

# Zhongxing Zhao

## List of Publications by Year in descending order

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36  
papers

1,791  
citations

186265  
28  
h-index

345221  
36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of highly-hydrophobic novel N-coordinated UiO-66(Zr) with dopamine via fast mechano-chemical method for (CHO-/Cl-)-VOCs competitive adsorption in humid environment. <i>Chemical Engineering Journal</i> , 2018, 332, 608-618.	12.7	135
2	Purification and characterization of antioxidative peptides from round scad ( <i>Decapterus maruadsi</i> ) muscle protein hydrolysate. <i>Food Chemistry</i> , 2014, 154, 158-163.	8.2	112
3	Enhanced hydrophobic MIL(Cr) metal-organic framework with high capacity and selectivity for benzene VOCs capture from high humid air. <i>Chemical Engineering Journal</i> , 2017, 313, 1122-1131.	12.7	109
4	Construction of crystal defect sites in N-coordinated UiO-66 via mechanochemical in-situ N-doping strategy for highly selective adsorption of cationic dyes. <i>Chemical Engineering Journal</i> , 2019, 356, 329-340.	12.7	109
5	Construction of Cu-bridged Cu <sub>2</sub> O/MIL(Fe/Cu) catalyst with enhanced interfacial contact for the synergistic photo-Fenton degradation of thiacloprid. <i>Chemical Engineering Journal</i> , 2020, 395, 125184.	12.7	90
6	Defect engineering of NH <sub>2</sub> -MIL-88B(Fe) using different monodentate ligands for enhancement of photo-Fenton catalytic performance of acetamiprid degradation. <i>Chemical Engineering Journal</i> , 2020, 398, 125684.	12.7	87
7	Hydrophobic N-doped porous biocarbon from dopamine for high selective adsorption of p-Xylene under humid conditions. <i>Chemical Engineering Journal</i> , 2017, 317, 660-672.	12.7	86
8	In-situ fabrication of cellulose foam HKUST-1 and surface modification with polysaccharides for enhanced selective adsorption of toluene and acidic dipeptides. <i>Chemical Engineering Journal</i> , 2019, 369, 898-907.	12.7	72
9	Enhanced moisture-resistance and excellent photocatalytic performance of synchronous N/Zn-decorated MIL-125(Ti) for vaporous acetaldehyde degradation. <i>Chemical Engineering Journal</i> , 2020, 388, 124389.	12.7	71
10	Purification, modification and inhibition mechanism of angiotensin I-converting enzyme inhibitory peptide from silkworm pupa ( <i>Bombyx mori</i> ) protein hydrolysate. <i>Process Biochemistry</i> , 2017, 54, 172-179.	3.7	64
11	Designing C-Fe-O bonded MIL-88B(Fe)/jasmine petal-derived-carbon composite biosensor for the simultaneous detection of dopamine and uric acid. <i>Chemical Engineering Journal</i> , 2021, 404, 126570.	12.7	60
12	Engineering pH-switchable UiO-66 via in-situ amino acid doping for highly selective adsorption of anionic dyes. <i>Chemical Engineering Journal</i> , 2020, 395, 124958.	12.7	56
13	Implanting polyethylene glycol into MIL-101(Cr) as hydrophobic barrier for enhancing toluene adsorption under highly humid environment. <i>Chemical Engineering Journal</i> , 2021, 404, 126562.	12.7	55
14	Fabrication of hollow covalent-organic framework microspheres via emulsion-interfacial strategy to enhance laccase immobilization for tetracycline degradation. <i>Chemical Engineering Journal</i> , 2021, 421, 129743.	12.7	55
15	A Microporous Graphitized Biocarbon with High Adsorption Capacity toward Benzene Volatile Organic Compounds (VOCs) from Humid Air at Ultralow Pressures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 3765-3774.	3.7	52
16	Improved interface compatibility of hollow H-ZrO <sub>1.9</sub> with UiO-66-NH <sub>2</sub> via Zr-Ti bidirectional penetration to boost visible photocatalytic activity for acetaldehyde degradation under high humidity. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120371.	20.2	51
17	Multi-crystalline N-doped Cu/Cu <sub>2</sub> O/C foam catalyst derived from alkaline N-coordinated HKUST-1/CMC for enhanced 4-nitrophenol reduction. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 1-13.	9.4	50
18	High-density immobilization of laccase on hollow nano-sphere NH <sub>2</sub> -MIL88(Fe) host with interfacial defects to improve enzyme activity and stability for remazol brilliant blue R decolorization. <i>Chemical Engineering Journal</i> , 2021, 405, 127003.	12.7	48

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19	Construction of ultra-stable and Z-scheme Fe-Graphdiyne/MIL-100(Fe) photo-Fenton catalyst with C <sub>A</sub> = $\hat{A}$ C-Fe   O interface for the highly enhanced catalytic degradation of Dinotefuran. <i>Chemical Engineering Journal</i> , 2021, 426, 131621.	12.7	41
20	Highly Advanced Degradation of Thiamethoxam by Synergistic Chemisorption-Catalysis Strategy Using MIL(Fe)/Fe-SPC Composites with Ultrasonic Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 35260-35272.	8.0	40
21	Confined construction of COF@Cu-nanozyme with high activity and stability as laccase biomimetic catalyst for the efficient degradation of phenolic pollutants. <i>Chemical Engineering Journal</i> , 2022, 448, 137701.	12.7	39
22	High-Throughput and Rapid Screening of Novel ACE Inhibitory Peptides from Sericin Source and Inhibition Mechanism by Using in Silico and in Vitro Prescriptions. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10020-10028.	5.2	38
23	Graphitized Porous Carbon for Rapid Screening of Angiotensin-Converting Enzyme Inhibitory Peptide GAMVH from Silkworm Pupa Protein and Molecular Insight into Inhibition Mechanism. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8626-8633.	5.2	36
24	Pyrrolic N-enriched carbon fabricated from dopamine-melamine via fast mechanochemical copolymerization for highly selective separation of CO <sub>2</sub> from CO <sub>2</sub> /N <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2018, 349, 92-100.	12.7	34
25	Engineering NSAIDs imprinted UiO-66s for markedly enhanced adsorption of coexisting diclofenac sodium and Cu(II) and their synergistic adsorption mechanism. <i>Chemical Engineering Journal</i> , 2021, 426, 131440.	12.7	32
26	Biomimetic O <sub>2</sub> -carrying and highly in-situ H <sub>2</sub> O <sub>2</sub> generation using Ti <sub>3</sub> C <sub>2</sub> MXene/MIL-100(Fe) hybrid via Fe-Protoporphyrin bridging for photo-fenton synergistic degradation of thiacloprid. <i>Chemical Engineering Journal</i> , 2022, 450, 137964.	12.7	31
27	Amino Acid Imprinted UiO-66s for Highly Recognized Adsorption of Small Angiotensin-Converting-Enzyme-Inhibitory Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 23039-23049.	8.0	30
28	Hydrophobic shell structured NH <sub>2</sub> -MIL(Ti)-125@mesoporous carbon composite via confined growth strategy for ultra-high selective adsorption of toluene under highly humid environment. <i>Chemical Engineering Journal</i> , 2022, 432, 134340.	12.7	29
29	Ultrafast Screening of a Novel, Moderately Hydrophilic Angiotensin-Converting-Enzyme-Inhibitory Peptide, RYL, from Silkworm Pupa Using an Fe-Doped-Silkworm-Excrement-Derived Biocarbon: Waste Conversion by Waste. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 11202-11211.	5.2	26
30	Nitrogen-Doped Hollow Copolymer Tube via Template-Free Asynchronous Polymerization with Highly Selective Separation of Hydrophilic Dipeptide for Enhancing Inhibitory Activity of Angiotensin Converting Enzyme. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31700-31708.	8.0	15
31	Ultrasonic-assisted modification of a novel silkworm-excrement-based porous carbon with various Lewis acid metal ions for the sustained release of the pesticide thiamethoxam. <i>RSC Advances</i> , 2017, 7, 30020-30031.	3.6	13
32	Porous Fe@C Composites Derived from Silkworm Excrement for Effective Separation of Anisole Compounds. <i>ACS Omega</i> , 2019, 4, 21204-21213.	3.5	8
33	Accurate prediction for adsorption rate of peptides with high ACE-inhibitory activity from sericin hydrolysate on thiophene hypercross-linked polymer using CoMSIA in 3D-QSAR model. <i>Food Research International</i> , 2021, 141, 110144.	6.2	6
34	Amino acids imprinted ZIF-8s for the highly efficient and selective adsorption of antioxidant peptides from silkworm pupa protein. <i>Food Research International</i> , 2022, 157, 111406.	6.2	6
35	Preparation and Performance Evaluation of Butylated Graphene Oxide (C <sub>4</sub> H <sub>9</sub> -GO) Incorporated Modified Cement. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 3991-4002.	3.0	3
36	Kinetic Model of Enzymatic Hydrolysis of Protein about the Protein of Silkworm Pupae – Alcalase System. , 2012, , .		1