

Liangfang Zhang

List of Publications by Citations

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173
papers

19,844
citations

79
h-index

139
g-index

184
ext. papers

24,313
ext. citations

13.4
avg, IF

7.25
L-index

#	Paper	IF	Citations
173	Erythrocyte membrane-camouflaged polymeric nanoparticles as a biomimetic delivery platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 10980-5	11.5	1267
172	Nanoparticle biointerfacing by platelet membrane cloaking. <i>Nature</i> , 2015 , 526, 118-21	50.4	890
171	Cancer cell membrane-coated nanoparticles for anticancer vaccination and drug delivery. <i>Nano Letters</i> , 2014 , 14, 2181-8	11.5	780
170	Self-assembled lipid-polymer hybrid nanoparticles: a robust drug delivery platform. <i>ACS Nano</i> , 2008 , 2, 1696-702	16.7	721
169	Micro/Nanorobots for Biomedicine: Delivery, Surgery, Sensing, and Detoxification. <i>Science Robotics</i> , 2017 , 2,	18.6	695
168	Cell Membrane Coating Nanotechnology. <i>Advanced Materials</i> , 2018 , 30, e1706759	24	592
167	A biomimetic nanosponge that absorbs pore-forming toxins. <i>Nature Nanotechnology</i> , 2013 , 8, 336-40	28.7	475
166	Artificial micromotors in the mouse's stomach: a step toward in vivo use of synthetic motors. <i>ACS Nano</i> , 2015 , 9, 117-23	16.7	339
165	Neutrophil membrane-coated nanoparticles inhibit synovial inflammation and alleviate joint damage in inflammatory arthritis. <i>Nature Nanotechnology</i> , 2018 , 13, 1182-1190	28.7	339
164	Micromachine-enabled capture and isolation of cancer cells in complex media. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4161-4	16.4	330
163	Cargo-towing fuel-free magnetic nanoswimmers for targeted drug delivery. <i>Small</i> , 2012 , 8, 460-7	11	326
162	Micromotor-enabled active drug delivery for in vivo treatment of stomach infection. <i>Nature Communications</i> , 2017 , 8, 272	17.4	301
161	Monitoring of the central blood pressure waveform via a conformal ultrasonic device. <i>Nature Biomedical Engineering</i> , 2018 , 2, 687-695	19	299
160	Modulating antibacterial immunity via bacterial membrane-coated nanoparticles. <i>Nano Letters</i> , 2015 , 15, 1403-9	11.5	288
159	Erythrocyte-Platelet Hybrid Membrane Coating for Enhanced Nanoparticle Functionalization. <i>Advanced Materials</i> , 2017 , 29, 1606209	24	287
158	Surface functionalization of gold nanoparticles with red blood cell membranes. <i>Advanced Materials</i> , 2013 , 25, 3549-53	24	286
157	Cell membrane-camouflaged nanoparticles for drug delivery. <i>Journal of Controlled Release</i> , 2015 , 220, 600-7	11.7	276

156	Nanoparticulate Delivery of Cancer Cell Membrane Elicits Multiantigenic Antitumor Immunity. <i>Advanced Materials</i> , 2017 , 29, 1703969	24	260
155	Nanoparticle-detained toxins for safe and effective vaccination. <i>Nature Nanotechnology</i> , 2013 , 8, 933-8	28.7	249
154	Cell membrane-derived nanomaterials for biomedical applications. <i>Biomaterials</i> , 2017 , 128, 69-83	15.6	246
153	How to stabilize phospholipid liposomes (using nanoparticles). <i>Nano Letters</i> , 2006 , 6, 694-8	11.5	242
152	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	11.5	218
151	Co-delivery of hydrophobic and hydrophilic drugs from nanoparticle-aptamer bioconjugates. <i>ChemMedChem</i> , 2007 , 2, 1268-71	3.7	215
150	Single Cell Real-Time miRNAs Sensing Based on Nanomotors. <i>ACS Nano</i> , 2015 , 9, 6756-64	16.7	208
149	Interfacial interactions between natural RBC membranes and synthetic polymeric nanoparticles. <i>Nanoscale</i> , 2014 , 6, 2730-7	7.7	207
148	'Marker-of-self' functionalization of nanoscale particles through a top-down cellular membrane coating approach. <i>Nanoscale</i> , 2013 , 5, 2664-8	7.7	202
147	Biofunctionalized targeted nanoparticles for therapeutic applications. <i>Expert Opinion on Biological Therapy</i> , 2008 , 8, 1063-70	5.4	197
146	Erythrocyte-inspired delivery systems. <i>Advanced Healthcare Materials</i> , 2012 , 1, 537-47	10.1	190
145	Bacterial toxin-triggered drug release from gold nanoparticle-stabilized liposomes for the treatment of bacterial infection. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4132-9	16.4	188
144	Lipid-insertion enables targeting functionalization of erythrocyte membrane-cloaked nanoparticles. <i>Nanoscale</i> , 2013 , 5, 8884-8	7.7	182
143	Turning erythrocytes into functional micromotors. <i>ACS Nano</i> , 2014 , 8, 12041-8	16.7	180
142	Biointerfacing and Applications of Cell Membrane-Coated Nanoparticles. <i>Bioconjugate Chemistry</i> , 2017 , 28, 23-32	6.3	174
141	Cell-Membrane-Coated Synthetic Nanomotors for Effective Biotoxification. <i>Advanced Functional Materials</i> , 2015 , 25, 3881-3887	15.6	173
140	Clearance of pathological antibodies using biomimetic nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13481-6	11.5	170
139	Nanoparticle approaches against bacterial infections. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014 , 6, 532-47	9.2	168

138	Hydrogel containing nanoparticle-stabilized liposomes for topical antimicrobial delivery. <i>ACS Nano</i> , 2014 , 8, 2900-7	16.7	162
137	Cellular Nanosponges Inhibit SARS-CoV-2 Infectivity. <i>Nano Letters</i> , 2020 , 20, 5570-5574	11.5	159
136	Enteric Micromotor Can Selectively Position and Spontaneously Propel in the Gastrointestinal Tract. <i>ACS Nano</i> , 2016 , 10, 9536-9542	16.7	158
135	A Gold/Silver Hybrid Nanoparticle for Treatment and Photoacoustic Imaging of Bacterial Infection. <i>ACS Nano</i> , 2018 , 12, 5615-5625	16.7	149
134	Biomembrane-Modified Field Effect Transistors for Sensitive and Quantitative Detection of Biological Toxins and Pathogens. <i>ACS Nano</i> , 2019 , 13, 3714-3722	16.7	147
133	Nanoparticle-based local antimicrobial drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2018 , 127, 46-57	18.5	146
132	Polymeric nanotherapeutics: clinical development and advances in stealth functionalization strategies. <i>Nanoscale</i> , 2014 , 6, 65-75	7.7	141
131	Nanoparticle Functionalization with Platelet Membrane Enables Multifactorial Biological Targeting and Detection of Atherosclerosis. <i>ACS Nano</i> , 2018 , 12, 109-116	16.7	141
130	Safe and Immunocompatible Nanocarriers Cloaked in RBC Membranes for Drug Delivery to Treat Solid Tumors. <i>Theranostics</i> , 2016 , 6, 1004-11	12.1	139
129	Ligand-Modified Cell Membrane Enables the Targeted Delivery of Drug Nanocrystals to Glioma. <i>ACS Nano</i> , 2019 , 13, 5591-5601	16.7	135
128	Erythrocyte membrane-cloaked polymeric nanoparticles for controlled drug loading and release. <i>Nanomedicine</i> , 2013 , 8, 1271-80	5.6	133
127	Active Intracellular Delivery of a Cas9/sgRNA Complex Using Ultrasound-Propelled Nanomotors. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2657-2661	16.4	131
126	Stimuli-responsive liposome fusion mediated by gold nanoparticles. <i>ACS Nano</i> , 2010 , 4, 1935-42	16.7	131
125	Micromotors Spontaneously Neutralize Gastric Acid for pH-Responsive Payload Release. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2156-2161	16.4	126
124	Hybrid biomembrane-functionalized nanorobots for concurrent removal of pathogenic bacteria and toxins. <i>Science Robotics</i> , 2018 , 3,	18.6	125
123	Enzyme-powered Janus platelet cell robots for active and targeted drug delivery. <i>Science Robotics</i> , 2020 , 5,	18.6	119
122	Water-Powered Cell-Mimicking Janus Micromotor. <i>Advanced Functional Materials</i> , 2015 , 25, 7497-7501	15.6	119
121	Nanomotor-Enabled pH-Responsive Intracellular Delivery of Caspase-3: Toward Rapid Cell Apoptosis. <i>ACS Nano</i> , 2017 , 11, 5367-5374	16.7	117

120	Nanoparticles camouflaged in platelet membrane coating as an antibody decoy for the treatment of immune thrombocytopenia. <i>Biomaterials</i> , 2016 , 111, 116-123	15.6	114
119	Nanoparticle-Hydrogel: A Hybrid Biomaterial System for Localized Drug Delivery. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2049-61	4.7	109
118	A facile approach to functionalizing cell membrane-coated nanoparticles with neurotoxin-derived peptide for brain-targeted drug delivery. <i>Journal of Controlled Release</i> , 2017 , 264, 102-111	11.7	109
117	RBC micromotors carrying multiple cargos towards potential theranostic applications. <i>Nanoscale</i> , 2015 , 7, 13680-6	7.7	107
116	T-Cell-Mimicking Nanoparticles Can Neutralize HIV Infectivity. <i>Advanced Materials</i> , 2018 , 30, e1802233	24	106
115	Biomimetic Nanotechnology toward Personalized Vaccines. <i>Advanced Materials</i> , 2020 , 32, e1901255	24	105
114	Biomimetic Micromotor Enables Active Delivery of Antigens for Oral Vaccination. <i>Nano Letters</i> , 2019 , 19, 1914-1921	11.5	103
113	Detoxification of Organophosphate Poisoning Using Nanoparticle Bioscavengers. <i>ACS Nano</i> , 2015 , 9, 6450-8	16.7	102
112	Targeted gene silencing in vivo by platelet membrane-coated metal-organic framework nanoparticles. <i>Science Advances</i> , 2020 , 6, eaaz6108	14.3	101
111	Tissue repair and regeneration with endogenous stem cells. <i>Nature Reviews Materials</i> , 2018 , 3, 174-193	73.3	101
110	Biomimetic Platelet-Camouflaged Nanorobots for Binding and Isolation of Biological Threats. <i>Advanced Materials</i> , 2018 , 30, 1704800	24	99
109	Targeting and isolation of cancer cells using micro/nanomotors. <i>Advanced Drug Delivery Reviews</i> , 2018 , 125, 94-101	18.5	97
108	Engineered Cell-Membrane-Coated Nanoparticles Directly Present Tumor Antigens to Promote Anticancer Immunity. <i>Advanced Materials</i> , 2020 , 32, e2001808	24	95
107	DNA Nanotechnology for Precise Control over Drug Delivery and Gene Therapy. <i>Small</i> , 2016 , 12, 1117-321	11	95
106	Slaved diffusion in phospholipid bilayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9118-21	11.5	94
105	Erythrocyte membrane-coated nanogel for combinatorial antivirulence and responsive antimicrobial delivery against <i>Staphylococcus aureus</i> infection. <i>Journal of Controlled Release</i> , 2017 , 263, 185-191	11.7	93
104	HDL-mimetic PLGA nanoparticle to target atherosclerosis plaque macrophages. <i>Bioconjugate Chemistry</i> , 2015 , 26, 443-51	6.3	92
103	Biomimetic strategies for targeted nanoparticle delivery. <i>Bioengineering and Translational Medicine</i> , 2016 , 1, 30-46	14.8	89

102	Hydrogel Retaining Toxin-Absorbing Nanosponges for Local Treatment of Methicillin-Resistant Staphylococcus aureus Infection. <i>Advanced Materials</i> , 2015 , 27, 3437-43	24	88
101	Micromotors Go In Vivo: From Test Tubes to Live Animals. <i>Advanced Functional Materials</i> , 2018 , 28, 1705640	6.0	86
100	A Bioadhesive Nanoparticle-Hydrogel Hybrid System for Localized Antimicrobial Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18367-74	9.5	85
99	Cell-Like Micromotors. <i>Accounts of Chemical Research</i> , 2018 , 51, 1901-1910	24.3	85
98	Engineered nanoparticles mimicking cell membranes for toxin neutralization. <i>Advanced Drug Delivery Reviews</i> , 2015 , 90, 69-80	18.5	84
97	Nanoparticle-Based Manipulation of Antigen-Presenting Cells for Cancer Immunotherapy. <i>Small</i> , 2015 , 11, 5483-96	11	83
96	Ultra-small lipid-polymer hybrid nanoparticles for tumor-penetrating drug delivery. <i>Nanoscale</i> , 2016 , 8, 14411-9	7.7	79
95	Chemotactic Guidance of Synthetic Organic/Inorganic Payloads Functionalized Sperm Micromotors. <i>Advanced Biology</i> , 2018 , 2, 1700160	3.5	76
94	Lipid diffusion compared in outer and inner leaflets of planar supported bilayers. <i>Journal of Chemical Physics</i> , 2005 , 123, 211104	3.9	74
93	In vivo treatment of Helicobacter pylori infection with liposomal linolenic acid reduces colonization and ameliorates inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17600-5	11.5	73
92	Coating nanoparticles with cell membranes for targeted drug delivery. <i>Journal of Drug Targeting</i> , 2015 , 23, 619-26	5.4	70
91	Nanoparticle-Based Antivirulence Vaccine for the Management of Methicillin-Resistant Skin Infection. <i>Advanced Functional Materials</i> , 2016 , 26, 1628-1635	15.6	70
90	In Situ Capture of Bacterial Toxins for Antivirulence Vaccination. <i>Advanced Materials</i> , 2017 , 29, 1701644	24	67
89	Coating nanoparticles with gastric epithelial cell membrane for targeted antibiotic delivery against infection. <i>Advanced Therapeutics</i> , 2018 , 1, 1800016	4.9	67
88	Micromotor Pills as a Dynamic Oral Delivery Platform. <i>ACS Nano</i> , 2018 , 12, 8397-8405	16.7	65
87	Engineering red-blood-cell-membrane-coated nanoparticles for broad biomedical applications. <i>AIChE Journal</i> , 2015 , 61, 738-746	3.6	65
86	Nanoparticle-Based Modulation of the Immune System. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2016 , 7, 305-26	8.9	64
85	Inhibition of Pathogen Adhesion by Bacterial Outer Membrane-Coated Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11404-11408	16.4	63

84	Broad-Spectrum Neutralization of Pore-Forming Toxins with Human Erythrocyte Membrane-Coated Nanosponges. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701366	10.1	59
83	Biomimetic Nanoemulsions for Oxygen Delivery In Vivo. <i>Advanced Materials</i> , 2018 , 30, e1804693	24	59
82	A Macrophage-Magnesium Hybrid Biomotor: Fabrication and Characterization. <i>Advanced Materials</i> , 2019 , 31, e1901828	24	56
81	Remote Loading of Small-Molecule Therapeutics into Cholesterol-Enriched Cell-Membrane-Derived Vesicles. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14075-14079	16.4	53
80	Effect of drug release kinetics on nanoparticle therapeutic efficacy and toxicity. <i>Nanoscale</i> , 2014 , 6, 2321-2327	7	52
79	Multicompartment Tubular Micromotors Toward Enhanced Localized Active Delivery. <i>Advanced Materials</i> , 2020 , 32, e2000091	24	50
78	Coating nanofiber scaffolds with beta cell membrane to promote cell proliferation and function. <i>Nanoscale</i> , 2016 , 8, 10364-70	7.7	50
77	Biomimetic Nanoparticle Vaccines for Cancer Therapy. <i>Advanced Biology</i> , 2019 , 3, e1800219	3.5	50
76	Synthesis of Nanogels via Cell Membrane-Templated Polymerization. <i>Small</i> , 2015 , 11, 4309-13	11	49
75	Large-scale synthesis of lipid-polymer hybrid nanoparticles using a multi-inlet vortex reactor. <i>Langmuir</i> , 2012 , 28, 13824-9	4	49
74	Nanoparticle-hydrogel superstructures for biomedical applications. <i>Journal of Controlled Release</i> , 2020 , 324, 505-521	11.7	47
73	A Nanomotor-Based Active Delivery System for Intracellular Oxygen Transport. <i>ACS Nano</i> , 2019 , 13, 11996-12006	12	46
72	Drug Targeting Platelet Membrane-Coated Nanoparticles. <i>Small Structures</i> , 2020 , 1, 2000018	8.7	45
71	Biomimetic nanoparticle technology for cardiovascular disease detection and treatment. <i>Nanoscale Horizons</i> , 2020 , 5, 25-42	10.8	45
70	Ultrasound-propelled nanowire motors enhance asparaginase enzymatic activity against cancer cells. <i>Nanoscale</i> , 2017 , 9, 18423-18429	7.7	44
69	Remote-Loaded Platelet Vesicles for Disease-Targeted Delivery of Therapeutics. <i>Advanced Functional Materials</i> , 2018 , 28, 1801032	15.6	43
68	Multimodal Enzyme Delivery and Therapy Enabled by Cell Membrane-Coated Metal-Organic Framework Nanoparticles. <i>Nano Letters</i> , 2020 , 20, 4051-4058	11.5	42
67	A Red Blood Cell Membrane-Camouflaged Nanoparticle Counteracts Streptolysin -Mediated Virulence Phenotypes of Invasive Group A. <i>Frontiers in Pharmacology</i> , 2017 , 8, 477	5.6	42

66	Emerging Approaches to Functionalizing Cell Membrane-Coated Nanoparticles. <i>Biochemistry</i> , 2021 , 60, 941-955	3.2	42
65	Cell-Membrane-Cloaked Oil Nanosponges Enable Dual-Modal Detoxification. <i>ACS Nano</i> , 2019 , 13, 7209-7215	16.5	39
64	Cell Membrane-Coated Nanoparticles As an Emerging Antibacterial Vaccine Platform. <i>Vaccines</i> , 2015 , 3, 814-28	5.3	39
63	Self-Assembled Colloidal Gel Using Cell Membrane-Coated Nanosponges as Building Blocks. <i>ACS Nano</i> , 2017 , 11, 11923-11930	16.7	38
62	Multiantigenic Nanotoxoids for Antivirulence Vaccination against Antibiotic-Resistant Gram-Negative Bacteria. <i>Nano Letters</i> , 2019 , 19, 4760-4769	11.5	37
61	Toxoid Vaccination against Bacterial Infection Using Cell Membrane-Coated Nanoparticles. <i>Bioconjugate Chemistry</i> , 2018 , 29, 604-612	6.3	33
60	Nanoparticle Delivery of Immunostimulatory Agents for Cancer Immunotherapy. <i>Theranostics</i> , 2019 , 9, 7826-7848	12.1	32
59	Genetically engineered cell membrane-coated nanoparticles for targeted delivery of dexamethasone to inflamed lungs. <i>Science Advances</i> , 2021 , 7,	14.3	32
58	Biomimetic Nanosponges Suppress In Vivo Lethality Induced by the Whole Secreted Proteins of Pathogenic Bacteria. <i>Small</i> , 2019 , 15, e1804994	11	32
57	Micromotors for Active Delivery of Minerals toward the Treatment of Iron Deficiency Anemia. <i>Nano Letters</i> , 2019 , 19, 7816-7826	11.5	30
56	Nanomaterials arising amid antibiotic resistance. <i>Nature Reviews Microbiology</i> , 2021 , 19, 5-6	22.2	30
55	Intratumoral immunotherapy using platelet-cloaked nanoparticles enhances antitumor immunity in solid tumors. <i>Nature Communications</i> , 2021 , 12, 1999	17.4	29
54	Auranofin inactivates <i>Trichomonas vaginalis</i> thioredoxin reductase and is effective against trichomonads in vitro and in vivo. <i>International Journal of Antimicrobial Agents</i> , 2016 , 48, 690-694	14.3	25
53	Nanotechnology for virus treatment. <i>Nano Today</i> , 2021 , 36, 101031	17.9	25
52	Biomimetic Virulomics for Capture and Identification of Cell-Type Specific Effector Proteins. <i>ACS Nano</i> , 2017 , 11, 11831-11838	16.7	24
51	Selective cell death of latently HIV-infected CD4 T cells mediated by autosis inducing nanopeptides. <i>Cell Death and Disease</i> , 2019 , 10, 419	9.8	22
50	Nanotoxoid Vaccines. <i>Nano Today</i> , 2014 , 9, 401-404	17.9	22
49	Preparation of particulate polymeric therapeutics for medical applications. <i>Small Methods</i> , 2017 , 1, 1700143	14.8	22

48	Nanofibre optic force transducers with sub-piconewton resolution via near-field plasmon-dielectric interactions. <i>Nature Photonics</i> , 2017 , 11, 352-355	33.9	21
47	Disarming Pore-Forming Toxins with Biomimetic Nanosponges in Intraocular Infections. <i>MSphere</i> , 2019 , 4,	5	20
46	Biomimetic Targeting of Nanoparticles to Immune Cell Subsets via Cognate Antigen Interactions. <i>Molecular Pharmaceutics</i> , 2018 , 15, 3723-3728	5.6	20
45	A Novel Biomimetic Nanosponge Protects the Retina from the Cytolysin. <i>MSphere</i> , 2017 , 2,	5	20
44	CD4 T Cell-Mimicking Nanoparticles Broadly Neutralize HIV-1 and Suppress Viral Replication through Autophagy. <i>MBio</i> , 2020 , 11,	7.8	20
43	Human Platelet Membrane Functionalized Microchips with Plasmonic Codes for Cancer Detection. <i>Advanced Functional Materials</i> , 2019 , 29, 1902669	15.6	19
42	Fabrication and characterization of a 3D bioprinted nanoparticle-hydrogel hybrid device for biomimetic detoxification. <i>Nanoscale</i> , 2017 , 9, 14506-14511	7.7	19
41	Ligand-receptor binding on nanoparticle-stabilized liposome surfaces. <i>Soft Matter</i> , 2007 , 3, 551-553	3.6	18
40	Active Intracellular Delivery of a Cas9/sgRNA Complex Using Ultrasound-Propelled Nanomotors. <i>Angewandte Chemie</i> , 2018 , 130, 2687-2691	3.6	17
39	Zinc Microrocket Pills: Fabrication and Characterization toward Active Oral Delivery. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000900	10.1	17
38	Nanomaterial Biointerfacing via Mitochondrial Membrane Coating for Targeted Detoxification and Molecular Detection. <i>Nano Letters</i> , 2021 , 21, 2603-2609	11.5	17
37	Micromotors Spontaneously Neutralize Gastric Acid for pH-Responsive Payload Release. <i>Angewandte Chemie</i> , 2017 , 129, 2188-2193	3.6	16
36	A Biomimetic Nanoparticle to "Lure and Kill" Phospholipase A2. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10461-10465	16.4	16
35	Erythrocyte-Coated Nanoparticles Block Cytotoxic Effects of Group B β -Hemolysin/Cytolysin. <i>Frontiers in Pediatrics</i> , 2019 , 7, 410	3.4	16
34	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	16.4	15
33	Enhanced anti-tumor immune responses and delay of tumor development in human epidermal growth factor receptor 2 mice immunized with an immunostimulatory peptide in poly(D,L-lactic-co-glycolic) acid nanoparticles. <i>Breast Cancer Research</i> , 2015 , 17, 48	8.3	13
32	Engineering biological interactions on the nanoscale. <i>Current Opinion in Biotechnology</i> , 2019 , 58, 1-8	11.4	13
31	Bacteria-Inspired Nanomedicine. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3830-3848	4.1	13

30	Group A Streptococcal S Protein Utilizes Red Blood Cells as Immune Camouflage and Is a Critical Determinant for Immune Evasion. <i>Cell Reports</i> , 2019 , 29, 2979-2989.e15	10.6	12
29	Cartilage-targeting ultrasmall lipid-polymer hybrid nanoparticles for the prevention of cartilage degradation. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10187	14.8	11
28	Combinatorial nanotherapeutics: rewiring, then killing, cancer cells. <i>Science Signaling</i> , 2014 , 7, pe13	8.8	10
27	Composite thermoresponsive hydrogel with auranofin-loaded nanoparticles for topical treatment of vaginal trichomonad infection. <i>Advanced Therapeutics</i> , 2019 , 2, 1900157	4.9	9
26	Physical Disruption of Solid Tumors by Immunostimulatory Microrobots Enhances Antitumor Immunity. <i>Advanced Materials</i> , 2021 , 33, e2103505	24	9
25	Virus-Mimicking Cell Membrane-Coated Nanoparticles for Cytosolic Delivery of mRNA. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	9
24	Surface Glycan Modification of Cellular Nanosponges to Promote SARS-CoV-2 Inhibition. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17615-17621	16.4	9
23	Biomembrane-Functionalized Micromotors: Biocompatible Active Devices for Diverse Biomedical Applications. <i>Advanced Materials</i> , 2021 , e2107177	24	9
22	Natural display of nuclear-encoded RNA on the cell surface and its impact on cell interaction. <i>Genome Biology</i> , 2020 , 21, 225	18.3	9
21	Lure-and-kill macrophage nanoparticles alleviate the severity of experimental acute pancreatitis. <i>Nature Communications</i> , 2021 , 12, 4136	17.4	9
20	Biomimetic Nanosponges for Treating Antibody-Mediated Autoimmune Diseases. <i>Bioconjugate Chemistry</i> , 2018 , 29, 870-877	6.3	8
19	A Microstirring Pill Enhances Bioavailability of Orally Administered Drugs. <i>Advanced Science</i> , 2021 , 8, 2100389	13.6	8
18	Three-dimensional transistor arrays for intra- and inter-cellular recording.. <i>Nature Nanotechnology</i> , 2021 ,	28.7	8
17	Recent Progress in Capturing and Neutralizing Inflammatory Cytokines. <i>CCS Chemistry</i> , 2020 , 2, 376-389	7.2	7
16	Engineering of stimuli-responsive self-assembled biomimetic nanoparticles. <i>Advanced Drug Delivery Reviews</i> , 2021 , 179, 114006	18.5	7
15	Acute myeloid leukemia cell membrane-coated nanoparticles for cancer vaccination immunotherapy. <i>Leukemia</i> , 2021 ,	10.7	6
14	Nanoparticle approaches against SARS-CoV-2 infection. <i>Current Opinion in Solid State and Materials Science</i> , 2021 , 25, 100964	12	6
13	CD4+ T cell-mimicking nanoparticles encapsulating DIABLO/SMAC mimetics broadly neutralize HIV-1 and selectively kill HIV-1-infected cells. <i>Theranostics</i> , 2021 , 11, 9009-9021	12.1	6

12	White Blood Cell Membrane-Coated Nanoparticles: Recent Development and Medical Applications. <i>Advanced Healthcare Materials</i> , 2021 , e2101349	10.1	6
11	Cellular Nanosponges for Biological Neutralization. <i>Advanced Materials</i> , 2021 , e2107719	24	5
10	Inhibition of Pathogen Adhesion by Bacterial Outer Membrane-Coated Nanoparticles. <i>Angewandte Chemie</i> , 2019 , 131, 11526-11530	3.6	4
9	Nanotoxoids: Biomimetic Nanoparticle Vaccines against Infections. <i>Advanced Therapeutics</i> , 2021 , 4, 2100072	4.9	4
8	Nanodelivery of STING agonists against cancer and infectious diseases. <i>Molecular Aspects of Medicine</i> , 2021 , 101007	16.7	4
7	Virus-Mimicking Cell Membrane-Coated Nanoparticles for Cytosolic Delivery of mRNA. <i>Angewandte Chemie</i> ,	3.6	3
6	Engineered Biomimetic Platelet Membrane-Coated Nanoparticles Block Staphylococcus aureus Cytotoxicity and Protect Against Lethal Systemic Infection. <i>Engineering</i> , 2020 , 7, 1149-1149	9.7	3
5	Gold(I) Phosphine Derivatives with Improved Selectivity as Topically Active Drug Leads to Overcome 5-Nitroheterocyclic Drug Resistance in. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 6608-6620	8.3	3
4	A Biomimetic Nanoparticle to Purre and Kill Phospholipase A2. <i>Angewandte Chemie</i> , 2020 , 132, 10547-10551	5.1	2
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