

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	Antibacterial and angiogenic chitosan microneedle array patch for promoting wound healing. <i>Bioactive Materials</i> , 2020, 5, 253-259.	8.6	255
2	Black Phosphorus-Loaded Separable Microneedles as Responsive Oxygen Delivery Carriers for Wound Healing. <i>ACS Nano</i> , 2020, 14, 5901-5908.	7.3	215
3	Bioinspired Stretchable, Adhesive, and Conductive Structural Color Film for Visually Flexible Electronics. <i>Advanced Functional Materials</i> , 2020, 30, 2000151.	7.8	153
4	Bioinspired structural color patch with anisotropic surface adhesion. <i>Science Advances</i> , 2020, 6, eaax8258.	4.7	150
5	Encoded Microneedle Arrays for Detection of Skin Interstitial Fluid Biomarkers. <i>Advanced Materials</i> , 2019, 31, e1902825.	11.1	145
6	Multibioinspired slippery surfaces with wettable bump arrays for droplets pumping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20863-20868.	3.3	112
7	Bioinspired programmable wettability arrays for droplets manipulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4527-4532.	3.3	112
8	Flexible Ferrofluids: Design and Applications. <i>Advanced Materials</i> , 2019, 31, e1903497.	11.1	111
9	Polydopamine Decorated Microneedles with Fe ₃ O ₄ -Derived Nanovesicles Encapsulation for Wound Healing. <i>Advanced Science</i> , 2022, 9, e2103317.	5.6	110
10	Bioinspired Adhesive and Antibacterial Microneedles for Versatile Transdermal Drug Delivery. <i>Research</i> , 2020, 2020, 3672120.	2.8	103
11	Magneto-Responsive Microneedle Robots for Intestinal Macromolecule Delivery. <i>Advanced Materials</i> , 2021, 33, e2104932.	11.1	99
12	Bio-inspired clamping microneedle arrays from flexible ferrofluid-configured moldings. <i>Science Bulletin</i> , 2019, 64, 1110-1117.	4.3	98
13	Claw-inspired microneedle patches with liquid metal encapsulation for accelerating incisional wound healing. <i>Chemical Engineering Journal</i> , 2021, 406, 126741.	6.6	73
14	Suction Cups-Inspired Adhesive Patch with Tailorable Patterns for Versatile Wound Healing. <i>Advanced Science</i> , 2021, 8, e2100201.	5.6	66
15	Smart Microneedles for Therapy and Diagnosis. <i>Research</i> , 2020, 2020, 7462915.	2.8	62
16	Microfluidic Generation of Microsprings with Ionic Liquid Encapsulation for Flexible Electronics. <i>Research</i> , 2019, 2019, 6906275.	2.8	60
17	Conductive Polymer Hydrogel Microfibers from Multiflow Microfluidics. <i>Small</i> , 2019, 15, e1805162.	5.2	59
18	Bioinspired pagoda-like microneedle patches with strong fixation and hemostasis capabilities. <i>Chemical Engineering Journal</i> , 2021, 414, 128905.	6.6	59

#	ARTICLE	IF	CITATIONS
19	Bio-inspired wettability patterns for biomedical applications. <i>Materials Horizons</i> , 2021, 8, 124-144.	6.4	52
20	Bio-inspired angle-independent structural color films with anisotropic colloidal crystal array domains. <i>Nano Research</i> , 2019, 12, 1579-1584.	5.8	51
21	Hollow Colloid Assembled Photonic Crystal Clusters as Suspension Barcodes for Multiplex Bioassays. <i>Small</i> , 2019, 15, e1900056.	5.2	43
22	Responsive Hydrogel Microcarrier-Integrated Microneedles for Versatile and Controllable Drug Delivery. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002249.	3.9	41
23	Versatile Ice Microneedles for Transdermal Delivery of Diverse Actives. <i>Advanced Science</i> , 2021, 8, e2101210.	5.6	40
24	Induced cardiomyocytes-integrated conductive microneedle patch for treating myocardial infarction. <i>Chemical Engineering Journal</i> , 2021, 414, 128723.	6.6	38
25	Living Bacterial Microneedles for Fungal Infection Treatment. <i>Research</i> , 2020, 2020, 2760594.	2.8	36
26	Bioinspired adhesive microneedle patch with gemcitabine encapsulation for pancreatic cancer treatment. <i>Chemical Engineering Journal</i> , 2022, 431, 133362.	6.6	29
27	Arrowhead Composite Microneedle Patches with Anisotropic Surface Adhesion for Preventing Intrauterine Adhesions. <i>Advanced Science</i> , 2022, 9, e2104883.	5.6	27
28	Photothermal Responsive Microspheres-Triggered Separable Microneedles for Versatile Drug Delivery. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	27
29	Coordination polymer nanozymes-integrated colorimetric microneedle patches for intelligent wound infection management. <i>Chemical Engineering Journal</i> , 2022, 444, 136640.	6.6	27
30	Tailoring Flexible Arrays for Artificial Cilia Actuators. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000225.	3.3	26
31	Bio-inspired multiple composite film with anisotropic surface wettability and adhesion for tissue repair. <i>Chemical Engineering Journal</i> , 2020, 398, 125563.	6.6	25
32	Ultrasound-Responsive Microfluidic Microbubbles for Combination Tumor Treatment. <i>Advanced Therapeutics</i> , 2021, 4, 2100050.	1.6	22
33	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
34	Bioinspired Vascular Stents with Microfluidic Electrospun Multilayer Coatings for Preventing In-Stent Restenosis. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	12
35	Encoded Microneedles: Encoded Microneedle Arrays for Detection of Skin Interstitial Fluid Biomarkers (<i>Adv. Mater.</i> 37/2019). <i>Advanced Materials</i> , 2019, 31, 1970267.	11.1	7
36	Porous Polyvinylidene Fluoride Thin-Film Sensors from Colloidal Crystal Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 8104-8111.	0.9	5