

Han Wang

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

5,175
citations

201385

27
h-index

344852

36
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all docs

36
docs citations

36
times ranked

5600
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent organic framework photocatalysts: structures and applications. <i>Chemical Society Reviews</i> , 2020, 49, 4135-4165.	18.7	649
2	Recent advances in covalent organic frameworks (COFs) as a smart sensing material. <i>Chemical Society Reviews</i> , 2019, 48, 5266-5302.	18.7	630
3	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , 2019, 48, 488-516.	18.7	564
4	Synergistic effect of artificial enzyme and 2D nano-structured Bi ₂ WO ₆ for eco-friendly and efficient biomimetic photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 52-62.	10.8	340
5	The application of different typological and structural MOFs-based materials for the dyes adsorption. <i>Coordination Chemistry Reviews</i> , 2019, 380, 471-483.	9.5	302
6	Metal or metal-containing nanoparticle@MOF nanocomposites as a promising type of photocatalyst. <i>Coordination Chemistry Reviews</i> , 2019, 388, 63-78.	9.5	235
7	Amidoxime-based materials for uranium recovery and removal. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7588-7625.	5.2	234
8	Efficient Polysulfide Chemisorption in Covalent Organic Frameworks for High-Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1601250.	10.2	231
9	Two-dimensional transition metal carbide and nitride (MXene) derived quantum dots (QDs): synthesis, properties, applications and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7508-7535.	5.2	201
10	Recent progress on metal-organic frameworks based- and derived-photocatalysts for water splitting. <i>Chemical Engineering Journal</i> , 2020, 383, 123196.	6.6	148
11	Recent advances in conjugated microporous polymers for photocatalysis: designs, applications, and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6434-6470.	5.2	140
12	Strategies to improve metal organic frameworks photocatalysts' performance for degradation of organic pollutants. <i>Coordination Chemistry Reviews</i> , 2018, 376, 449-466.	9.5	139
13	Metal-organic frameworks derived Bi ₂ O ₂ CO ₃ /porous carbon nitride: A nanosized Z-scheme systems with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118700.	10.8	131
14	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32579-32598.	4.0	120
15	Recent progress in conjugated microporous polymers for clean energy: Synthesis, modification, computer simulations, and applications. <i>Progress in Polymer Science</i> , 2021, 115, 101374.	11.8	117
16	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. <i>Journal of Hazardous Materials</i> , 2019, 380, 120864.	6.5	110
17	Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22848-22870.	5.2	106
18	Carbon nitride based photocatalysts for solar photocatalytic disinfection, can we go further?. <i>Chemical Engineering Journal</i> , 2021, 404, 126540.	6.6	105

#	ARTICLE	IF	CITATIONS
19	Recent advances in two-dimensional nanomaterials for photocatalytic reduction of CO ₂ : insights into performance, theories and perspective. Journal of Materials Chemistry A, 2020, 8, 19156-19195.	5.2	101
20	Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	97
21	Metal-organic framework-derived nanomaterials in environment related fields: Fundamentals, properties and applications. Coordination Chemistry Reviews, 2021, 429, 213618.	9.5	94
22	Bismuth-based metal-organic frameworks and their derivatives: Opportunities and challenges. Coordination Chemistry Reviews, 2021, 439, 213902.	9.5	62
23	Recent advance of graphene/semiconductor composite nanocatalysts: Synthesis, mechanism, applications and perspectives. Chemical Engineering Journal, 2021, 414, 128795.	6.6	42
24	Cobalt Coordinated Cyano Covalent-Organic Framework for High-Performance Potassium-Organic Batteries. ACS Applied Materials & Interfaces, 2021, 13, 48913-48922.	4.0	36
25	An investigation into the effects of silver nanoparticles on natural microbial communities in two freshwater sediments. Environmental Pollution, 2016, 219, 696-704.	3.7	32
26	Ferrocene modified g-C ₃ N ₄ 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.	2.3	32
27	Self-assembly hybridization of COFs and g-C ₃ N ₄ : Decipher the charge transfer channel for enhanced photocatalytic activity. Journal of Colloid and Interface Science, 2022, 608, 1051-1063.	5.0	32
28	Recent progress on mixed transition metal nanomaterials based on metal-organic frameworks for energy-related applications. Journal of Materials Chemistry A, 2022, 10, 9788-9820.	5.2	28
29	Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. Angewandte Chemie, 2022, 134, .	1.6	25
30	Development of a conjugated polymer-based fluorescent probe for selective detection of HOCl. Journal of Materials Chemistry C, 2015, 3, 5136-5140.	2.7	23
31	Environmentally persistent free radicals in bismuth-based metal-organic layers derivatives: Photodegradation of pollutants and mechanism unravelling. Chemical Engineering Journal, 2022, 430, 133026.	6.6	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.	7.0	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.	2.2	8
34	Vascular plant one-zinc finger 1 (VOZ1) and VOZ2 negatively regulate phytochrome B-mediated seed germination in <i>Arabidopsis</i> . Bioscience, Biotechnology and Biochemistry, 2020, 84, 1384-1393.	0.6	8
35	Functionalized Graphene Quantum Dots Modified Dioxin-Linked Covalent Organic Frameworks for Superior Lithium Storage. Chemistry - A European Journal, 2022, 28, e202103901.	1.7	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.	2.7	6