Xing Meng

List of Publications by Year
in descending order

36 papers	3,033 citations	304368 22 h-index	360668 35 g-index
37 all docs	37 docs citations	37 times ranked	3244 citing authors

#	Article	IF	Citations
1	Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformation of a Europium(III) Metalâ€“Organic Framework Producing a Multiâ€responsive Luminescent Sensor. Advanced Functional Materials, 2014, 24, 4034-4041.	7.8	542
2	Proton-conducting crystalline porous materials. Chemical Society Reviews, 2017, 46, 464-480.	18.7	530
3	One-dimensional channel-structured Eu-MOF for sensing small organic molecules and Cu2+ ion. Journal of Materials Chemistry A, 2013, 1, 11043.	5.2	341
4	Lanthanide Ion Codoped Emitters for Tailoring Emission Trajectory and Temperature Sensing. Advanced Functional Materials, 2015, 25, 1463-1469.	7.8	263
5	A Metalâ€“Organic Framework/DNA Hybrid System as a Novel Fluorescent Biosensor for Mercury(II) Ion Detection. Chemistry - A European Journal, 2016, 22, 477-480.	1.7	155
6	A europium(<scp>iii</scp>) based metalâ€“organic framework: bifunctional properties related to sensing and electronic conductivity. Journal of Materials Chemistry A, 2014, 2, 237-244.	5.2	149
7	Encapsulation of Ln^{III} Ions/Dyes within a Microporous Anionic MOF by Postâ€synthetic Ionic Exchange Serving as a Ln^{III} Ion Probe and Twoâ€Color Luminescent Sensors. Chemistry - A European Journal, 2015, 21, 9748-9752.	1.7	123
8	A tetranuclear copper cluster-based MOF with sulfonateâ€“carboxylate ligands exhibiting high proton conduction properties. Chemical Communications, 2015, 51, 8150-8152.	2.2	96
9	Coordination polymer-based conductive materials: ionic conductivity <i>vs.</i> electronic conductivity. Journal of Materials Chemistry A, 2019, 7, 24059-24091.	5.2	90
10	A stable, pillar-layer metalâ€“organic framework containing uncoordinated carboxyl groups for separation of transition metal ions. Chemical Communications, 2014, 50, 6406-6408.	2.2	76
11	A multifunctional proton-conducting and sensing pillar-layer framework based on [24-MC-6] heterometallic crown clusters. Chemical Communications, 2013, 49, 8483.	2.2	67
12	A Eu/Tb-codoped coordination polymer luminescent thermometer. Inorganic Chemistry Frontiers, 2014, 1, 757-760.	3.0	63
13	Multifunctional luminescent Zn(<scp>ii</scp>)-based metalâ€“organic framework for high proton-conductivity and detection of Cr³⁺ ions in the presence of mixed metal ions. Dalton Transactions, 2018, 47, 1383-1387.	1.6	58
14	A new triazine-based covalent organic polymer for efficient photodegradation of both acidic and basic dyes under visible light. Dalton Transactions, 2018, 47, 4191-4197.	1.6	57
15	A Series of Metalâ€“Organic Frameworks Constructed From a V-shaped Tripodal Carboxylate Ligand: Syntheses, Structures, Photoluminescent, and Magnetic Properties. Crystal Growth and Design, 2013, 13, 2756-2765.	1.4	52
16	Enhanced proton conductivity of a MOF-808 framework through anchoring organic acids to the zirconium clusters by post-synthetic modification. CrystEngComm, 2019, 21, 3146-3150.	1.3	51
17	Highly thermostable lanthanide metalâ€“organic frameworks exhibiting unique selectivity for nitro explosives. RSC Advances, 2015, 5, 93-98.	1.7	46
18	ZIF-8/covalent organic framework for enhanced CO2 photocatalytic reduction in gas-solid system. Chemical Engineering Journal, 2022, 450, 138040.	6.6	37

#	Article	IF	Citations
19	A visible light-driven photocatalyst of a stable metalâ€“organic framework based on Cu₄Cl clusters and TIPE spacers. Dalton Transactions, 2016, 45, 13477-13482.	1.6	28
20	Polyoxometalate-based metallogels as anode materials for lithium ion batteries. Dalton Transactions, 2019, 48, 10422-10426.	1.6	27
21	Metalâ€“organic framework (MOF) composite materials for photocatalytic CO₂ reduction under visible light. Dalton Transactions, 2021, 50, 3186-3192.	1.6	26
22	Degradation of azo dyes under visible light with stable MOF based on tetrastyrene imidazole ligand. Dalton Transactions, 2020, 49, 4352-4357.	1.6	24
23	Integration of zirconium-based metalâ€“organic framework with CdS for enhanced photocatalytic conversion of CO₂ to CO. Nanoscale, 2021, 13, 16977-16985.	2.8	21
24	Cations mediating proton conductivity in an oxalate based microporous coordination polymer. New Journal of Chemistry, 2019, 43, 24-27.	1.4	20
25	Varied proton conductivity and photoreduction CO₂ performance of isostructural heterometallic cluster based metalâ€“organic frameworks. Inorganic Chemistry Frontiers, 2021, 8, 4062-4071.	3.0	17
26	Construction of polypyrrole nanotubes interconnected ZIFs-templated nickel-cobalt layered double hydroxide via varying the mass of ZIF-67 for supercapacitors with tunable performance. Materials Chemistry and Physics, 2020, 255, 123497.	2.0	16
27	Ag Nanoparticle-Modified Polyoxometalate-Based Metalâ€“Organic Framework for Enhanced CO₂ Photoreduction. Inorganic Chemistry, 2022, 61, 11359-11365.	1.9	11
28	A reasonable design of polypyrrole nanotubes interconnected Niâ€“Co layered double hydroxide-based composites <i>via</i> ZIF templates for high performance supercapacitors. New Journal of Chemistry, 2020, 44, 10776-10780.	1.4	9
29	Supramolecular isomerism, single-crystal to single-crystal transformation induced by release of in situ generated I2 between two supramolecular frameworks. Dalton Transactions, 2013, 42, 5619.	1.6	8
30	Self-assembly of TiO₂/ZIF-8 nanocomposites for varied photocatalytic CO₂ reduction with H₂O vapor induced by different synthetic methods. Nanoscale Advances, 2021, 3, 1455-1463.	2.2	8
31	A multifunctional anionic metalâ€“organic framework for high proton conductivity and photoreduction of CO₂ induced by cation exchange. Dalton Transactions, 2022, 51, 4798-4805.	1.6	7
32	Tuning proton conduction by different particle sizes in open-framework metal phosphates. Inorganic Chemistry Communication, 2021, 124, 108322.	1.8	4
33	A stable visible light-driven metallogel-based photocatalyst for dye removal. Research on Chemical Intermediates, 2018, 44, 1261-1274.	1.3	3
34	Synthesis, structure and sensing behavior of a Cd-coordination polymer based on 1,10-phenanthroline and 2-aminoterephthalic acid. Functional Materials Letters, 2018, 11, 1850027.	0.7	3
35	Enhanced proton conductivity assisted by sodium ions in the proton conductive hybrid membranes. Materials Chemistry and Physics, 2022, 280, 125845.	2.0	2
36	In-situ pyrolysis of MnO2/PVDF composites on carbon cloths and their enhanced electrochemical performances. Solid State Sciences, 2020, 109, 106403.	1.5	0