

Qiangzhe Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,825
citations

236833

25
h-index

434063

31
g-index

32
all docs

32
docs citations

32
times ranked

4727
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil membrane-coated nanoparticles inhibit synovial inflammation and alleviate joint damage in inflammatory arthritis. <i>Nature Nanotechnology</i> , 2018, 13, 1182-1190.	15.6	600
2	Modulating Antibacterial Immunity via Bacterial Membrane-Coated Nanoparticles. <i>Nano Letters</i> , 2015, 15, 1403-1409.	4.5	382
3	Macrophage-like nanoparticles concurrently absorbing endotoxins and proinflammatory cytokines for sepsis management. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11488-11493.	3.3	364
4	Cellular Nanosponges Inhibit SARS-CoV-2 Infectivity. <i>Nano Letters</i> , 2020, 20, 5570-5574.	4.5	262
5	Nanoparticle-based local antimicrobial drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2018, 127, 46-57.	6.6	248
6	Targeted gene silencing in vivo by platelet membrane-coated metal-organic framework nanoparticles. <i>Science Advances</i> , 2020, 6, eaaz6108.	4.7	208
7	Biomembrane-Modified Field Effect Transistors for Sensitive and Quantitative Detection of Biological Toxins and Pathogens. <i>ACS Nano</i> , 2019, 13, 3714-3722.	7.3	197
8	Hydrogel Containing Nanoparticle-Stabilized Liposomes for Topical Antimicrobial Delivery. <i>ACS Nano</i> , 2014, 8, 2900-2907.	7.3	186
9	Nanoparticle-Hydrogel: A Hybrid Biomaterial System for Localized Drug Delivery. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2049-2061.	1.3	183
10	Hydrogel Retaining Toxin-Absorbing Nanosponges for Local Treatment of Methicillin-Resistant <i>Staphylococcus aureus</i> Infection. <i>Advanced Materials</i> , 2015, 27, 3437-3443.	11.1	114
11	Inhibition of Pathogen Adhesion by Bacterial Outer Membrane-Coated Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11404-11408.	7.2	114
12	Coating Nanoparticles with Gastric Epithelial Cell Membrane for Targeted Antibiotic Delivery against <i>Helicobacter pylori</i> Infection. <i>Advanced Therapeutics</i> , 2018, 1, 1800016.	1.6	110
13	Drug Targeting via Platelet Membrane-Coated Nanoparticles. <i>Small Structures</i> , 2020, 1, 2000018.	6.9	104
14	Emerging Approaches to Functionalizing Cell Membrane-Coated Nanoparticles. <i>Biochemistry</i> , 2021, 60, 941-955.	1.2	96
15	Phospholipase A2-responsive antibiotic delivery via nanoparticle-stabilized liposomes for the treatment of bacterial infection. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8201-8207.	2.9	92
16	Multimodal Enzyme Delivery and Therapy Enabled by Cell Membrane-Coated Metal-Organic Framework Nanoparticles. <i>Nano Letters</i> , 2020, 20, 4051-4058.	4.5	89
17	Coating nanofiber scaffolds with beta cell membrane to promote cell proliferation and function. <i>Nanoscale</i> , 2016, 8, 10364-10370.	2.8	63
18	Multiantigenic Nanotoxoids for Antivirulence Vaccination against Antibiotic-Resistant Gram-Negative Bacteria. <i>Nano Letters</i> , 2019, 19, 4760-4769.	4.5	63

#	ARTICLE	IF	CITATIONS
19	White Blood Cell Membrane-Coated Nanoparticles: Recent Development and Medical Applications. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101349.	3.9	55
20	ACE2 Receptor-Modified Algae-Based Microrobot for Removal of SARS-CoV-2 in Wastewater. <i>Journal of the American Chemical Society</i> , 2021, 143, 12194-12201.	6.6	42
21	Physical Disruption of Solid Tumors by Immunostimulatory Microrobots Enhances Antitumor Immunity. <i>Advanced Materials</i> , 2021, 33, e2103505.	11.1	38
22	Nanomaterial Biointerfacing via Mitochondrial Membrane Coating for Targeted Detoxification and Molecular Detection. <i>Nano Letters</i> , 2021, 21, 2603-2609.	4.5	37
23	CD4 ⁺ T Cell-Mimicking Nanoparticles Broadly Neutralize HIV-1 and Suppress Viral Replication through Autophagy. <i>MBio</i> , 2020, 11, .	1.8	32
24	Lure-and-kill macrophage nanoparticles alleviate the severity of experimental acute pancreatitis. <i>Nature Communications</i> , 2021, 12, 4136.	5.8	32
25	A Biomimetic Nanoparticle to "Lure and Kill" Phospholipase A2. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10461-10465.	7.2	26
26	Cartilage-targeting ultrasmall lipid-polymer hybrid nanoparticles for the prevention of cartilage degradation. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10187.	3.9	22
27	Nanoparticle approaches against SARS-CoV-2 infection. <i>Current Opinion in Solid State and Materials Science</i> , 2021, 25, 100964.	5.6	21
28	Composite Thermoresponsive Hydrogel with Auranofin-Loaded Nanoparticles for Topical Treatment of Vaginal Trichomonad Infection. <i>Advanced Therapeutics</i> , 2019, 2, 1900157.	1.6	19
29	Recent Progress in Capturing and Neutralizing Inflammatory Cytokines. <i>CCS Chemistry</i> , 2020, 2, 376-389.	4.6	16
30	A Biomimetic Nanoparticle to "Lure and Kill" Phospholipase A2. <i>Angewandte Chemie</i> , 2020, 132, 10547-10551.	1.6	6
31	Inhibition of Pathogen Adhesion by Bacterial Outer Membrane-Coated Nanoparticles. <i>Angewandte Chemie</i> , 2019, 131, 11526-11530.	1.6	4
32	Cell membrane-coated nanoparticles and their biomedical applications. , 2021, , .		0