

# Weiwei Gao

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

7,036

citations

36

h-index

72

g-index

72

ext. papers

9,033

ext. citations

13.7

avg, IF

6.25

L-index

#	Paper	IF	Citations
67	Nanoparticle biointerfacing by platelet membrane cloaking. <i>Nature</i> , <b>2015</b> , 526, 118-21	50.4	890
66	Cancer cell membrane-coated nanoparticles for anticancer vaccination and drug delivery. <i>Nano Letters</i> , <b>2014</b> , 14, 2181-8	11.5	780
65	Cell Membrane Coating Nanotechnology. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706759	24	592
64	Neutrophil membrane-coated nanoparticles inhibit synovial inflammation and alleviate joint damage in inflammatory arthritis. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 1182-1190	28.7	339
63	Nanoparticulate Delivery of Cancer Cell Membrane Elicits Multiantigenic Antitumor Immunity. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703969	24	260
62	Ultrafast all-climate aluminum-graphene battery with quarter-million cycle life. <i>Science Advances</i> , <b>2017</b> , 3, eaao7233	14.3	230
61	A Defect-Free Principle for Advanced Graphene Cathode of Aluminum-Ion Battery. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605958	24	228
60	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> , <b>2017</b> , 114, 11488-11493	11.5	218
59	Biomimetic Architected Graphene Aerogel with Exceptional Strength and Resilience. <i>ACS Nano</i> , <b>2017</b> , 11, 6817-6824	16.7	214
58	MXene/graphene hybrid fibers for high performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22113-22119	13	212
57	Interfacial interactions between natural RBC membranes and synthetic polymeric nanoparticles. <i>Nanoscale</i> , <b>2014</b> , 6, 2730-7	7.7	207
56	Direct 3D Printing of Ultralight Graphene Oxide Aerogel Microlattices. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707024	15.6	198
55	Lipid-insertion enables targeting functionalization of erythrocyte membrane-cloaked nanoparticles. <i>Nanoscale</i> , <b>2013</b> , 5, 8884-8	7.7	182
54	Cellular Nanosponges Inhibit SARS-CoV-2 Infectivity. <i>Nano Letters</i> , <b>2020</b> , 20, 5570-5574	11.5	159
53	Nanoparticle Functionalization with Platelet Membrane Enables Multifactorial Biological Targeting and Detection of Atherosclerosis. <i>ACS Nano</i> , <b>2018</b> , 12, 109-116	16.7	141
52	Highly stretchable carbon aerogels. <i>Nature Communications</i> , <b>2018</b> , 9, 881	17.4	136
51	Wood-based straightway channel structure for high performance microwave absorption. <i>Carbon</i> , <b>2017</b> , 124, 492-498	10.4	133

50	Synergistic effect of graphene and carbon nanotube for high-performance electromagnetic interference shielding films. <i>Carbon</i> , <b>2018</b> , 133, 316-322	10.4	120
49	High-Quality Graphene Microflower Design for High-Performance LiB and Al-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700051	21.8	117
48	Room-temperature negative capacitance in a ferroelectric-dielectric superlattice heterostructure. <i>Nano Letters</i> , <b>2014</b> , 14, 5814-9	11.5	105
47	Detoxification of Organophosphate Poisoning Using Nanoparticle Bioscavengers. <i>ACS Nano</i> , <b>2015</b> , 9, 6450-8	16.7	102
46	Graphene and Other 2D Colloids: Liquid Crystals and Macroscopic Fibers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606794	24	101
45	Targeted gene silencing in vivo by platelet membrane-coated metal-organic framework nanoparticles. <i>Science Advances</i> , <b>2020</b> , 6, eaaz6108	14.3	101
44	Wet-Spun Superelastic Graphene Aerogel Millispheres with Group Effect. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701482	24	99
43	Engineered Cell-Membrane-Coated Nanoparticles Directly Present Tumor Antigens to Promote Anticancer Immunity. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001808	24	95
42	Highly Stretchable Graphene Fibers with Ultrafast Electrothermal Response for Low-Voltage Wearable Heaters. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600425	6.4	94
41	Hydrothermally Activated Graphene Fiber Fabrics for Textile Electrodes of Supercapacitors. <i>ACS Nano</i> , <b>2017</b> , 11, 11056-11065	16.7	87
40	Biomimetic gradient scaffold from ice-templating for self-seeding of cells with capillary effect. <i>Acta Biomaterialia</i> , <b>2015</b> , 20, 113-119	10.8	75
39	Oxide Film Efficiently Suppresses Dendrite Growth in Aluminum-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22628-22634	9.5	72
38	Inhibition of Pathogen Adhesion by Bacterial Outer Membrane-Coated Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11404-11408	16.4	63
37	Drug Targeting Platelet Membrane-Coated Nanoparticles. <i>Small Structures</i> , <b>2020</b> , 1, 2000018	8.7	45
36	Multimodal Enzyme Delivery and Therapy Enabled by Cell Membrane-Coated Metal-Organic Framework Nanoparticles. <i>Nano Letters</i> , <b>2020</b> , 20, 4051-4058	11.5	42
35	Large-area potassium-doped highly conductive graphene films for electromagnetic interference shielding. <i>Nanoscale</i> , <b>2017</b> , 9, 18613-18618	7.7	41
34	Cell-Membrane-Cloaked Oil Nanosponges Enable Dual-Modal Detoxification. <i>ACS Nano</i> , <b>2019</b> , 13, 7209-7215	12.5	39
33	Self-Assembled Colloidal Gel Using Cell Membrane-Coated Nanosponges as Building Blocks. <i>ACS Nano</i> , <b>2017</b> , 11, 11923-11930	16.7	38

32	Multiantigenic Nanotoxoids for Antivirulence Vaccination against Antibiotic-Resistant Gram-Negative Bacteria. <i>Nano Letters</i> , <b>2019</b> , 19, 4760-4769	11.5	37
31	Effect of flake size on the mechanical properties of graphene aerogels prepared by freeze casting. <i>RSC Advances</i> , <b>2017</b> , 7, 33600-33605	3.7	36
30	Experimental Guidance to Graphene Macroscopic Wet-Spun Fibers, Continuous Papers, and Ultralightweight Aerogels. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 319-330	9.6	36
29	Superconducting Continuous Graphene Fibers via Calcium Intercalation. <i>ACS Nano</i> , <b>2017</b> , 11, 4301-4306	16.7	35
28	Genetically engineered cell membrane-coated nanoparticles for targeted delivery of dexamethasone to inflamed lungs. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	32
27	Biomimetic Nanosponges Suppress In Vivo Lethality Induced by the Whole Secreted Proteins of Pathogenic Bacteria. <i>Small</i> , <b>2019</b> , 15, e1804994	11	32
26	Nanomaterials arising amid antibiotic resistance. <i>Nature Reviews Microbiology</i> , <b>2021</b> , 19, 5-6	22.2	30
25	Intratumoral immunotherapy using platelet-cloaked nanoparticles enhances antitumor immunity in solid tumors. <i>Nature Communications</i> , <b>2021</b> , 12, 1999	17.4	29
24	Ion Diffusion-Directed Assembly Approach to Ultrafast Coating of Graphene Oxide Thick Multilayers. <i>ACS Nano</i> , <b>2017</b> , 11, 9663-9670	16.7	23
23	Nanomaterial Biointerfacing via Mitochondrial Membrane Coating for Targeted Detoxification and Molecular Detection. <i>Nano Letters</i> , <b>2021</b> , 21, 2603-2609	11.5	17
22	A Biomimetic Nanoparticle to "Lure and Kill" Phospholipase A2. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10461-10465	16.4	16
21	ACE2 Receptor-Modified Algae-Based Microrobot for Removal of SARS-CoV-2 in Wastewater. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 12194-12201	16.4	15
20	Wrinkle-stabilized metal-graphene hybrid fibers with zero temperature coefficient of resistance. <i>Nanoscale</i> , <b>2017</b> , 9, 12178-12188	7.7	13
19	Origin of Different Growth Modes for Epitaxial Manganite Films. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1660-1665	3.8	11
18	Cartilage-targeting ultrasmall lipid-polymer hybrid nanoparticles for the prevention of cartilage degradation. <i>Bioengineering and Translational Medicine</i> , <b>2021</b> , 6, e10187	14.8	11
17	Physical Disruption of Solid Tumors by Immunostimulatory Microrobots Enhances Antitumor Immunity. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103505	24	9
16	Virus-Mimicking Cell Membrane-Coated Nanoparticles for Cytosolic Delivery of mRNA. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	9
15	Surface Glycan Modification of Cellular Nanosponges to Promote SARS-CoV-2 Inhibition. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17615-17621	16.4	9

14	Biomembrane-Functionalized Micromotors: Biocompatible Active Devices for Diverse Biomedical Applications. <i>Advanced Materials</i> , <b>2021</b> , e2107177	24	9
13	Pressure-induced structural transition of Cd <sub>x</sub> Zn <sub>1-x</sub> O alloys. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 152105	3.4	9
12	Formation of Nanoscale Composites of Compound Semiconductors Driven by Charge Transfer. <i>Nano Letters</i> , <b>2016</b> , 16, 5247-54	11.5	9
11	Lure-and-kill macrophage nanoparticles alleviate the severity of experimental acute pancreatitis. <i>Nature Communications</i> , <b>2021</b> , 12, 4136	17.4	9
10	Influence of film thickness on the physical properties of manganite heterojunctions. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 023909	2.5	7
9	Recent Progress in Capturing and Neutralizing Inflammatory Cytokines. <i>CCS Chemistry</i> , <b>2020</b> , 2, 376-389	7.2	7
8	Nanoparticle approaches against SARS-CoV-2 infection. <i>Current Opinion in Solid State and Materials Science</i> , <b>2021</b> , 25, 100964	12	6
7	White Blood Cell Membrane-Coated Nanoparticles: Recent Development and Medical Applications. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2101349	10.1	6
6	Cellular Nanosponges for Biological Neutralization. <i>Advanced Materials</i> , <b>2021</b> , e2107719	24	5
5	Inhibition of Pathogen Adhesion by Bacterial Outer Membrane-Coated Nanoparticles. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11526-11530	3.6	4
4	Physical properties of Cu/La <sub>0.67</sub> Ba <sub>0.33</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> : Nb junctions with ultrathin manganite layers. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 025002	3	3
3	Virus-Mimicking Cell Membrane-Coated Nanoparticles for Cytosolic Delivery of mRNA. <i>Angewandte Chemie</i> ,	3.6	3
2	A Biomimetic Nanoparticle to Lure and Kill Phospholipase A <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2020</b> , 132, 10547-10551	3.5	2
1	Cell membrane-coated nanoparticles and their biomedical applications <b>2021</b> ,		