

Huayao Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6647022/publications.pdf>

Version: 2024-02-01

36
papers

969
citations

430874

18
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

677
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 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
12	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
13	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
14	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
15	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
16	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
17	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
18	Functionalization of boron nitride nanosheets via thiol terminated polyethyleneimine to enhance aqueous dispersibility and efficiency as carriers for essential oils and pesticides. <i>Chemical Engineering Journal</i> , 2021, 423, 130166.	12.7	21

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	Mt-supported ZnO/TiO ₂ nanocomposite for agricultural antibacterial agent involving enhanced antibacterial activity and increased wettability. <i>Applied Clay Science</i> , 2021, 214, 106296.	5.2	12
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	One step synthesis, characterization of F127-Mn ⁺ -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
35	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
36	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