

# Xiaoxuan Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

2,562  
citations

218381

26  
h-index

344852

36  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired adhesive microneedle patch with gemcitabine encapsulation for pancreatic cancer treatment. <i>Chemical Engineering Journal</i> , 2022, 431, 133362.	6.6	29
2	Arrowhead Composite Microneedle Patches with Anisotropic Surface Adhesion for Preventing Intrauterine Adhesions. <i>Advanced Science</i> , 2022, 9, e2104883.	5.6	27
3	Polydopamine Decorated Microneedles with Fe <sup>3+</sup> -Derived Nanovesicles Encapsulation for Wound Healing. <i>Advanced Science</i> , 2022, 9, e2103317.	5.6	110
4	Photothermal Responsive Microspheres-Triggered Separable Microneedles for Versatile Drug Delivery. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	27
5	Coordination polymer nanozymes-integrated colorimetric microneedle patches for intelligent wound infection management. <i>Chemical Engineering Journal</i> , 2022, 444, 136640.	6.6	27
6	Bioinspired Vascular Stents with Microfluidic Electrospun Multilayer Coatings for Preventing In-stent Restenosis. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	12
7	Claw-inspired microneedle patches with liquid metal encapsulation for accelerating incisional wound healing. <i>Chemical Engineering Journal</i> , 2021, 406, 126741.	6.6	73
8	Bio-inspired wettability patterns for biomedical applications. <i>Materials Horizons</i> , 2021, 8, 124-144.	6.4	52
9	Tailoring Flexible Arrays for Artificial Cilia Actuators. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000225.	3.3	26
10	Responsive Hydrogel Microcarrier-Integrated Microneedles for Versatile and Controllable Drug Delivery. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002249.	3.9	41
11	Induced cardiomyocytes-integrated conductive microneedle patch for treating myocardial infarction. <i>Chemical Engineering Journal</i> , 2021, 414, 128723.	6.6	38
12	Ultrasound-Responsive Microfluidic Microbubbles for Combination Tumor Treatment. <i>Advanced Therapeutics</i> , 2021, 4, 2100050.	1.6	22
13	Bioinspired pagoda-like microneedle patches with strong fixation and hemostasis capabilities. <i>Chemical Engineering Journal</i> , 2021, 414, 128905.	6.6	59
14	Versatile Ice Microneedles for Transdermal Delivery of Diverse Actives. <i>Advanced Science</i> , 2021, 8, e2101210.	5.6	40
15	Suction Cups-Inspired Adhesive Patch with Tailorable Patterns for Versatile Wound Healing. <i>Advanced Science</i> , 2021, 8, e2100201.	5.6	66
16	Bio-inspired self-replenishing and self-reporting slippery surfaces from colloidal co-assembly templates. <i>Chemical Engineering Journal</i> , 2021, 426, 131641.	6.6	12
17	Magneto-Responsive Microneedle Robots for Intestinal Macromolecule Delivery. <i>Advanced Materials</i> , 2021, 33, e2104932.	11.1	99
18	Bio-Inspired Stretchable, Adhesive, and Conductive Structural Color Film for Visually Flexible Electronics. <i>Advanced Functional Materials</i> , 2020, 30, 2000151.	7.8	153

#	ARTICLE	IF	CITATIONS
19	Bioinspired programmable wettability arrays for droplets manipulation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4527-4532.	3.3	112
20	Antibacterial and angiogenic chitosan microneedle array patch for promoting wound healing. Bioactive Materials, 2020, 5, 253-259.	8.6	255
21	Bioinspired structural color patch with anisotropic surface adhesion. Science Advances, 2020, 6, eaax8258.	4.7	150
22	Black Phosphorus-Loaded Separable Microneedles as Responsive Oxygen Delivery Carriers for Wound Healing. ACS Nano, 2020, 14, 5901-5908.	7.3	215
23	Bio-inspired multiple composite film with anisotropic surface wettability and adhesion for tissue repair. Chemical Engineering Journal, 2020, 398, 125563.	6.6	25
24	Living Bacterial Microneedles for Fungal Infection Treatment. Research, 2020, 2020, 2760594.	2.8	36
25	Bioinspired Adhesive and Antibacterial Microneedles for Versatile Transdermal Drug Delivery. Research, 2020, 2020, 3672120.	2.8	103
26	Smart Microneedles for Therapy and Diagnosis. Research, 2020, 2020, 7462915.	2.8	62
27	Encoded Microneedle Arrays for Detection of Skin Interstitial Fluid Biomarkers. Advanced Materials, 2019, 31, e1902825.	11.1	145
28	Encoded Microneedles: Encoded Microneedle Arrays for Detection of Skin Interstitial Fluid Biomarkers (Adv. Mater. 37/2019). Advanced Materials, 2019, 31, 1970267.	11.1	7
29	Multibioinspired slippery surfaces with wettable bump arrays for droplets pumping. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20863-20868.	3.3	112
30	Flexible Ferrofluids: Design and Applications. Advanced Materials, 2019, 31, e1903497.	11.1	111
31	Bio-inspired clamping microneedle arrays from flexible ferrofluid-configured moldings. Science Bulletin, 2019, 64, 1110-1117.	4.3	98
32	Hollow Colloid Assembled Photonic Crystal Clusters as Suspension Barcodes for Multiplex Bioassays. Small, 2019, 15, e1900056.	5.2	43
33	Conductive Polymer Hydrogel Microfibers from Multiflow Microfluidics. Small, 2019, 15, e1805162.	5.2	59
34	Bio-inspired angle-independent structural color films with anisotropic colloidal crystal array domains. Nano Research, 2019, 12, 1579-1584.	5.8	51
35	Porous Polyvinylidene Fluoride Thin-Film Sensors from Colloidal Crystal Templates. Journal of Nanoscience and Nanotechnology, 2019, 19, 8104-8111.	0.9	5
36	Microfluidic Generation of Microsprings with Ionic Liquid Encapsulation for Flexible Electronics. Research, 2019, 2019, 6906275.	2.8	60