Hang Xu

List of Publications by Year
in descending order

44 papers	2,866 citations	257357 24 h-index	254106 43 g-index
44 all docs	44 docs citations	44 times ranked	2839 citing authors

#	ARTICLE	IF	CITATIONS
1	Lanthanide Organic Framework as a Regenerable Luminescent Probe for Fe³⁺. Inorganic Chemistry, 2015, 54, 4585-4587.	1.9	306
2	A water-stable lanthanide-organic framework as a recyclable luminescent probe for detecting pollutant phosphorus anions. Chemical Communications, 2015, 51, 10280-10283.	2.2	244
3	Lanthanide-based metalâ€“organic frameworks as luminescent probes. Dalton Transactions, 2016, 45, 18003-18017.	1.6	233
4	Applications of MOFs as Luminescent Sensors for Environmental Pollutants. Small, 2021, 17, e2005327.	5.2	177
5	Unique (3,4,10)-Connected Lanthanideâ€“Organic Framework as a Recyclable Chemical Sensor for Detecting Al³⁺. Inorganic Chemistry, 2016, 55, 4790-4794.	1.9	158
6	A Bifunctional Europiumâ€“Organic Framework with Chemical Fixation of CO₂ and Luminescent Detection of Al³⁺. Inorganic Chemistry, 2016, 55, 9671-9676.	1.9	142
7	Two solvent-stable MOFs as a recyclable luminescent probe for detecting dichromate or chromate anions. CrystEngComm, 2016, 18, 4445-4451.	1.3	130
8	Metalâ€“Organic Frameworks with Tb₄ Clusters as Nodes: Luminescent Detection of Chromium(VI) and Chemical Fixation of CO₂. Inorganic Chemistry, 2017, 56, 6244-6250.	1.9	109
9	High Uptake of ReO₄^{âˆ’} and CO₂ Conversion by a Radiationâ€Resistant Thoriumâ€“Nickle [Th₄₈Ni₆] Nanocageâ€Based Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2019, 58, 6022-6027.	7.2	109
10	Controlled lanthanideâ€“organic framework nanospheres as reversible and sensitive luminescent sensors for practical applications. Chemical Communications, 2015, 51, 6769-6772.	2.2	97
11	A Porous Metalâ€“Organic Framework Assembled by [Cu₃₀] Nanocages: Serving as Recyclable Catalysts for CO₂ Fixation with Aziridines. Advanced Science, 2016, 3, 1600048.	5.6	96
12	A Sensitive Luminescent Acetylacetone Probe Based on Znâ€MOF with Sixâ€Fold Interpenetration. Chemistry - A European Journal, 2017, 23, 13289-13293.	1.7	92
13	Reconstruction of Miniâ€Hollow Polyhedron Mn₂O₃ Derived from MOFs as a Highâ€Performance Lithium Anode Material. Advanced Science, 2016, 3, 1500185.	5.6	83
14	Materials and Techniques for Implantable Nutrient Sensing Using Flexible Sensors Integrated with Metalâ€“Organic Frameworks. Advanced Materials, 2018, 30, e1800917.	11.1	80
15	A multifunctional MOF as a recyclable catalyst for the fixation of CO₂ with aziridines or epoxides and as a luminescent probe of Cr(<scp>vi</scp>). Dalton Transactions, 2018, 47, 4545-4553.	1.6	77
16	Multifunctional Stretchable Sensors for Continuous Monitoring of Long-Term Leaf Physiology and Microclimate. ACS Omega, 2019, 4, 9522-9530.	1.6	76
17	Highly Efficient Conversion of Propargylic Amines and CO₂ Catalyzed by Nobleâ€Metalâ€Free [Zn₁₁₆] Nanocages. Angewandte Chemie - International Edition, 2020, 59, 8586-8593.	7.2	74
18	Origami NdFeB Flexible Magnetic Membranes with Enhanced Magnetism and Programmable Sequences of Polarities. Advanced Functional Materials, 2019, 29, 1904977.	7.8	55

#	Article	IF	Citations
19	Fully Flexible Electromagnetic Vibration Sensors with Annular Field Confinement Origami Magnetic Membranes. Advanced Functional Materials, 2020, 30, 2001553.	7.8	49
20	The multiple coreâ€“shell structure in Cu24Ln6 cluster with magnetocaloric effect and slow magnetization relaxation. Dalton Transactions, 2014, 43, 5639.	1.6	45
21	3d-4f Heterometalâ€“Organic Frameworks for Efficient Capture and Conversion of CO₂. Crystal Growth and Design, 2017, 17, 3128-3133.	1.4	43
22	Metalâ€“metal bonded compounds with uncommon low oxidation state. Coordination Chemistry Reviews, 2018, 365, 122-144.	9.5	42
23	A Cuprous/Lanthanideâ€Organic Framework as the Luminescent Sensor of Hypochlorite. Chemistry - A European Journal, 2018, 24, 10296-10299.	1.7	36
24	A novel Cu-metal-organic framework with two-dimensional layered topology for electrochemical detection using flexible sensors. Nanotechnology, 2019, 30, 424002.	1.3	31
25	Metal-organic frameworks as functional materials for implantable flexible biochemical sensors. Nano Research, 2021, 14, 2981-3009.	5.8	26
26	Aerosol printing and photonic sintering of bioresorbable zinc nanoparticle ink for transient electronics manufacturing. Science China Information Sciences, 2018, 61, 1.	2.7	25
27	A high sensitivity luminescent sensor for the stress biomarker cortisol using four-fold interpenetrated europiumâ€“organic frameworks integrated with logic gates. Journal of Materials Chemistry C, 2021, 9, 9643-9649.	2.7	25
28	Droplets as Carriers for Flexible Electronic Devices. Advanced Science, 2019, 6, 1901862.	5.6	23
29	Eco-friendly co-catalyst-free cycloaddition of CO2 and aziridines activated by a porous MOF catalyst. Science China Chemistry, 2021, 64, 1316-1322.	4.2	23
30	A water-stable metal-organic framework: serving as a chemical sensor of PO43â€“ and a catalyst for CO2 conversion. Science China Chemistry, 2017, 60, 1328-1333.	4.2	21
31	An uncommon multicentered ZnIâ€“ZnI bond-based MOF for CO2 fixation with aziridines/epoxides. Chemical Communications, 2021, 57, 7537-7540.	2.2	21
32	Structural diversity of luminescent lanthanide metalâ€“organic frameworks based on a V-shaped ligand. CrystEngComm, 2015, 17, 2471-2478.	1.3	19
33	Processing Techniques for Bioresorbable Nanoparticles in Fabricating Flexible Conductive Interconnects. Materials, 2018, 11, 1102.	1.3	16
34	High Uptake of ReO₄^{âˆ’} and CO₂ Conversion by a Radiationâ€Resistant Thoriumâ€“Nickle [Th₄₈Ni₆] Nanocageâ€Based Metalâ€“Organic Framework. Angewandte Chemie, 2019, 131, 6083-6088.	1.6	15
35	Anhydrideâ€Assisted Spontaneous Room Temperature Sintering of Printed Bioresorbable Electronics. Advanced Functional Materials, 2020, 30, 1905024.	7.8	14
36	Flexible Magnetoelectrical Devices with Intrinsic Magnetism and Electrical Conductivity. Advanced Electronic Materials, 2019, 5, 1900111.	2.6	13

#	Article	IF	Citations
37	Highly effective CS₂ conversion with aziridines catalyzed by novel [Dy₂₄] nano-cages in MOFs under mild conditions. Journal of Materials Chemistry A, 2022, 10, 4889-4894.	5.2	13
38	Highly Efficient Conversion of Propargylic Amines and CO₂ Catalyzed by Nobleâ€Metalâ€Free [Zn₁₁₆] Nanocages. Angewandte Chemie, 2020, 132, 8664-8671.	1.6	10
39	Novel lanthanide coordination polymers with Eu-compound exhibits warm white light emission: Synthesis, structure, and magnetic properties. Inorganic Chemistry Communication, 2016, 70, 51-55.	1.8	8
40	Recent development of bioresorbable electronics using additive manufacturing. Current Opinion in Chemical Engineering, 2020, 28, 118-126.	3.8	6
41	Implantable Flexible Electronics: Materials and Techniques for Implantable Nutrient Sensing Using Flexible Sensors Integrated with Metal-Organic Frameworks (Adv. Mater. 23/2018). Advanced Materials, 2018, 30, 1870166.	11.1	2
42	Electrodes: Reconstruction of Miniâ€Hollow Polyhedron Mn₂O₃ Derived from MOFs as a Highâ€Performance Lithium Anode Material (Adv. Sci. 3/2016). Advanced Science, 2016, 3, .	5.6	1
43	Bioresorbable Electronics: Anhydrideâ€Assisted Spontaneous Room Temperature Sintering of Printed Bioresorbable Electronics (Adv. Funct. Mater. 29/2020). Advanced Functional Materials, 2020, 30, 2070194.	7.8	1
44	Cooperation between microporous frameworks and micron-sized channel in crystals for excellent chromate removal. Chemical Engineering Journal, 2021, , 132655.	6.6	0