

# Qing-Fang Guan

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

4,602  
citations

279798

23  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

6490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Edible, Ultrastrong, and Microplastic-Free Bacterial Cellulose-Based Straws by Biosynthesis. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	42
2	Sustainable Multiscale High-Haze Transparent Cellulose Fiber Film via a Biomimetic Approach. , 2022, 4, 87-92.		32
3	Nacre-Inspired Nanocomposite Films with Enhanced Mechanical and Barrier Properties by Self-Assembly of Poly(Lactic Acid) Coated Mica Nanosheets. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	48
4	Growing Bacterial Cellulose-Based Sustainable Functional Bulk Nanocomposites by Biosynthesis: Recent Advances and Perspectives. <i>Accounts of Materials Research</i> , 2022, 3, 608-619.	11.7	7
5	Emerging Bioinspired Artificial Woods. <i>Advanced Materials</i> , 2021, 33, e2001086.	21.0	54
6	Regenerated isotropic wood. <i>National Science Review</i> , 2021, 8, nwaa230.	9.5	55
7	Nacre-Inspired Sustainable Coatings with Remarkable Fire-Retardant and Energy-Saving Cooling Performance. , 2021, 3, 243-248.		33
8	Bio-Inspired Lotus-Fiber-like Spiral Hydrogel Bacterial Cellulose Fibers. <i>Nano Letters</i> , 2021, 21, 952-958.	9.1	97
9	Sustainable Double-Network Structural Materials for Electromagnetic Shielding. <i>Nano Letters</i> , 2021, 21, 2532-2537.	9.1	83
10	Sustainable Cellulose-Nanofiber-Based Hydrogels. <i>ACS Nano</i> , 2021, 15, 7889-7898.	14.6	84
11	Microplastics release from victuals packaging materials during daily usage. <i>EcoMat</i> , 2021, 3, e12107.	11.9	31
12	Biomimetic Design and Mass Production of Sustainable Multiscale Cellulose Fibers-Based Hierarchical Filter Materials for Protective Clothing. <i>Advanced Materials Technologies</i> , 2021, 6, 2100193.	5.8	15
13	Sustainable 3D Structural Binder for High-Performance Supercapacitor by Biosynthesis Process. <i>Advanced Functional Materials</i> , 2021, 31, 2105070.	14.9	32
14	Strengthening and Toughening Hierarchical Nanocellulose <i>via</i> Humidity-Mediated Interface. <i>ACS Nano</i> , 2021, 15, 1310-1320.	14.6	85
15	Plant Cellulose Nanofiber-Derived Structural Material with High-Density Reversible Interaction Networks for Plastic Substitute. <i>Nano Letters</i> , 2021, 21, 8999-9004.	9.1	32
16	Ultra-Strong, Ultra-Tough, Transparent, and Sustainable Nanocomposite Films for Plastic Substitute. <i>Matter</i> , 2020, 3, 1308-1317.	10.0	91
17	An all-natural bioinspired structural material for plastic replacement. <i>Nature Communications</i> , 2020, 11, 5401.	12.8	155
18	Lightweight, tough, and sustainable cellulose nanofiber-derived bulk structural materials with low thermal expansion coefficient. <i>Science Advances</i> , 2020, 6, eaaz1114.	10.3	196

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19	Sustainable Wood-Based Hierarchical Solar Steam Generator: A Biomimetic Design with Reduced Vaporization Enthalpy of Water. <i>Nano Letters</i> , 2020, 20, 5699-5704.	9.1	162
20	A superspreading layering process enabled high performance layered nanocomposites. <i>Science China Chemistry</i> , 2020, 63, 873-874.	8.2	3
21	A general aerosol-assisted biosynthesis of functional bulk nanocomposites. <i>National Science Review</i> , 2019, 6, 64-73.	9.5	44
22	Coupling Microbial Growth with Nanoparticles: A Universal Strategy To Produce Functional Fungal Hyphae Macrospheres. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12693-12701.	8.0	36
23	Supercapacitors: Bacterial-Cellulose-Derived Carbon Nanofiber@MnO <sub>2</sub> and Nitrogen-Doped Carbon Nanofiber Electrode Materials: An Asymmetric Supercapacitor with High Energy and Power Density ( <i>Adv. Mater.</i> 34/2013). <i>Advanced Materials</i> , 2013, 25, 4816-4816.	21.0	3
24	Bacterial-Cellulose-Derived Carbon Nanofiber@MnO <sub>2</sub> and Nitrogen-Doped Carbon Nanofiber Electrode Materials: An Asymmetric Supercapacitor with High Energy and Power Density. <i>Advanced Materials</i> , 2013, 25, 4746-4752.	21.0	590
25	Highly conductive and stretchable conductors fabricated from bacterial cellulose. <i>NPG Asia Materials</i> , 2012, 4, e19-e19.	7.9	217
26	Synthesis of Nitrogen-Doped Porous Carbon Nanofibers as an Efficient Electrode Material for Supercapacitors. <i>ACS Nano</i> , 2012, 6, 7092-7102.	14.6	1,572
27	Macroscopic-Scale Template Synthesis of Robust Carbonaceous Nanofiber Hydrogels and Aerogels and Their Applications. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5101-5105.	13.8	609
28	Highly Active Carbonaceous Nanofibers: A Versatile Scaffold for Constructing Multifunctional Free-Standing Membranes. <i>ACS Nano</i> , 2011, 5, 8148-8161.	14.6	117