Han Wang

List of Publications by Year
in descending order

36 papers	5,175 citations	201674 27 h-index	345221 36 g-index
36 all docs	36 docs citations	36 times ranked	5600 citing authors

#	Article	IF	Citations
1	Covalent organic framework photocatalysts: structures and applications. Chemical Society Reviews, 2020, 49, 4135-4165.	38.1	649
2	Recent advances in covalent organic frameworks (COFs) as a smart sensing material. Chemical Society Reviews, 2019, 48, 5266-5302.	38.1	630
3	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. Chemical Society Reviews, 2019, 48, 488-516.	38.1	564
4	Synergistic effect of artificial enzyme and 2D nano-structured Bi2WO6 for eco-friendly and efficient biomimetic photocatalysis. Applied Catalysis B: Environmental, 2019, 250, 52-62.	20.2	340
5	The application of different typological and structural MOFs-based materials for the dyes adsorption. Coordination Chemistry Reviews, 2019, 380, 471-483.	18.8	302
6	Metal or metal-containing nanoparticle@MOF nanocomposites as a promising type of photocatalyst. Coordination Chemistry Reviews, 2019, 388, 63-78.	18.8	235
7	Amidoxime-based materials for uranium recovery and removal. Journal of Materials Chemistry A, 2020, 8, 7588-7625.	10.3	234
8	Efficient Polysulfide Chemisorption in Covalent Organic Frameworks for Highâ€Performance Lithiumâ€Sulfur Batteries. Advanced Energy Materials, 2016, 6, 1601250.	19.5	231
9	Two-dimensional transition metal carbide and nitride (MXene) derived quantum dots (QDs): synthesis, properties, applications and prospects. Journal of Materials Chemistry A, 2020, 8, 7508-7535.	10.3	201
10	Recent progress on metal-organic frameworks based- and derived-photocatalysts for water splitting. Chemical Engineering Journal, 2020, 383, 123196.	12.7	148
11	Recent advances in conjugated microporous polymers for photocatalysis: designs, applications, and prospects. Journal of Materials Chemistry A, 2020, 8, 6434-6470.	10.3	140
12	Strategies to improve metal organic frameworks photocatalystâ€™s performance for degradation of organic pollutants. Coordination Chemistry Reviews, 2018, 376, 449-466.	18.8	139
13	Metal-organic frameworks derived Bi2O2CO3/porous carbon nitride: A nanosized Z-scheme systems with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2020, 267, 118700.	20.2	131
14	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. ACS Applied Materials & Interfaces, 2019, 11, 32579-32598.	8.0	120
15	Recent progress in conjugated microporous polymers for clean energy: Synthesis, modification, computer simulations, and applications. Progress in Polymer Science, 2021, 115, 101374.	24.7	117
16	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. Journal of Hazardous Materials, 2019, 380, 120864.	12.4	110
17	Covalent triazine frameworks for carbon dioxide capture. Journal of Materials Chemistry A, 2019, 7, 22848-22870.	10.3	106
18	Carbon nitride based photocatalysts for solar photocatalytic disinfection, can we go further?. Chemical Engineering Journal, 2021, 404, 126540.	12.7	105

#	Article	IF	Citations
19	Recent advances in two-dimensional nanomaterials for photocatalytic reduction of CO₂: insights into performance, theories and perspective. Journal of Materials Chemistry A, 2020, 8, 19156-19195.	10.3	101
20	Cobalt Single Atoms Anchored on Oxygenâ€Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	97
21	Metal-organic framework-derived nanomaterials in environment related fields: Fundamentals, properties and applications. Coordination Chemistry Reviews, 2021, 429, 213618.	18.8	94
22	Bismuth-based metalâ€"organic frameworks and their derivatives: Opportunities and challenges. Coordination Chemistry Reviews, 2021, 439, 213902.	18.8	62
23	Recent advance of graphene/semiconductor composite nanocatalysts: Synthesis, mechanism, applications and perspectives. Chemical Engineering Journal, 2021, 414, 128795.	12.7	42
24	Cobalt Coordinated Cyano Covalent-Organic Framework for High-Performance Potassium-Organic Batteries. ACS Applied Materials & Interfaces, 2021, 13, 48913-48922.	8.0	36
25	An investigation into the effects of silver nanoparticles on natural microbial communities in two freshwater sediments. Environmental Pollution, 2016, 219, 696-704.	7.5	32
26	Ferrocene modified g-C3N4 as a heterogeneous catalyst for photo-assisted activation of persulfate for the degradation of tetracycline. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127024.	4.7	32
27	Self-assembly hybridization of COFs and g-C3N4: Decipher the charge transfer channel for enhanced photocatalytic activity. Journal of Colloid and Interface Science, 2022, 608, 1051-1063.	9.4	32
28	Recent progress on mixed transition metal nanomaterials based on metalâ€"organic frameworks for energy-related applications. Journal of Materials Chemistry A, 2022, 10, 9788-9820.	10.3	28
29	Cobalt Single Atoms Anchored on Oxygenâ€Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. Angewandte Chemie, 2022, 134, .	2.0	25
30	Development of a conjugated polymer-based fluorescent probe for selective detection of HOCl. Journal of Materials Chemistry C, 2015, 3, 5136-5140.	5.5	23
31	Environmentally persistent free radicals in bismuth-based metalâ€"organic layers derivatives: Photodegradation of pollutants and mechanism unravelling. Chemical Engineering Journal, 2022, 430, 133026.	12.7	23
32	Metal-organic frameworks as a good platform for the fabrication of multi-metal nanomaterials: design strategies, electrocatalytic applications and prospective. Advances in Colloid and Interface Science, 2022, 304, 102668.	14.7	16
33	Effects of typical engineered nanomaterials on 4-nonylphenol degradation in river sediment: based on bacterial community and function analysis. Environmental Science: Nano, 2019, 6, 2171-2184.	4.3	8
34	Vascular plant one-zinc finger 1 (VOZ1) and VOZ2 negatively regulate phytochrome B-mediated seed germination inArabidopsis. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1384-1393.	1.3	8
35	Functionalized Graphene Quantum Dots Modified Dioxinâ€Linked Covalent Organic Frameworks for Superior Lithium Storage. Chemistry - A European Journal, 2022, 28, e202103901.	3.3	8
36	Facile synthesis of cadmium-doped graphite carbon nitride for photocatalytic degradation of tetracycline under visible light irradiation. Environmental Science and Pollution Research, 2022, 29, 74062-74080.	5.3	6