Weiwei Gao

List of Publications by Year
in descending order

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		57758	91884
71	11,131	44	69
papers	citations	h-index	g-index

72	72	72	11259
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	White Blood Cell Membraneâ€Coated Nanoparticles: Recent Development and Medical Applications. Advanced Healthcare Materials, 2022, 11, e2101349.	7.6	55
2	Virusâ€Mimicking Cell Membraneâ€Coated Nanoparticles for Cytosolic Delivery of mRNA. Angewandte Chemie - International Edition, 2022, 61, .	13.8	62
3	Biomembraneâ€Functionalized Micromotors: Biocompatible Active Devices for Diverse Biomedical Applications. Advanced Materials, 2022, 34, e2107177.	21.0	41
4	Cellular Nanosponges for Biological Neutralization. Advanced Materials, 2022, 34, e2107719.	21.0	39
5	Organotropic Targeting of Biomimetic Nanoparticles to Treat Lung Disease. Bioconjugate Chemistry, 2022, 33, 586-593.	3.6	7
6	Membrane Cholesterol Depletion Enhances Enzymatic Activity of Cellâ€Membraneâ€Coated Metalâ€Organicâ€Framework Nanoparticles. Angewandte Chemie, 2022, 134, .	2.0	2
7	Membrane Cholesterol Depletion Enhances Enzymatic Activity of Cellâ€Membraneâ€Coated Metalâ€Organicâ€Framework Nanoparticles. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
8	Titelbild: Membrane Cholesterol Depletion Enhances Enzymatic Activity of Cellâ€Membraneâ€Coated Metalâ€Organicâ€Framework Nanoparticles (Angew. Chem. 24/2022). Angewandte Chemie, 2022, 134, .	2.0	0
9	Nanomaterials arising amid antibiotic resistance. Nature Reviews Microbiology, 2021, 19, 5-6.	28.6	102
10	<scp>Cartilageâ€targeting ultrasmall lipidâ€polymer</scp> hybrid nanoparticles for the prevention of cartilage degradation. Bioengineering and Translational Medicine, 2021, 6, e10187.	7.1	22
11	Intratumoral immunotherapy using platelet-cloaked nanoparticles enhances antitumor immunity in solid tumors. Nature Communications, 2021, 12, 1999.	12.8	140
12	Nanomaterial Biointerfacing via Mitochondrial Membrane Coating for Targeted Detoxification and Molecular Detection. Nano Letters, 2021, 21, 2603-2609.	9.1	37
13	Genetically engineered cell membraneâ€“coated nanoparticles for targeted delivery of dexamethasone to inflamed lungs. Science Advances, 2021, 7, .	10.3	107
14	ACE2 Receptor-Modified Algae-Based Microrobot for Removal of SARS-CoV-2 in Wastewater. Journal of the American Chemical Society, 2021, 143, 12194-12201.	13.7	42
15	Lure-and-kill macrophage nanoparticles alleviate the severity of experimental acute pancreatitis. Nature Communications, 2021, 12, 4136.	12.8	32
16	Physical Disruption of Solid Tumors by Immunostimulatory Microrobots Enhances Antitumor Immunity. Advanced Materials, 2021, 33, e2103505.	21.0	38
17	Surface Glycan Modification of Cellular Nanosponges to Promote SARS-CoV-2 Inhibition. Journal of the American Chemical Society, 2021, 143, 17615-17621.	13.7	46
18	Nanoparticle approaches against SARS-CoV-2 infection. Current Opinion in Solid State and Materials Science, 2021, 25, 100964.	11.5	21

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19	Cell membrane-coated nanoparticles and their biomedical applications. , 2021, , .		0
20	Drug Targeting via Platelet Membraneâ€“Coated Nanoparticles. Small Structures, 2020, 1, 2000018.	12.0	104
21	Engineered Cellâ€Membraneâ€Coated Nanoparticles Directly Present Tumor Antigens to Promote Anticancer Immunity. Advanced Materials, 2020, 32, e2001808.	21.0	206
22	Cellular Nanosponges Inhibit SARS-CoV-2 Infectivity. Nano Letters, 2020, 20, 5570-5574.	9.1	262
23	A Biomimetic Nanoparticle to â€œLure and Killâ€•Phospholipaseâ€…A2. Angewandte Chemie - International Edition, 2020, 59, 10461-10465.	13.8	26
24	Targeted gene silencing in vivo by platelet membraneâ€“coated metal-organic framework nanoparticles. Science Advances, 2020, 6, eaaz6108.	10.3	208
25	Multimodal Enzyme Delivery and Therapy Enabled by Cell Membrane-Coated Metalâ€“Organic Framework Nanoparticles. Nano Letters, 2020, 20, 4051-4058.	9.1	89
26	A Biomimetic Nanoparticle to â€œLure and Killâ€•Phospholipaseâ€…A2. Angewandte Chemie, 2020, 132, 10547-10551.	2.0	6
27	Recent Progress in Capturing and Neutralizing Inflammatory Cytokines. CCS Chemistry, 2020, 2, 376-389.	7.8	16
28	Cell-Membrane-Cloaked Oil Nanosponges Enable Dual-Modal Detoxification. ACS Nano, 2019, 13, 7209-7215.	14.6	69
29	Inhibition of Pathogen Adhesion by Bacterial Outer Membraneâ€Coated Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 11404-11408.	13.8	114
30	Inhibition of Pathogen Adhesion by Bacterial Outer Membraneâ€Coated Nanoparticles. Angewandte Chemie, 2019, 131, 11526-11530.	2.0	4
31	Multiantigenic Nanotoxoids for Antivirulence Vaccination against Antibiotic-Resistant Gram-Negative Bacteria. Nano Letters, 2019, 19, 4760-4769.	9.1	63
32	Biomimetic Nanosponges Suppress In Vivo Lethality Induced by the Whole Secreted Proteins of Pathogenic Bacteria. Small, 2019, 15, e1804994.	10.0	53
33	Direct 3D Printing of Ultralight Graphene Oxide Aerogel Microlattices. Advanced Functional Materials, 2018, 28, 1707024.	14.9	284
34	Highly stretchable carbon aerogels. Nature Communications, 2018, 9, 881.	12.8	202
35	Cell Membrane Coating Nanotechnology. Advanced Materials, 2018, 30, e1706759.	21.0	1,100
36	Synergistic effect of graphene and carbon nanotube for high-performance electromagnetic interference shielding films. Carbon, 2018, 133, 316-322.	10.3	167

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37	Nanoparticle Functionalization with Platelet Membrane Enables Multifactored Biological Targeting and Detection of Atherosclerosis. ACS Nano, 2018, 12, 109-116.	14.6	222
38	Neutrophil membrane-coated nanoparticles inhibit synovial inflammation and alleviate joint damage in inflammatory arthritis. Nature Nanotechnology, 2018, 13, 1182-1190.	31.5	600
39	A Defectâ€Free Principle for Advanced Graphene Cathode of Aluminumâ€Ion Battery. Advanced Materials, 2017, 29, 1605958.	21.0	280
40	Graphene and Other 2D Colloids: Liquid Crystals and Macroscopic Fibers. Advanced Materials, 2017, 29, 1606794.	21.0	121
41	Highâ€Quality Graphene Microflower Design for Highâ€Performance Liâ€“S and Alâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1700051.	19.5	140
42	Biomimetic Architectured Graphene Aerogel with Exceptional Strength and Resilience. ACS Nano, 2017, 11, 6817-6824.	14.6	297
43	Oxide Film Efficiently Suppresses Dendrite Growth in Aluminum-Ion Battery. ACS Applied Materials & Interfaces, 2017, 9, 22628-22634.	8.0	106
44	Superconducting Continuous Graphene Fibers via Calcium Intercalation. ACS Nano, 2017, 11, 4301-4306.	14.6	47
45	Highly Stretchable Graphene Fibers with Ultrafast Electrothermal Response for Lowâ€Voltage Wearable Heaters. Advanced Electronic Materials, 2017, 3, 1600425.	5.1	128
46	MXene/graphene hybrid fibers for high performance flexible supercapacitors. Journal of Materials Chemistry A, 2017, 5, 22113-22119.	10.3	347
47	Nanoparticulate Delivery of Cancer Cell Membrane Elicits Multiantigenic Antitumor Immunity. Advanced Materials, 2017, 29, 1703969.	21.0	392
48	Macrophage-like nanoparticles concurrently absorbing endotoxins and proinflammatory cytokines for sepsis management. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11488-11493.	7.1	364
49	Hydrothermally Activated Graphene Fiber Fabrics for Textile Electrodes of Supercapacitors. ACS Nano, 2017, 11, 11056-11065.	14.6	110
50	Ion Diffusion-Directed Assembly Approach to Ultrafast Coating of Graphene Oxide Thick Multilayers. ACS Nano, 2017, 11, 9663-9670.	14.6	38
51	Effect of flake size on the mechanical properties of graphene aerogels prepared by freeze casting. RSC Advances, 2017, 7, 33600-33605.	3.6	53
52	Wetâ€Spun Superelastic Graphene Aerogel Millispheres with Group Effect. Advanced Materials, 2017, 29, 1701482.	21.0	141
53	Wrinkle-stabilized metal-graphene hybrid fibers with zero temperature coefficient of resistance. Nanoscale, 2017, 9, 12178-12188.	5.6	17
54	Wood-based straightway channel structure for high performance microwave absorption. Carbon, 2017, 124, 492-498.	10.3	178

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55	Ultrafast all-climate aluminum-graphene battery with quarter-million cycle life. Science Advances, 2017, 3, eaao7233.	10.3	316
56	Large-area potassium-doped highly conductive graphene films for electromagnetic interference shielding. Nanoscale, 2017, 9, 18613-18618.	5.6	57
57	Self-Assembled Colloidal Gel Using Cell Membrane-Coated Nanosponges as Building Blocks. ACS Nano, 2017, 11, 11923-11930.	14.6	59
58	Experimental Guidance to Graphene Macroscopic Wet-Spun Fibers, Continuous Papers, and Ultralightweight Aerogels. Chemistry of Materials, 2017, 29, 319-330.	6.7	43
59	Pressure-induced structural transition of CdxZn1â^'xO alloys. Applied Physics Letters, 2016, 108, .	3.3	10
60	Formation of Nanoscale Composites of Compound Semiconductors Driven by Charge Transfer. Nano Letters, 2016, 16, 5247-5254.	9.1	9
61	Detoxification of Organophosphate Poisoning Using Nanoparticle Bioscavengers. ACS Nano, 2015, 9, 6450-6458.	14.6	134
62	Biomimetic gradient scaffold from ice-templating for self-seeding of cells with capillary effect. Acta Biomaterialia, 2015, 20, 113-119.	8.3	101
63	Nanoparticle biointerfacing by platelet membrane cloaking. Nature, 2015, 526, 118-121.	27.8	1,270
64	Interfacial interactions between natural RBC membranes and synthetic polymeric nanoparticles. Nanoscale, 2014, 6, 2730-2737.	5.6	291
65	Room-Temperature Negative Capacitance in a Ferroelectricâ€“Dielectric Superlattice Heterostructure. Nano Letters, 2014, 14, 5814-5819.	9.1	123
66	Cancer Cell Membrane-Coated Nanoparticles for Anticancer Vaccination and Drug Delivery. Nano Letters, 2014, 14, 2181-2188.	9.1	1,091
67	Lipid-insertion enables targeting functionalization of erythrocyte membrane-cloaked nanoparticles. Nanoscale, 2013, 5, 8884.	5.6	231
68	Origin of Different Growth Modes for Epitaxial Manganite Films. Journal of the American Ceramic Society, 2013, 96, 1660-1665.	3.8	11
69	Physical properties of Cu/La_{0.67}Ba_{0.33}MnO₃/SrTiO₃â€‰:â€‰Nb junctions with ultrathin manganite layers. Journal Physics D: Applied Physics, 2011, 44, 025002.	2.8	3
70	Influence of film thickness on the physical properties of manganite heterojunctions. Journal of Applied Physics, 2011, 109, .	2.5	7
71	Virusâ€Mimicking Cell Membraneâ€Coated Nanoparticles for Cytosolic Delivery of mRNA. Angewandte Chemie, 0, , .	2.0	12