Zhang-Wen Wei

List of Publications by Year
in descending order

89	12,397	57758 44	40979 93
papers	citations	h-index	g-index

98	98	98	11641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High Water Adsorption MOFs with Optimized Poreâ€Nanospaces for Autonomous Indoor Humidity Control and Pollutants Removal. Angewandte Chemie, 2022, 134, .	2.0	5
2	Enhancing Photocatalytic Hydrogen Production via the Construction of Robust Multivariate Tiâ€MOF/COF Composites. Angewandte Chemie, 2022, 134, .	2.0	15
3	Enhancing Photocatalytic Hydrogen Production via the Construction of Robust Multivariate Tiâ€MOF/COF Composites. Angewandte Chemie - International Edition, 2022, 61, .	13.8	67
4	High Water Adsorption MOFs with Optimized Poreâ€Nanospaces for Autonomous Indoor Humidity Control and Pollutants Removal. Angewandte Chemie - International Edition, 2022, 61, .	13.8	42
5	A Rare Flexible Metalâ€“Organic Framework Based on a Tailorable Mn₈â€Cluster Showing Smart Responsiveness to Aromatic Guests and Capacity for Gas Separation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	20
6	A Rare Flexible Metalâ€“Organic Framework Based on a Tailorable Mn₈â€Cluster Showing Smart Responsiveness to Aromatic Guests and Capacity for Gas Separation. Angewandte Chemie, 2022, 134, .	2.0	2
7	InnenrÃ¼cktitelbild: Enhancing Photocatalytic Hydrogen Production via the Construction of Robust Multivariate Tiâ€MOF/COF Composites (Angew. Chem. 3/2022). Angewandte Chemie, 2022, 134, .	2.0	0
8	Pore-Nanospace Engineering of Mixed-Ligand Metalâ€“Organic Frameworks for High Adsorption of Hydrofluorocarbons and Hydrochlorofluorocarbons. Chemistry of Materials, 2022, 34, 5116-5124.	6.7	11
9	Nitro-Decorated Microporous Covalent Organic Framework (TpPa-NO₂) for Selective Separation of C₂H₄ from a C₂H₂/C₂H₄/CO₂ Mixture and CO₂ Capture. ACS Applied Materials & Interfaces, 2022, 14, 32105-32111.	8.0	22
10	Lanthanide Supermolecular Transformers Induced by K⁺ and CO₂. Inorganic Chemistry, 2021, 60, 2764-2770.	4.0	7
11	Nanospace Engineering of Metalâ€“Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. Angewandte Chemie, 2021, 133, 9766-9771.	2.0	9
12	Nanospace Engineering of Metalâ€“Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. Angewandte Chemie - International Edition, 2021, 60, 9680-9685.	13.8	89
13	Flexible Microporous Copper(II) Metalâ€“Organic Framework toward the Storage and Separation of C1â€“C3 Hydrocarbons in Natural Gas. Inorganic Chemistry, 2021, 60, 8456-8460.	4.0	21
14	A Series of Functionalized Zirconium Metalâ€“Organic Cages for Efficient CO₂/N₂ Separation. Inorganic Chemistry, 2021, 60, 17440-17444.	4.0	15
15	A novel Co-O cluster based coordination polymer for efficient hydrogen production photocatalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 387, 112137.	3.9	8
16	Breathing-Ignited Long Persistent Luminescence in a Resilient Metalâ€“Organic Framework. Chemistry of Materials, 2020, 32, 841-848.	6.7	87
17	A Flexibleâ€“Robust Copper(II) Metalâ€“Organic Framework Constructed from a Fluorinated Ligand for CO₂/R22 Capture. Inorganic Chemistry, 2020, 59, 14856-14860.	4.0	14
18	Ultrafine Palladium Nanoparticles Stabilized in the Porous Liquid of Covalent Organic Cages for Photocatalytic Hydrogen Evolution. ACS Applied Energy Materials, 2020, 3, 12108-12114.	5.1	23

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19	Coordinative-to-covalent transformation, isomerization dynamics, and logic gate application of dithienylethene based photochromic cages. Chemical Science, 2020, 11, 8885-8894.	7.4	26
20	Dynamic Coordination Chemistry of Fluorinated Zrâ€MOFs: Synthetic Control and Reassembly/Disassembly Beyond de Novo Synthesis to Tune the Structure and Property. Chemistry - A European Journal, 2020, 26, 8254-8261.	3.3	16
21	A Porous and Stable Porphyrin Metalâ€Organic Framework as an Efficient Catalyst towards Visibleâ€Lightâ€Mediated Aerobic Crossâ€Dehydrogenativeâ€Coupling Reactions. Chemistry - an Asian Journal, 2020, 15, 1118-1124.	3.3	15
22	Ultrathin Graphitic Carbon Nitride Nanosheets for Photocatalytic Hydrogen Evolution. ACS Applied Nano Materials, 2020, 3, 1010-1018.	5.0	82
23	Confinement of a Auâ€“N-heterocyclic carbene in a Pd₆L₁₂ metalâ€“organic cage. RSC Advances, 2020, 10, 39323-39327.	3.6	4
24	All Roads Lead to Rome: Tuning the Luminescence of a Breathing Catenated Zr-MOF by Programmable Multiplexing Pathways. Chemistry of Materials, 2019, 31, 5550-5557.	6.7	30
25	Pressureâ€Induced Multiphoton Excited Fluorochromic Metalâ€“Organic Frameworks for Improving MPEF Properties. Angewandte Chemie, 2019, 131, 14517-14523.	2.0	12
26	Pressureâ€Induced Multiphoton Excited Fluorochromic Metalâ€“Organic Frameworks for Improving MPEF Properties. Angewandte Chemie - International Edition, 2019, 58, 14379-14385.	13.8	53
27	Selfâ€Generation of Surface Roughness by Lowâ€Surfaceâ€Energy Alkyl Chains for Highly Stable Superhydrophobic/Superoleophilic MOFs with Multiple Functionalities. Angewandte Chemie - International Edition, 2019, 58, 17033-17040.	13.8	71
28	Selfâ€Generation of Surface Roughness by Lowâ€Surfaceâ€Energy Alkyl Chains for Highly Stable Superhydrophobic/Superoleophilic MOFs with Multiple Functionalities. Angewandte Chemie, 2019, 131, 17189-17196.	2.0	21
29	Embedding CoO nanoparticles in a yolkâ€“shell N-doped porous carbon support for ultrahigh and stable lithium storage. Journal of Materials Chemistry A, 2019, 7, 4036-4046.	10.3	46
30	Tuning colorful luminescence of iridium(III) complexes from blue to near infrared. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 379, 99-104.	3.9	13
31	Structural tuning of coordination polymers by 4-connecting metal node and secondary building process. Chinese Chemical Letters, 2019, 30, 1297-1301.	9.0	1
32	Unusual adsorption behaviours and responsive structural dynamics via selective gate effects of an hourglass porous metalâ€“organic framework. RSC Advances, 2019, 9, 37222-37231.	3.6	3
33	A Flexible Cu-MOF as Crystalline Sponge for Guests Determination. Inorganic Chemistry, 2019, 58, 61-64.	4.0	22
34	A Metalâ€“Organic Supramolecular Box as a Universal Reservoir of UV, WL, and NIR Light for Longâ€Persistent Luminescence. Angewandte Chemie - International Edition, 2019, 58, 3481-3485.	13.8	99
35	A Metalâ€“Organic Supramolecular Box as a Universal Reservoir of UV, WL, and NIR Light for Longâ€Persistent Luminescence. Angewandte Chemie, 2019, 131, 3519-3523.	2.0	25
36	Catalysis through Dynamic Spacer Installation of Multivariate Functionalities in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 2589-2593.	13.7	98

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37	Metal Effects on the Framework Stability and Adsorption Property of a Series of Isoreticular Metalâ€“Organic Frameworks Based on an in-Situ Generated T-Shaped Ligand. Crystal Growth and Design, 2019, 19, 300-304.	3.0	8
38	Framework disorder and its effect on selective hysteretic sorption of a T-shaped azole-based metalâ€“organic framework. IUCrJ, 2019, 6, 85-95.	2.2	10
39	A porous rhodium(III)-porphyrin metal-organic framework as an efficient and selective photocatalyst for CO2 reduction. Applied Catalysis B: Environmental, 2018, 231, 173-181.	20.2	126
40	Elucidating Anionâ€Dependent Formation and Conversion of Pd₂L₄ and Pd₃L₆ Metalâ€“Organic Cages by Complementary Techniques. European Journal of Inorganic Chemistry, 2018, 2018, 80-85.	2.0	20
41	Tunability of fluorescent metalâ€“organic frameworks through dynamic spacer installation with multivariate fluorophores. Chemical Communications, 2018, 54, 13666-13669.	4.1	22
42	Design and Enantioresolution of Homochiral Fe(II)â€“Pd(II) Coordination Cages from Stereolabile Metalloligands: Stereochemical Stability and Enantioselective Separation. Journal of the American Chemical Society, 2018, 140, 18183-18191.	13.7	102
43	Visualization of Anisotropic and Stepwise Piezofluorochromism in an MOF Single Crystal. CheM, 2018, 4, 2658-2669.	11.7	65
44	Modulating Electronic Structure of Metalâ€Organic Framework for Efficient Electrocatalytic Oxygen Evolution. Advanced Energy Materials, 2018, 8, 1801564.	19.5	240
45	Hierarchically Porous Single Nanocrystals of Bimetallic Metalâ€“Organic Framework for Nanoreactors with Enhanced Conversion. Chemistry of Materials, 2018, 30, 6458-6468.	6.7	24
46	Solventâ€Induced and Temperatureâ€Promoted Aggregation of Bipyridine Platinum(II) Triangular Metallacycles and Their Nearâ€Infrared Emissive Behaviors. Chemistry - A European Journal, 2018, 24, 11611-11618.	3.3	20
47	A stable metal cluster-metalloporphyrin MOF with high capacity for cationic dye removal. Journal of Materials Chemistry A, 2018, 6, 17698-17705.	10.3	102
48	Nanosized NIRâ€Luminescent Ln Metalâ€“Organic Cage for Picric Acid Sensing. European Journal of Inorganic Chemistry, 2017, 2017, 646-650.	2.0	32
49	A Robust Metalâ€“Organic Framework Combining Open Metal Sites and Polar Groups for Methane Purification and CO₂/Fluorocarbon Capture. Chemistry - A European Journal, 2017, 23, 4060-4064.	3.3	62
50	Dynamic Spacer Installation for Multirole Metalâ€“Organic Frameworks: A New Direction toward Multifunctional MOFs Achieving Ultrahigh Methane Storage Working Capacity. Journal of the American Chemical Society, 2017, 139, 6034-6037.	13.7	168
51	Diverse binding of important anions in 1-D tricopper anion coordination polymer (ACP) architectures. CrystEngComm, 2017, 19, 2349-2358.	2.6	3
52	A Porous Zn(II)-Metalâ€“Organic Framework Constructed from Fluorinated Ligands for Gas Adsorption. Crystal Growth and Design, 2017, 17, 1476-1479.	3.0	25
53	Stepwise engineering of pore environments and enhancement of CO₂/R22 adsorption capacity through dynamic spacer installation and functionality modification. Chemical Communications, 2017, 53, 11403-11406.	4.1	22
54	A zirconium metalâ€“organic framework with an exceptionally high volumetric surface area. Dalton Transactions, 2017, 46, 14270-14276.	3.3	19

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55	Cage-opening supramolecular isomerism in Cu(II) complexes. Inorganic Chemistry Communication, 2017, 86, 223-226.	3.9	4
56	Ultrafast water sensing and thermal imaging by a metal-organic framework with switchable luminescence. Nature Communications, 2017, 8, 15985.	12.8	373
57	Engineering catalytic coordination space in a chemically stable Ir-porphyrin MOF with a confinement effect inverting conventional Siâ€“H insertion chemoselectivity. Chemical Science, 2017, 8, 775-780.	7.4	82
58	An Efficient Visible and Nearâ€Infrared (NIR) Emitting Sm^{III} Metalâ€“Organic Framework (Smâ€MOF) Sensitized by Excitedâ€State Intramolecular Proton Transfer (ESIPT) Ligand. Chemistry - an Asian Journal, 2016, 11, 1765-1769.	3.3	60
59	Highly Efficient Visibleâ€toâ€NIR Luminescence of Lanthanide(III) Complexes with Zwitterionic Ligands Bearing Chargeâ€Transfer Character: Beyond Triplet Sensitization. Chemistry - A European Journal, 2016, 22, 2440-2451.	3.3	109
60	Ligand and Metal Effects on the Stability and Adsorption Properties of an Isoreticular Series of MOFs Based on Tâ€Shaped Ligands and Paddleâ€Wheel Secondary Building Units. Chemistry - A European Journal, 2016, 22, 16147-16156.	3.3	43
61	Rigidifying Effect of Metalâ€“Organic Frameworks: Protect the Conformation, Packing Mode, and Blue Fluorescence of a Soft Piezofluorochromic Compound under Pressures up to 8 MPa. Inorganic Chemistry, 2016, 55, 7311-7313.	4.0	37
62	Precise Modulation of the Breathing Behavior and Pore Surface in Zrâ€MOFs by Reversible Postâ€Synthetic Variableâ€Spacer Installation to Fineâ€Tune the Expansion Magnitude and Sorption Properties. Angewandte Chemie, 2016, 128, 10086-10090.	2.0	30
63	Precise Modulation of the Breathing Behavior and Pore Surface in Zrâ€MOFs by Reversible Postâ€Synthetic Variableâ€Spacer Installation to Fineâ€Tune the Expansion Magnitude and Sorption Properties. Angewandte Chemie - International Edition, 2016, 55, 9932-9936.	13.8	125
64	Solvent- and anion-induced interconversions of metalâ€“organic cages. Chemical Communications, 2016, 52, 8745-8748.	4.1	31
65	Topology-guided design of an anionic bor-network for photocatalytic [Ru(bpy)3]2+ encapsulation. Chemical Communications, 2016, 52, 1926-1929.	4.1	62
66	A new TPE-based tetrapodal ligand and its Ln(<scp>iii</scp>) complexes: multi-stimuli responsive AIE (aggregation-induced emission)/ILCT(intraligand charge transfer)-bifunctional photoluminescence and NIR emission sensitization. Dalton Transactions, 2016, 45, 943-950.	3.3	67
67	Biological study of metalâ€“organic frameworks towards human ovarian cancer cell lines. Canadian Journal of Chemistry, 2016, 94, 380-385.	1.1	2
68	Stable metal-organic frameworks containing single-molecule traps for enzyme encapsulation. Nature Communications, 2015, 6, 5979.	12.8	540
69	Piezofluorochromic Metalâ€“Organic Framework: A Microscissor Lift. Journal of the American Chemical Society, 2015, 137, 10064-10067.	13.7	218
70	Topology-Guided Design and Syntheses of Highly Stable Mesoporous Porphyrinic Zirconium Metalâ€“Organic Frameworks with High Surface Area. Journal of the American Chemical Society, 2015, 137, 413-419.	13.7	352
71	A Highly Stable Zeotype Mesoporous Zirconium Metalâ€“Organic Framework with Ultralarge Pores. Angewandte Chemie - International Edition, 2015, 54, 149-154.	13.8	258
72	Kinetically tuned dimensional augmentation as a versatile synthetic route towards robust metalâ€“organic frameworks. Nature Communications, 2014, 5, 5723.	12.8	332

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73	A Highly Stable Porphyrinic Zirconium Metalâ€“Organic Framework with shp-a Topology. Journal of the American Chemical Society, 2014, 136, 17714-17717.	13.7	356
74	Rigidifying Fluorescent Linkers by Metalâ€“Organic Framework Formation for Fluorescence Blue Shift and Quantum Yield Enhancement. Journal of the American Chemical Society, 2014, 136, 8269-8276.	13.7	531
75	Metalâ€“Organic Frameworks as Biomimetic Catalysts. ChemCatChem, 2014, 6, 67-75.	3.7	259
76	Synthesis, Structure, and Fungicidal Activity of Organotin Dithiocarbamates Derived from Pyridinamines and Aryl Diamines. Heteroatom Chemistry, 2014, 25, 274-281.	0.7	10
77	Rational Design and Synthesis of Porous Polymer Networks: Toward High Surface Area. Chemistry of Materials, 2014, 26, 4589-4597.	6.7	66
78	Study of Guest Molecules in Metalâ€“Organic Frameworks by Powder X-ray Diffraction: Analysis of Difference Envelope Density. Crystal Growth and Design, 2014, 14, 5397-5407.	3.0	94
79	Tuning the structure and function of metalâ€“organic frameworks via linker design. Chemical Society Reviews, 2014, 43, 5561-5593.	38.1	1,792
80	Linker extension through hard-soft selective metal coordination for the construction of a non-rigid metal-organic framework. Science China Chemistry, 2013, 56, 418-422.	8.2	20
81	An Exceptionally Stable, Porphyrinic Zr Metalâ€“Organic Framework Exhibiting pH-Dependent Fluorescence. Journal of the American Chemical Society, 2013, 135, 13934-13938.	13.7	646
82	Metalâ€“Organic Frameworks Based on Previously Unknown Zr₈/Hf₈ Cubic Clusters. Inorganic Chemistry, 2013, 52, 12661-12667.	4.0	197
83	Construction of Ultrastable Porphyrin Zr Metalâ€“Organic Frameworks through Linker Elimination. Journal of the American Chemical Society, 2013, 135, 17105-17110.	13.7	880
84	A Route to Metalâ€“Organic Frameworks through Framework Templating. Inorganic Chemistry, 2013, 52, 1164-1166.	4.0	83
85	Highly porous metalâ€“organic framework sustained with 12-connected nanoscopic octahedra. Dalton Transactions, 2013, 42, 1708-1714.	3.3	61
86	Titelbild: Zirconium-Metalloporphyrin PCN-222: Mesoporous Metal-Organic Frameworks with Ultrahigh Stability as Biomimetic Catalysts (Angew. Chem. 41/2012). Angewandte Chemie, 2012, 124, 10343-10343.	2.0	3
87	Zirconiumâ€Metalloporphyrin PCNâ€222: Mesoporous Metalâ€“Organic Frameworks with Ultrahigh Stability as Biomimetic Catalysts. Angewandte Chemie - International Edition, 2012, 51, 10307-10310.	13.8	1,555
88	Stepwise adsorption in a mesoporous metalâ€“organic framework: experimental and computational analysis. Chemical Communications, 2012, 48, 3297.	4.1	60
89	Polyamineâ€Tethered Porous Polymer Networks for Carbon Dioxide Capture from Flue Gas. Angewandte Chemie - International Edition, 2012, 51, 7480-7484.	13.8	518