

Kai Zhao

List of Publications by Year in descending order

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87
papers

3,445
citations

172386

29
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149623

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93
all docs

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docs citations

93
times ranked

4312
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydro-mechanical properties of rock-like specimens with pre-existing intermittent joints. <i>European Journal of Environmental and Civil Engineering</i> , 2023, 27, 2542-2551.	1.0	2
2	Modulating reaction pathways of formic acid oxidation for optimized electrocatalytic performance of PtAu/CoNC. <i>Nano Research</i> , 2022, 15, 1221-1229.	5.8	22
3	Mannose-anchored quaternized chitosan/thiolated carboxymethyl chitosan composite NPs as mucoadhesive carrier for drug delivery. <i>Carbohydrate Polymers</i> , 2022, 283, 119174.	5.1	33
4	Exendin 4-Hapten Conjugate Capable of Binding with Endogenous Antibodies for Peptide Half-life Extension and Exerting Long-Acting Hypoglycemic Activity. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4947-4959.	2.9	8
5	Evaluation of Chitosan Derivatives Modified Mesoporous Silica Nanoparticles as Delivery Carrier. <i>Molecules</i> , 2021, 26, 2490.	1.7	12
6	Meridional Migration of Eastern North Pacific Tropical Cyclogenesis: Joint Contribution of Interhemispheric Temperature Differential and ENSO. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034504.	1.2	2
7	Intranasal immunization with O-2-Hydroxypropyl trimethyl ammonium chloride chitosan nanoparticles loaded with Newcastle disease virus DNA vaccine enhances mucosal immune response in chickens. <i>Journal of Nanobiotechnology</i> , 2021, 19, 240.	4.2	11
8	N-2-Hydroxypropyl Trimethyl Ammonium Chloride Chitosan as Adjuvant Enhances the Immunogenicity of a VP2 Subunit Vaccine against Porcine Parvovirus Infection in Sows. <i>Vaccines</i> , 2021, 9, 1027.	2.1	5
9	Self-Assembly of Soluble Chitosan Derivatives Nanoparticles for Vaccine: Synthesis, Characterization and Evaluation. <i>Polymers</i> , 2021, 13, 4097.	2.0	4
10	Targeting delivery of partial VAR2CSA peptide guided N-2-Hydroxypropyl trimethyl ammonium chloride chitosan nanoparticles for multiple cancer types. <i>Materials Science and Engineering C</i> , 2020, 106, 110171.	3.8	8
11	An overview of biodegradable nanomaterials and applications in vaccines. <i>Vaccine</i> , 2020, 38, 1096-1104.	1.7	36
12	Chitosan Derivatives and Their Application in Biomedicine. <i>International Journal of Molecular Sciences</i> , 2020, 21, 487.	1.8	467
13	Durable Moisture-wicking and Fast-dry Polyester Fabric Prepared by UV-induced Click Reaction. <i>Fibers and Polymers</i> , 2020, 21, 111-118.	1.1	9
14	A waste utilization strategy for preparing high-performance supercapacitor electrodes with sea urchin-like structure. <i>Ionics</i> , 2020, 26, 3565-3577.	1.2	3
15	Electrochemical Dissolution Behavior of Nickel-Based Hastelloy X Superalloy at Low Current Densities. <i>IEEE Access</i> , 2020, 8, 62714-62724.	2.6	24
16	Water-soluble N-2-Hydroxypropyl trimethyl ammonium chloride chitosan enhanced the immunogenicity of inactivated porcine parvovirus vaccine vaccination on sows against porcine parvovirus infection. <i>Immunology Letters</i> , 2020, 223, 26-32.	1.1	9
17	Dendrigrft poly-L-lysines delivery of DNA vaccine effectively enhances the immunogenic responses against H9N2 avian influenza virus infection in chickens. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 27, 102209.	1.7	10
18	Quaternized Chitosan Nanoparticles in Vaccine Applications. <i>Current Medicinal Chemistry</i> , 2020, 27, 4932-4944.	1.2	17

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19	Diversity, Roles, and Biotechnological Applications of Symbiotic Microorganisms in the Gut of Termite. <i>Current Microbiology</i> , 2019, 76, 755-761.	1.0	24
20	One-step immobilization and purification of genetic engineering CBD fusion EndoS on cellulose for antibodies Fc-glycan remodeling. <i>Bioorganic Chemistry</i> , 2019, 91, 103114.	2.0	11
21	Adjuvants and delivery systems based on polymeric nanoparticles for mucosal vaccines. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118731.	2.6	73
22	Targeted Delivery Prodigiosin to Choriocarcinoma by Peptide-Guided Dendrigrft Poly-l-lysines Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5458.	1.8	18
23	Applications of polymer-based nanoparticles in vaccine field. <i>Nanotechnology Reviews</i> , 2019, 8, 143-155.	2.6	54
24	Tracking control of nonlinear systems with improved performance via transformational approach. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 1789-1806.	2.1	12
25	Accelerated neuroadaptive tracking control of strict feedback nonlinear systems without precise knowledge of target trajectory. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 27-49.	2.3	15
26	Biological Potential and Mechanism of Prodigiosin from <i>Serratia marcescens</i> Subsp. <i>lawsoniana</i> in Human Choriocarcinoma and Prostate Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3465.	1.8	54
27	Effect of Core-Shell Morphology on the Mechanical Properties and Crystallization Behavior of HDPE/HDPE-g-MA/PA6 Ternary Blends. <i>Polymers</i> , 2018, 10, 1040.	2.0	11
28	Enhancing Mucosal Immune Response of Newcastle Disease Virus DNA Vaccine Using <i>N</i> -2-Hydroxypropyl Trimethylammonium Chloride Chitosan and <i>O</i> -Carboxymethyl Chitosan Nanoparticles as Delivery Carrier. <i>Molecular Pharmaceutics</i> , 2018, 15, 226-237.	2.3	52
29	Polysaccharides as vaccine adjuvants. <i>Vaccine</i> , 2018, 36, 5226-5234.	1.7	157
30	Polymer-Based Nanomaterials and Applications for Vaccines and Drugs. <i>Polymers</i> , 2018, 10, 31.	2.0	227
31	Biomedical Applications of Chitosan and Its Derivative Nanoparticles. <i>Polymers</i> , 2018, 10, 462.	2.0	364
32	Polyurethane foam derived nitrogen-enriched porous carbon/reduced graphene oxide composite with sandwich-like nanoarchitectures for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9942-9953.	1.1	3
33	Polyurethane and polyaniline foam-derived nickel oxide-incorporated porous carbon composite for high-performance supercapacitors. <i>Journal of Materials Science</i> , 2018, 53, 13156-13172.	1.7	12
34	Reinforcing high-density polyethylene by polyacrylonitrile fibers. <i>Pigment and Resin Technology</i> , 2018, 47, 86-94.	0.5	3
35	Preparation of inflorescence-like ACNF/PANI/NiO composite with three-dimension nanostructure for high performance supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2017, 790, 40-49.	1.9	29
36	Activation of phospholipase C- β 1 and translocation of phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase contribute to GL-V9-induced apoptosis in human gastric cancer cells. <i>Experimental Cell Research</i> , 2017, 356, 8-19.	1.2	9

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37	Response of live Newcastle disease virus encapsulated in N-2-hydroxypropyl dimethylethyl ammonium chloride chitosan nanoparticles. <i>Carbohydrate Polymers</i> , 2017, 171, 267-280.	5.1	24
38	High-Density Polyethylene-Based Ternary Blends Toughened by PA6/PBT Core-Shell Particles. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1908-1915.	1.9	10
39	Quaternized chitosan nanoparticles loaded with the combined attenuated live vaccine against Newcastle disease and infectious bronchitis elicit immune response in chicken after intranasal administration. <i>Drug Delivery</i> , 2017, 24, 1574-1586.	2.5	57
40	Adaptive Control With Exponential Regulation in the Absence of Persistent Excitation. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 2589-2596.	3.6	74
41	Advances and Potential Applications of Chitosan Nanoparticles as a Delivery Carrier for the Mucosal Immunity of Vaccine. <i>Current Drug Delivery</i> , 2017, 14, 27-35.	0.8	20
42	Isolation, Identification, and Expression of Microbial Cellulases from the Gut of <i>Odontotermes formosanus</i> . <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 122-129.	0.9	6
43	Isolation, Purification, and Identification of Taxol and Related Taxanes from Taxol-Producing Fungus <i>Aspergillus niger</i> subsp. <i>taxi</i> . <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1379-1385.	0.9	26
44	Immune Effect of Newcastle Disease Virus DNA Vaccine with C3d as a Molecular Adjuvant. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 2060-2069.	0.9	9
45	Structural Parameters Calibration for Binocular Stereo Vision Sensors Using a Double-Sphere Target. <i>Sensors</i> , 2016, 16, 1074.	2.1	11
46	Oroxylin A inhibits invasion and migration through suppressing ERK/GSK β signaling in snail-expressing non-small cell lung cancer cells. <i>Molecular Carcinogenesis</i> , 2016, 55, 2121-2134.	1.3	32
47	IgA response and protection following nasal vaccination of chickens with Newcastle disease virus DNA vaccine nanoencapsulated with Ag@SiO ₂ hollow nanoparticles. <i>Scientific Reports</i> , 2016, 6, 25720.	1.6	37
48	Full-length genomic characterization and molecular evolution of canine parvovirus in China. <i>Virus Genes</i> , 2016, 52, 411-416.	0.7	16
49	Biological evaluation of N-2-hydroxypropyl trimethyl ammonium chloride chitosan as a carrier for the delivery of live Newcastle disease vaccine. <i>Carbohydrate Polymers</i> , 2016, 149, 28-39.	5.1	44
50	Computationally inexpensive fault tolerant control of uncertain nonlinear systems with non-smooth asymmetric input saturation and undetectable actuation failures. <i>IET Control Theory and Applications</i> , 2016, 10, 1866-1873.	1.2	21
51	A controllable morphology GO/PANI/metal hydroxide composite for supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2016, 777, 75-84.	1.9	56
52	Robust adaptive control of nonlinear systems with asymmetric non-smooth saturation. , 2016, , .		2
53	Effect of Degrees of Substitution on Physicochemical Properties of 2-Hydroxypropyl Trimethyl Ammonium Chloride Chitosan. <i>Science of Advanced Materials</i> , 2016, 8, 1433-1439.	0.1	4
54	Biodegradable Polymeric Nanoparticles as the Delivery Carrier for Drug. <i>Current Drug Delivery</i> , 2016, 13, 494-499.	0.8	51

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55	Synthesis, characterization, and immune efficacy of layered double hydroxide@SiO ₂ nanoparticles with shell-core structure as a delivery carrier for Newcastle disease virus DNA vaccine. <i>International Journal of Nanomedicine</i> , 2015, 10, 2895.	3.3	18
56	O ² -Hydroxypropyltrimethyl ammonium chloride chitosan nanoparticles for the delivery of live Newcastle disease vaccine. <i>Carbohydrate Polymers</i> , 2015, 130, 280-289.	5.1	44
57	Concurrent infections of pseudorabies virus and porcine bocavirus in China detected by duplex nanoPCR. <i>Journal of Virological Methods</i> , 2015, 219, 46-50.	1.0	13
58	Isolation and Characterization of an Endophytic Fungal Strain with Potent Antimicrobial and Termiticidal Activities From Port-Orford-Cedar. <i>Journal of Economic Entomology</i> , 2015, 108, 962-968.	0.8	7
59	Preparation, Characterization and Hypoglycaemic Effects of Orally Delivered Insulin-Loaded PLGA Nanoparticles in Diabetic Rats. <i>Science of Advanced Materials</i> , 2015, 7, 1114-1124.	0.1	1
60	Taxol Produced from Endophytic Fungi Induces Apoptosis in Human Breast, Cervical and Ovarian Cancer Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 125-131.	0.5	23
61	LFG-500 Inhibits the Invasion of Cancer Cells via Down-Regulation of PI3K/AKT/NF- κ B Signaling Pathway. <i>PLoS ONE</i> , 2014, 9, e91332.	1.1	27
62	Wogonin Suppresses Melanoma Cell B16-F10 Invasion and Migration by Inhibiting Ras-Medicated Pathways. <i>PLoS ONE</i> , 2014, 9, e106458.	1.1	30
63	Chitosan-coated poly(lactic-co-glycolic) acid nanoparticles as an efficient delivery system for Newcastle disease virus DNA vaccine. <i>International Journal of Nanomedicine</i> , 2014, 9, 4609.	3.3	62
64	Preparation and efficacy of Newcastle disease virus DNA vaccine encapsulated in chitosan nanoparticles. <i>International Journal of Nanomedicine</i> , 2014, 9, 389.	3.3	66
65	Newcastle disease virus vaccine encapsulated in biodegradable nanoparticles for mucosal delivery of a human vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 2503-2506.	1.4	6
66	Optimization of Preparation and Characterization of the Plasmid DNA from Newcastle Disease Virus Encapsulated in Chitosan Nanoparticles. <i>Advanced Materials Research</i> , 2014, 1042, 19-25.	0.3	0
67	LL202 inhibits lipopolysaccharide-induced angiogenesis in vivo and in vitro. <i>RSC Advances</i> , 2014, 4, 64565-64576.	1.7	5
68	Screening of taxol biosynthesis-related genes in taxol produced from <i>Nodulisporium sylviforme</i> HDF-68 by mRNA differential display. <i>Annals of Microbiology</i> , 2014, 64, 1633-1642.	1.1	3
69	Oroxylin A inhibits ATRA-induced IL-6 expression involved in retinoic acid syndrome by down-regulating CHOP. <i>Gene</i> , 2014, 551, 230-235.	1.0	8
70	Wogonin inhibits LPS-induced tumor angiogenesis via suppressing PI3K/Akt/NF- κ B signaling. <i>European Journal of Pharmacology</i> , 2014, 737, 57-69.	1.7	49
71	Wogonin induces cell cycle arrest and erythroid differentiation in imatinib-resistant K562 cells and primary CML cells. <i>Oncotarget</i> , 2014, 5, 8188-8201.	0.8	34
72	Antimicrobial activity and cytotoxicity of N-2-HACC and characterization of nanoparticles with N-2-HACC and CMC as a vaccine carrier. <i>Chemical Engineering Journal</i> , 2013, 221, 331-341.	6.6	49

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73	Preparation and Optimization of a Live Newcastle Disease Virus Vaccine Encapsulated in Chitosan Nanoparticles. <i>Advanced Materials Research</i> , 2013, 662, 149-152.	0.3	1
74	Preparation and Efficacy of Newcastle Disease Virus DNA Vaccine Encapsulated in PLGA Nanoparticles. <i>PLoS ONE</i> , 2013, 8, e82648.	1.1	47
75	Preparation and Efficacy of a Live Newcastle Disease Virus Vaccine Encapsulated in Chitosan Nanoparticles. <i>PLoS ONE</i> , 2012, 7, e53314.	1.1	90
76	Preparation and characterization of chitosan microsphere loading bovine serum albumin. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 459-464.	0.4	7
77	Recent Advances in Diversity of Symbiotic Microbes in Termite Gut and Termite Control Methods. <i>Ying Yong Yu Huan Jing Sheng Wu Xue Bao = Chinese Journal of Applied and Environmental Biology</i> , 2012, 18, 331.	0.1	0
78	Preparation and immunological effectiveness of a swine influenza DNA vaccine encapsulated in chitosan nanoparticles. <i>Vaccine</i> , 2011, 29, 8549-8556.	1.7	78
79	<i>Bacillus subtilis</i> Subspecies <i>virginiana</i> , a New Subspecies of Antitermitic Compound-Producing Endophytic Bacteria Isolated From <i>Juniperus virginiana</i> . <i>Journal of Economic Entomology</i> , 2011, 104, 1502-1508.	0.8	4
80	Preparation and Characterization of 2-Hydroxypropyltrimethyl Ammonium Chloride Chitosan. <i>Advanced Materials Research</i> , 2011, 183-185, 2216-2220.	0.3	0
81	Preparation and immunological effectiveness of a Swine influenza DNA vaccine encapsulated in PLGA microspheres. <i>Journal of Microencapsulation</i> , 2010, 27, 178-186.	1.2	16
82	<i>Aspergillus niger</i> var. <i>taxi</i> , a new species variant of taxol-producing fungus isolated from <i>Taxus cuspidata</i> in China. <i>Journal of Applied Microbiology</i> , 2009, 107, 1202-1207.	1.4	86
83	Screening and breeding of high taxol producing fungi by genome shuffling. <i>Science in China Series C: Life Sciences</i> , 2008, 51, 222-231.	1.3	37
84	Polyhydroxyalkanoate (PHA) scaffolds with good mechanical properties and biocompatibility. <i>Biomaterials</i> , 2003, 24, 1041-1045.	5.7	287
85	Production of d-(3-hydroxyalkanoic acid by recombinant <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2003, 218, 59-64.	0.7	24
86	Optimization of the NDV-N-2-HACC/CMC Microspheres Preparation. <i>Advanced Materials Research</i> , 0, 804, 85-88.	0.3	0
87	Optimization of Fermentation Conditions for Cellulase Production by <i>HDZK-BYTF620</i> (<i>Aureobasidium pullulans</i>) which is from the Gut of Termites. <i>Applied Mechanics and Materials</i> , 0, 692, 167-171.	0.2	0