride. <i>Inorganica Chimica Acta</i> , 2018, 470, 312-317.	1.2	7
132	Innovative application of metal-organic frameworks for encapsulation and controlled release of allyl isothiocyanate. <i>Food Chemistry</i> , 2017, 221, 926-935.	4.2	64
133	A water-stable La-based coordination polymer for highly fluorescent detection of Fe ³⁺ ion and nitrobenzene vapor. <i>Inorganic Chemistry Communication</i> , 2017, 76, 77-80.	1.8	9
134	Synthesis, Structure, and Selective Gas Adsorption of a Single-Crystalline Zirconium Based Microporous Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2017, 17, 2034-2040.	1.4	24
135	Phthalocyanine supported dinuclear Ln ^{III} complexes: the solvent-induced change of magnetic properties in dysprosium(^{III}) analogues. <i>Dalton Transactions</i> , 2017, 46, 3353-3362.	1.6	28
136	A mechanochemical route toward the rational, systematic, and cost-effective green synthesis of strongly luminescent copper iodide based hybrid phosphors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5962-5969.	2.7	42
137	Interaction of Acid Gases SO ₂ and NO ₂ with Coordinatively Unsaturated Metal Organic Frameworks: M-MOF-74 (M = Zn, Mg, Ni, Co). <i>Chemistry of Materials</i> , 2017, 29, 4227-4235.	3.2	99
138	Metal-organic frameworks: functional luminescent and photonic materials for sensing applications. <i>Chemical Society Reviews</i> , 2017, 46, 3242-3285.	18.7	2,457
139	Solid-state NMR Studies of Host-Guest Interaction between UiO-67 and Light Alkane at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14261-14268.	1.5	25
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