

# Hongjun Zhou

## List of Publications by Year in descending order

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61  
papers

1,328  
citations

331670

21  
h-index

395702

33  
g-index

63  
all docs

63  
docs citations

63  
times ranked

981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composite pesticide nanocarriers involving functionalized boron nitride nanoplatelets for pH-responsive release and enhanced UV stability. <i>Chemical Engineering Journal</i> , 2020, 396, 125233.	12.7	86
2	Synthesis and Characterization of Chlorpyrifos/Copper(II) Schiff Base Mesoporous Silica with pH Sensitivity for Pesticide Sustained Release. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8095-8102.	5.2	80
3	Carboxymethyl chitosan grafted trisiloxane surfactant nanoparticles with pH sensitivity for sustained release of pesticide. <i>Carbohydrate Polymers</i> , 2020, 243, 116433.	10.2	67
4	pH/redox dual responsive from natural polymer-based nanoparticles for on-demand delivery of pesticides. <i>Chemical Engineering Journal</i> , 2022, 435, 134861.	12.7	60
5	Carboxymethyl cellulose capsulated zein as pesticide nano-delivery system for improving adhesion and anti-UV properties. <i>Carbohydrate Polymers</i> , 2020, 231, 115725.	10.2	58
6	Synthesis of Nano-Zinc Oxide Loaded on Mesoporous Silica by Coordination Effect and Its Photocatalytic Degradation Property of Methyl Orange. <i>Nanomaterials</i> , 2018, 8, 317.	4.1	57
7	Phosphorylated Zein as Biodegradable and Aqueous Nanocarriers for Pesticides with Sustained-Release and anti-UV Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9989-9999.	5.2	51
8	Coordination bonding-based polydopamine-modified mesoporous silica for sustained avermectin release. <i>Materials Science and Engineering C</i> , 2019, 105, 110073.	7.3	51
9	Natural rosin modified carboxymethyl cellulose delivery system with lowered toxicity for long-term pest control. <i>Carbohydrate Polymers</i> , 2021, 259, 117749.	10.2	51
10	Long-lasting anti-bacterial activity and bacteriostatic mechanism of tea tree oil adsorbed on the amino-functionalized mesoporous silica-coated by PAA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110784.	5.0	49
11	Preparation and Characterization of Two-component Waterborne Polyurethane Comprised of Water-soluble Acrylic Resin and HDI Biuret. <i>Chinese Journal of Chemical Engineering</i> , 2006, 14, 99-104.	3.5	41
12	Dialdehyde carboxymethyl cellulose-zein conjugate as water-based nanocarrier for improving the efficacy of pesticides. <i>Industrial Crops and Products</i> , 2020, 150, 112358.	5.2	33
13	Synthesis, characterization, and comparison of antibacterial effects and elucidating the mechanism of ZnO, CuO and CuZnO nanoparticles supported on mesoporous silica SBA-3. <i>RSC Advances</i> , 2020, 10, 2767-2785.	3.6	33
14	Enzyme cum pH dual-responsive controlled release of avermectin from functional polydopamine microcapsules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110699.	5.0	32
15	Preparation of pH-responsive avermectin/feather keratin-hyaluronic acid with anti-UV and sustained-release properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 291-299.	5.0	29
16	Preparation of Tea Tree Oil/Poly(styrene-butyl methacrylate) Microspheres with Sustained Release and Anti-Bacterial Properties. <i>Materials</i> , 2018, 11, 710.	2.9	25
17	Facile Mechanical-Induced Functionalization of Hexagonal Boron Nitride and Its Application as Vehicles for Antibacterial Essential Oil. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15120-15133.	6.7	25
18	A high-efficient nano pesticide-fertilizer combination fabricated by amino acid-modified cellulose based carriers. <i>Pest Management Science</i> , 2022, 78, 506-520.	3.4	24

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19	Preparation and characterization of vanillin-chitosan Schiff base zinc complex for a novel Zn <sup>2+</sup> sustained released system. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 611-618.	7.5	24
20	Preparation and Characterization of Zein-Based Nanoparticles via Ring-Opening Reaction and Self-Assembly as Aqueous Nanocarriers for Pesticides. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9624-9635.	5.2	23
21	Preparation of Avermectin/Grafted CMC Nanoparticles and Their Sustained Release Performance. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2945-2953.	5.0	22
22	Mutations in pheromone-binding protein3 contribute to pheromone response variations in <i>Plutella xylostella</i> (L.) (Lepidoptera: Plutellidae). <i>Pest Management Science</i> , 2019, 75, 2034-2042.	3.4	21
23	Synergistic antimicrobial activities of tea tree oil loaded on mesoporous silica encapsulated by polyethyleneimine. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1859-1871.	2.4	21
24	Highly efficient triazolone/metal ion/polydopamine/MCM-41 sustained release system with pH sensitivity for pesticide delivery. <i>Royal Society Open Science</i> , 2018, 5, 180658.	2.4	19
25	Hydrogen production by steam reforming of ethanol over copper doped Ni/CeO <sub>2</sub> catalysts. <i>Journal of Rare Earths</i> , 2011, 29, 872-877.	4.8	18
26	Enzyme and pH dual-responsive avermectin nano-microcapsules for improving its efficacy. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25107-25116.	5.3	18
27	Synthesis of ZnO nanoparticles supported on mesoporous SBA-15 with coordination effect -assist for anti-bacterial assessment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 285-294.	5.0	18
28	Elaboration of a feather keratin/carboxymethyl cellulose complex exhibiting pH sensitivity for sustained pesticide release. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47160.	2.6	18
29	Synthesis of mesoporous silica post-loaded by methyl eugenol as an environment-friendly slow-release bio pesticide. <i>Scientific Reports</i> , 2020, 10, 6108.	3.3	18
30	A stable polyamine-modified zein-based nanoformulation with high foliar affinity and lowered toxicity for sustained avermectin release. <i>Pest Management Science</i> , 2021, 77, 3300-3312.	3.4	18
31	Hydrogen Production by Ethanol Reforming on Supported Ni-Cu Catalysts. <i>ACS Omega</i> , 2022, 7, 4577-4584.	3.5	18
32	A chitosan modified Pt/SiO <sub>2</sub> catalyst for the synthesis of 3-poly(ethylene glycol) propyl ether-heptamethyltrisiloxane applied as agricultural synergistic agent. <i>Catalysis Communications</i> , 2018, 104, 118-122.	3.3	16
33	Fabrication of Reactive Poly(Phenyl-Substituted Siloxanes/Silsesquioxanes) with Si-H and Alkoxy Functional Groups via the Piers-Rubinsztajn Reaction. <i>Polymers</i> , 2018, 10, 1006.	4.5	16
34	Hydrazone-linked soybean protein isolate-carboxymethyl cellulose conjugates for pH-responsive controlled release of pesticides. <i>Polymer Journal</i> , 2019, 51, 1211-1222.	2.7	15
35	Soy protein isolate-carboxymethyl cellulose conjugates with pH sensitivity for sustained avermectin release. <i>Royal Society Open Science</i> , 2019, 6, 190685.	2.4	14
36	Mt-supported ZnO/TiO <sub>2</sub> nanocomposite for agricultural antibacterial agent involving enhanced antibacterial activity and increased wettability. <i>Applied Clay Science</i> , 2021, 214, 106296.	5.2	12

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37	Synthesis of pH-responsive isolated soy protein/carboxymethyl chitosan microspheres for sustained pesticide release. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48358.	2.6	11
38	Rosin modified aminated mesoporous silica adsorbed tea tree oil sustained-release system for improve synergistic antibacterial and long-term antibacterial effects. <i>Nanotechnology</i> , 2021, 32, 275707.	2.6	11
39	Preparation of sustained-release chlorpyrifos particles via the emulsification coacervation method and their sustained-release performance. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2017, 54, 91-96.	2.2	10
40	Functionalization of mesoporous silica as an effective composite carrier for essential oils with improved sustained release behavior and long-term antibacterial performance. <i>Nanotechnology</i> , 2022, 33, 035706.	2.6	10
41	Preparation of mesoporous silica-based nanocomposites with synergistically antibacterial performance from nano-metal (oxide) and polydopamine. <i>Nanotechnology</i> , 2022, 33, 155702.	2.6	10
42	A Comparison Study of Antiultraviolet and Sustained Release Properties of Polydopamine/Avermectin Microcapsule and Microsphere. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-13.	2.7	8
43	Platinum on 2-aminoethanethiol functionalized MIL-101 as a catalyst for alkene hydrosilylation. <i>RSC Advances</i> , 2019, 9, 20314-20322.	3.6	8
44	Partially charged platinum on aminated and carboxylated SBA-15 as a catalyst for alkene hydrosilylation. <i>RSC Advances</i> , 2020, 10, 3175-3183.	3.6	8
45	Synthesis and applications of MANs/poly(MMA-co-BA) nanocomposite latex by miniemulsion polymerization. <i>Royal Society Open Science</i> , 2017, 4, 170844.	2.4	7
46	Allyl-2,6-dimethoxyphenol, a female-biased compound, is robustly attractive to conspecific males of <i>Bactrocera dorsalis</i> at close range. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 811-819.	1.4	7
47	One-pot self-assembly strategy to prepare mesoporous silica-based nanocomposites with enhanced and long-term antibacterial performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129654.	4.7	7
48	Preparation of 2,4-dichlorophenoxyacetic acid loaded on cysteamine-modified polydopamine and its release behaviors. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47469.	2.6	6
49	One-step synthesis of methyl eugenol/Schiff base mesoporous silica nanoparticles sustained-release performance with high lure efficiency. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 92, 723-735.	2.4	5
50	Long effective tea tree oil/mesoporous silica sustained release system decorated by polyethyleneimine with high antibacterial performance. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-12.	2.4	5
51	Anchoring PNIPAM on ATP Surface via hydrogen bonding and coordination for a temperature-responsive adsorption of hydrophobic drug. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	5
52	Preparation of p-amino salicylic acid-modified polysuccinimide as water-based nanocarriers for enhancing pesticide stability and insecticidal activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 111990.	5.0	5
53	Fluorinated sodium carboxymethyl cellulose nanoparticles as carrier for improving adhesion and sustaining release of AVM. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 219-231.	2.2	5
54	Synthesis, Characterization of Metal-Schiff Base Functionalized Mesoporous Silica for Pesticide Adsorption. <i>Medziagotyra</i> , 2019, 25, .	0.2	4

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55	One step synthesis, characterization of F127-Mn <sup>+</sup> -chlorpyrifos mesoporous silica for sustained release system with pH sensitivity. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 34-41.	2.2	4
56	Development of a stable and efficient zein based nanopesticides through green and simple way for improving utilization efficiency. <i>Journal of Asia-Pacific Entomology</i> , 2022, 25, 101906.	0.9	3
57	Triazolone/alginate-zinc (II)-montmorillonite sustained release system with improved adsorption capacity and pH-sensitivity. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	2
58	Essential oil-loaded chitosan/zinc (II) montmorillonite synergistic sustained-release system as antibacterial material. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 288-298.	2.4	2
59	Green preparation of nano-silver aqueous solution using fructose and evaluation of its antibacterial potential for cut carnation flowers. <i>Micro and Nano Letters</i> , 2022, 17, 16-24.	1.3	2
60	Synthesis of potent antifungal 3,4-dichloroiso-thiazole-based strobilurins with both direct fungicidal activity and systemic acquired resistance. <i>RSC Medicinal Chemistry</i> , 2022, 13, 429-435.	3.9	1
61	One Step Synthesis, Characterization of Modified Montmorillonite with Hydrothermal-Assist for Triazolone Sustained Release System with pH Sensitivity. <i>Medziagotyra</i> , 2020, 26, 451-456.	0.2	0