

# Hang Wang

## List of Publications by Year in descending order

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33  
papers

1,555  
citations

516710

16  
h-index

414414

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2321  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks with photocatalytic bactericidal activity for integrated air cleaning. <i>Nature Communications</i> , 2019, 10, 2177.	12.8	476
2	Water Contaminant Elimination Based on Metal-Organic Frameworks and Perspective on Their Industrial Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4548-4563.	6.7	165
3	Membrane adsorbers with ultrahigh metal-organic framework loading for high flux separations. <i>Nature Communications</i> , 2019, 10, 4204.	12.8	157
4	Selective solid-phase extraction of uranium by salicylideneimine-functionalized hydrothermal carbon. <i>Journal of Hazardous Materials</i> , 2012, 229-230, 321-330.	12.4	146
5	An Iron-Containing Metal-Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16416-16420.	13.8	97
6	An Iron-Containing Metal-Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. <i>Angewandte Chemie</i> , 2018, 130, 16654-16658.	2.0	73
7	Polyoxometalate-based Ionic liquid as thermoregulated and environmentally friendly catalyst for starch oxidation. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 161-166.	20.2	61
8	Acid-base bifunctional HPA nanocatalysts promoting heterogeneous transesterification and esterification reactions. <i>Catalysis Science and Technology</i> , 2013, 3, 2204.	4.1	50
9	Free-standing graphene oxide membrane with tunable channels for efficient water pollution control. <i>Journal of Hazardous Materials</i> , 2019, 366, 659-668.	12.4	45
10	Crystalline Anionic Germanate Covalent Organic Framework for High CO <sub>2</sub> Selectivity and Fast Li Ion Conduction. <i>Chemistry - A European Journal</i> , 2019, 25, 13479-13483.	3.3	29
11	Designation of choline functionalized polyoxometalates as highly active catalysts in aerobic desulfurization on a combined oxidation and extraction procedure. <i>Fuel</i> , 2017, 207, 13-21.	6.4	26
12	Disulfides as efficient thiolating reagents enabling selective bis-sulfonylation of aryl dihalides under mild copper-catalyzed conditions. <i>RSC Advances</i> , 2014, 4, 19472-19475.	3.6	24
13	Effects of extreme temperature on respiratory diseases in Lanzhou, a temperate climate city of China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 49278-49288.	5.3	23
14	Respiratory mortality associated with ozone in China: A systematic review and meta-analysis. <i>Environmental Pollution</i> , 2021, 280, 116957.	7.5	21
15	Aerobic oxidation of starch catalyzed by isopolyoxovanadate Na <sub>4</sub> Co(H <sub>2</sub> O) <sub>6</sub> V <sub>10</sub> O <sub>28</sub> . <i>Carbohydrate Polymers</i> , 2015, 117, 673-680.	10.2	20
16	Simple Conversion of Thiols to Disulfides in EtOH under Ambient Aerobic Conditions without using any Catalyst or Additive. <i>Journal of Chemical Research</i> , 2014, 38, 96-97.	1.3	17
17	Effect of Cs content on CsxH5-xPMo10V2O40 properties and oxidative catalytic activity on starch oxidation by H <sub>2</sub> O <sub>2</sub> . <i>RSC Advances</i> , 2014, 4, 11232.	3.6	15
18	Template-directed synthesis of pomegranate-shaped zinc oxide@zeolitic imidazolate framework for visible light photocatalytic degradation of tetracycline. <i>Chemosphere</i> , 2022, 294, 133782.	8.2	15

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19	Mixed salts of silver and ammonium derivatives of molybdovanadophosphoric acid to improve the catalytic performance in the oxidation of starch. <i>Catalysis Today</i> , 2014, 234, 264-270.	4.4	13
20	Numerical study on action of HMF, PMF, DHMF, and DPMF on molten metal during electromagnetic casting. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 201-217.	3.0	13
21	Association between PM10 and specific circulatory system diseases in China. <i>Scientific Reports</i> , 2021, 11, 12129.	3.3	13
22	Association between environmental factors and COVID-19 in Shanghai, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 45087-45095.	5.3	12
23	Hydrogen peroxide as an oxidant in starch oxidation using molybdovanadophosphate for producing a high carboxylic content. <i>RSC Advances</i> , 2015, 5, 45725-45730.	3.6	8
24	Particulate matter pollution and emergency room visits for respiratory diseases in a valley Basin city of Northwest China. <i>Environmental Geochemistry and Health</i> , 2021, 43, 3457-3468.	3.4	6
25	Organic UV filters mixture exposure and childhood adiposity: A prospective follow-up study in China. <i>Environment International</i> , 2022, 158, 106912.	10.0	6
26	Health risk of extreme low temperature on respiratory diseases in western China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 35760-35767.	5.3	6
27	Study on Solidification Structure Evolution of Direct-Chill Casting High Purity Copper Billet Using Cellular Automaton-Finite Element Method. <i>Metals</i> , 2020, 10, 1052.	2.3	5
28	Short-term effect of ambient ozone pollution on respiratory diseases in western China. <i>Environmental Geochemistry and Health</i> , 2022, 44, 4129-4140.	3.4	4
29	G Protein Subunit Gamma 5 Is a Prognostic Biomarker and Correlated with Immune Infiltrates in Hepatocellular Carcinoma. <i>Disease Markers</i> , 2022, 2022, 1-14.	1.3	4
30	Association between atmospheric particulate matter and emergency room visits for cerebrovascular disease in Beijing, China. <i>Journal of Environmental Health Science &amp; Engineering</i> , 0, , 1.	3.0	2
31	Micellar Molybdovanadophosphates Producing High Content of Carboxylic Acids from Starch Using Hydrogen Peroxide. <i>Catalysis Surveys From Asia</i> , 2015, 19, 123-128.	2.6	1
32	Highly efficient ozone elimination by metal doped ultra-fine Cu <sub>2</sub> O nanoparticles. <i>Journal of Environmental Sciences</i> , 2023, 134, 108-116.	6.1	1
33	Effect of ambient O <sub>3</sub> on mortality due to circulatory and respiratory diseases in a high latitude city of northeast China. <i>Environmental Science and Pollution Research</i> , 2022, , .	5.3	0