

# Chao He

## List of Publications by Citations

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76  
papers

1,453  
citations

24  
h-index

34  
g-index

84  
ext. papers

1,951  
ext. citations

7.7  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
76	Substrate-Independent Robust and Heparin-Mimetic Hydrogel Thin Film Coating via Combined LbL Self-Assembly and Mussel-Inspired Post-Cross-linking. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26050-62	9.5	70
75	Mussel-Inspired Synthesis of NIR-Responsive and Biocompatible Ag-Graphene 2D Nanoagents for Versatile Bacterial Disinfections. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 296-307	9.5	70
74	Graphene oxide based heparin-mimicking and hemocompatible polymeric hydrogels for versatile biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 592-602	7.3	67
73	Metal-Organic-Framework-Engineered Enzyme-Mimetic Catalysts. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003065	6.4	64
72	Metal-Organic Framework/Ag-Based Hybrid Nanoagents for Rapid and Synergistic Bacterial Eradication. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13698-13708	9.5	59
71	Light-Triggered Switching of Reversible and Alterable Biofunctionality via Cyclodextrin/Azobenzene-Based Host-Guest Interaction. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 1130-1133	6.6	56
70	Heparin-based and heparin-inspired hydrogels: size-effect, gelation and biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 1186-1208	7.3	52
69	Core-shell-structured MOF-derived 2D hierarchical nanocatalysts with enhanced Fenton-like activities. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3168-3179	13	52
68	Nanofibrous membranes with surface migration of functional groups for ultrafast wastewater remediation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13359-13372	13	49
67	Self-assembled 3D biocompatible and bioactive layer at the macro-interface via graphene-based supermolecules. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3563	4.9	49
66	Codeposition of Polydopamine and Zwitterionic Polymer on Membrane Surface with Enhanced Stability and Antibiofouling Property. <i>Langmuir</i> , <b>2019</b> , 35, 1430-1439	4	44
65	Interfacial strength and mechanical properties of biocomposites based on ramie fibers and poly(butylene succinate). <i>RSC Advances</i> , <b>2013</b> , 3, 26418	3.7	39
64	Augmenting Intrinsic Fenton-Like Activities of MOF-Derived Catalysts via N-Molecule-Assisted Self-catalyzed Carbonization. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 87	19.5	37
63	Graphene oxide and sulfonated polyanion co-doped hydrogel films for dual-layered membranes with superior hemocompatibility and antibacterial activity. <i>Biomaterials Science</i> , <b>2016</b> , 4, 1431-40	7.4	37
62	A bioinspired strategy towards super-adsorbent hydrogel spheres via self-sacrificing micro-reactors for robust wastewater remediation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21386-21403	13	34
61	Bioinspired Spiky Peroxidase-Mimics for Localized Bacterial Capture and Synergistic Catalytic Sterilization. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005477	24	33
60	Improved antifouling and antimicrobial efficiency of ultrafiltration membranes with functional carbon nanotubes. <i>RSC Advances</i> , <b>2016</b> , 6, 88265-88276	3.7	30

59	Transition Metal and Metal-N Codoped MOF-Derived Fenton-Like Catalysts: A Comparative Study on Single Atoms and Nanoparticles. <i>Small</i> , <b>2020</b> , 16, e2005060	11	28
58	ZnO/Nanocarbons-Modified Fibrous Scaffolds for Stem Cell-Based Osteogenic Differentiation. <i>Small</i> , <b>2020</b> , 16, e2003010	11	28
57	Graphene-based advanced nanoplatfoms and biocomposites from environmentally friendly and biomimetic approaches. <i>Green Chemistry</i> , <b>2019</b> , 21, 4887-4918	10	27
56	Modification of polyethersulfone membranes using terpolymers engineered and integrated antifouling and anticoagulant properties. <i>Polymers for Advanced Technologies</i> , <b>2013</b> , 24, 1040-1050	3.2	26
55	Positively-charged polyethersulfone nanofibrous membranes for bacteria and anionic dyes removal. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 492-502	9.3	25
54	Robust, highly elastic and bioactive heparin-mimetic hydrogels. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 7893-7901	4.9	24
53	Graphene oxide linked sulfonate-based polyanionic nanogels as biocompatible, robust and versatile modifiers of ultrafiltration membranes. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 6143-6153	7.3	24
52	Spread of imipenem-resistant <i>Acinetobacter baumannii</i> of European clone II in Western China. <i>International Journal of Antimicrobial Agents</i> , <b>2011</b> , 38, 257-60	14.3	24
51	Post-treatment alpha-fetoprotein response predicts prognosis of patients with hepatocellular carcinoma: A meta-analysis. <i>Medicine (United States)</i> , <b>2019</b> , 98, e16557	1.8	20
50	Hedgehog artificial macrophage with atomic-catalytic centers to combat Drug-resistant bacteria. <i>Nature Communications</i> , <b>2021</b> , 12, 6143	17.4	19
49	Insights into the surface property and blood compatibility of polyethersulfone/polyvinylpyrrolidone composite membranes: toward high-performance hemodialyzer. <i>Polymers for Advanced Technologies</i> , <b>2014</b> , 25, 851-860	3.2	18
48	Designing of Rewritable Paper by Hydrochromic Donor-Acceptor Stenhouse Adducts. <i>ACS Nano</i> , <b>2021</b> , 15, 10384-10392	16.7	18
47	Construction of microgels embedded robust ultrafiltration membranes for highly effective bioadhesion resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 139, 199-210	6	17
46	Increasing imipenem resistance and dissemination of the ISAb1-associated blaOXA-23 gene among <i>Acinetobacter baumannii</i> isolates in an intensive care unit. <i>Journal of Medical Microbiology</i> , <b>2011</b> , 60, 337-341	3.2	17
45	Biocompatible In Situ Polymerization of Multipurpose Polyacrylamide-Based Hydrogels on Skin via Silver Ion Catalyzation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31079-31089	9.5	16
44	Functionalized polyurethane sponge based on dopamine derivative for facile and instantaneous clean-up of cationic dyes in a large scale. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123203	12.8	14
43	Design of poly ionic liquids modified cotton fabric with ion species-triggered bidirectional oil-water separation performance. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123163	12.8	14
42	Highly swellable and biocompatible graphene/heparin-analogue hydrogels for implantable drug and protein delivery. <i>RSC Advances</i> , <b>2016</b> , 6, 71893-71904	3.7	14

41	Design of carboxymethyl chitosan-based heparin-mimicking cross-linked beads for safe and efficient blood purification. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 117, 392-400	7.9	13
40	Performance of procalcitonin in diagnosing parapneumonic pleural effusions: A clinical study and meta-analysis. <i>Medicine (United States)</i> , <b>2017</b> , 96, e7829	1.8	12
39	Anticoagulant chitosan-kappa-carrageenan composite hydrogel sorbent for simultaneous endotoxin and bacteria cleansing in septic blood. <i>Carbohydrate Polymers</i> , <b>2020</b> , 243, 116470	10.3	11
38	Construction of Kevlar nanofiber/graphene oxide composite beads as safe, self-anticoagulant, and highly efficient hemoperfusion adsorbents. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 1960-1970	7.3	11
37	Multifunctionalized polyethersulfone membranes with networked submicrogels to improve antifouling property, antibacterial adhesion and blood compatibility. <i>Materials Science and Engineering C</i> , <b>2019</b> , 96, 402-411	8.3	11
36	Vapor induced phase separation towards anion-/near-infrared-responsive pore channels for switchable anti-fouling membranes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 8934-8948	13	11
35	Safe and Effective Removal of Urea by Urease-Immobilized, Carboxyl-Functionalized PES Beads with Good Reusability and Storage Stability. <i>ACS Omega</i> , <b>2019</b> , 4, 2853-2862	3.9	10
34	Urease-Immobilized Magnetic Graphene Oxide as a Safe and Effective Urea Removal Recyclable Nanocatalyst for Blood Purification. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 8955-8964	3.9	9
33	Stress Ratio and Notch Effects on the Very High Cycle Fatigue Properties of a Near-Alpha Titanium Alloy. <i>Materials</i> , <b>2018</b> , 11,	3.5	9
32	Characteristics of oral methicillin-resistant <i>Staphylococcus epidermidis</i> isolated from dental plaque. <i>International Journal of Oral Science</i> , <b>2020</b> , 12, 15	27.9	8
31	Hemocompatible magnetic particles with broad-spectrum bacteria capture capability for blood purification. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 576, 1-9	9.3	8
30	Natural lignin nanoparticles: a promising nano-crosslinker for constructing fluorescent photoswitchable supramolecular hydrogels. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 1871-1876	4.9	8
29	Diagnostic value of D2-40 immunostaining for malignant mesothelioma: a meta-analysis. <i>Oncotarget</i> , <b>2017</b> , 8, 64407-64416	3.3	8
28	Root-soil structure inspired hydrogel microspheres with high dimensional stability and anion-exchange capacity. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 532, 680-688	9.3	7
27	Changes of alpha-fetoprotein levels could predict recurrent hepatocellular carcinoma survival after trans-arterial chemoembolization. <i>Oncotarget</i> , <b>2017</b> , 8, 85599-85611	3.3	7
26	Ultrasonic fatigue damage behavior of 304L austenitic stainless steel based on micro-plasticity and heat dissipation. <i>Journal of Iron and Steel Research International</i> , <b>2015</b> , 22, 638-644	1.2	6
25	Homology and Immune Checkpoint Dual-Targeted Sonocatalytic Nanoagents for Enhancing Sonodynamic Tumor Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 32810-32822	9.5	6
24	Green Fabrication of Tannic Acid-Inspired Magnetic Composite Nanoparticles toward Cationic Dye Capture and Selective Degradation. <i>ACS Omega</i> , <b>2020</b> , 5, 6566-6575	3.9	5

23	Utility of the Abbott RealTime HCV Genotype Plus RUO assay used in combination with the Abbott RealTime HCV Genotype II assay. <i>Journal of Clinical Virology</i> , <b>2018</b> , 99-100, 97-100	14.5	5
22	Evaluation the efficacy and safety of simultaneous splenectomy in liver transplantation patients: A meta-analysis. <i>Medicine (United States)</i> , <b>2018</b> , 97, e0087	1.8	5
21	Postoperative aspartate aminotransferase to lymphocyte ratio index change is an independent predictor of survival in patients with small hepatocellular carcinoma. <i>Medicine (United States)</i> , <b>2017</b> , 96, e8540	1.8	5
20	Molecularly imprinted polyethersulfone membranes for the sieving, binding and recognition of bisphenol A. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 5781-5789		5
19	Assembling and Regulating of Transition Metal-Based Heterophase Vanadates as Efficient Oxygen Evolution Catalysts. <i>Small</i> , <b>2021</b> , e2105763	11	5
18	Thymalfasin, a promising adjuvant therapy in small hepatocellular carcinoma after liver resection. <i>Medicine (United States)</i> , <b>2017</b> , 96, e6606	1.8	4
17	Development and validation of an advanced fragment analysis-based assay for the detection of 22 pathogens in the cerebrospinal fluid of patients with meningitis and encephalitis. <i>Journal of Clinical Laboratory Analysis</i> , <b>2019</b> , 33, e22707	3	4
16	Amides and Heparin-Like Polymer Co-Functionalized Graphene Oxide Based Core @ Polyethersulfone Based Shell Beads for Bilirubin Adsorption. <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e2000153	5.5	4
15	Urease immobilized GO core@shell heparin-mimicking polymer beads with safe and effective urea removal for blood purification. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 156, 1503-1511	7.9	4
14	Clearance of methylene blue by CdS enhanced composite hydrogel materials. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 1-12	2.6	3
13	Molecular Imprinted Polysulfone Membranes for the Sieving, Binding, and Recognition of Bisphenol A. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2013</b> , 62, 17-22	3	3
12	Improved Cooling Performance of Hydrogel Wound Dressings via Integrating Thermal Conductivity and Heat Storage Capacity for Burn Therapy.. <i>Biomacromolecules</i> , <b>2022</b> ,	6.9	3
11	Molecular epidemiology and antifungal susceptibilities of <i>Cryptococcus</i> species isolates from HIV and non-HIV patients in Southwest China. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , <b>2021</b> , 40, 287-295	5.3	3
10	Construction of dual-carbon-confined metal sulfide nanocrystals via bio-mimetic reactors enabling superior Fenton-like catalysis. <i>Journal of Materials Chemistry A</i> ,	13	3
9	Carbon Spacer Strategy: Control the Photoswitching Behavior of Donor-Acceptor Stenhouse Adducts. <i>Langmuir</i> , <b>2021</b> , 37, 802-809	4	3
8	Highly efficient removal of organic pollutants by composite nanofibrous membrane based on the synergistic effect of adsorption and photocatalysis. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 124, 76-85	9.1	3
7	The prognostic value of aspartate aminotransferase-to-lymphocyte ratio index in early-stage hepatocellular carcinoma after hepatectomy: A propensity-score matched analysis. <i>Asia-Pacific Journal of Clinical Oncology</i> , <b>2021</b> , 17, e238-e248	1.9	2
6	Selective potassium uptake via biocompatible zeolite-polymer hybrid microbeads as promising binders for hyperkalemia. <i>Bioactive Materials</i> , <b>2021</b> , 6, 543-558	16.7	2

- 5 Structures, properties, and challenges of emerging 2D materials in bioelectronics and biosensors. *Information Materials*, 2022, 23.1 2
- 4 Controlling the Isomerization of Photoresponsive Molecules through a Limiting Tautomerization Strategy.. *Journal of Physical Chemistry B*, **2022**, 26.12 1
- 3 Clonal characteristics of *Acinetobacter baumannii* isolated from cerebrospinal fluid in a west China hospital. *Journal of Medical Microbiology*, **2013**, 62, 1631-1633 3.2
- 2 Can the WIND Definition Classify All Invasively Ventilated Patients?. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 197, 403 10.2
- 1 Cutaneous Phaeohyphomycosis of the Right Hand Caused by *Exophiala jeanselmei*: A Case Report and Literature Review.. *Mycopathologia*, **2022**, 1 2.9