

Xiao-Qiao Wang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,666
citations

471061

17
h-index

580395

25
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26
all docs

26
docs citations

26
times ranked

2174
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Contained Monolithic Carbon Sponges for Solar-Driven Interfacial Water Evaporation Distillation and Electricity Generation. <i>Advanced Energy Materials</i> , 2018, 8, 1702149.	10.2	430
2	Direct-Ink-Write 3D Printing of Hydrogels into Biomimetic Soft Robots. <i>ACS Nano</i> , 2019, 13, 13176-13184.	7.3	203
3	Scalable thermoelectric fibers for multifunctional textile-electronics. <i>Nature Communications</i> , 2020, 11, 6006.	5.8	122
4	In-built thermo-mechanical cooperative feedback mechanism for self-propelled multimodal locomotion and electricity generation. <i>Nature Communications</i> , 2018, 9, 3438.	5.8	117
5	Somatosensory, Light-Driven, Thin-Film Robots Capable of Integrated Perception and Motility. <i>Advanced Materials</i> , 2020, 32, e2000351.	11.1	106
6	Hybrid Photothermal Pyroelectric and Thermogalvanic Generator for Multisituation Low Grade Heat Harvesting. <i>Advanced Energy Materials</i> , 2018, 8, 1802397.	10.2	103
7	Robust Mechanochromic Elastic One-Dimensional Photonic Hydrogels for Touch Sensing and Flexible Displays. <i>Advanced Optical Materials</i> , 2014, 2, 652-662.	3.6	83
8	Nanophotonic-Engineered Photothermal Harnessing for Waste Heat Management and Pyroelectric Generation. <i>ACS Nano</i> , 2017, 11, 10568-10574.	7.3	75
9	Tunable Janus colloidal photonic crystal supraballs with dual photonic band gaps. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9431-9438.	2.7	71
10	A Fast Autonomous Healing Magnetic Elastomer for Instantly Recoverable, Modularly Programmable, and Thermorecyclable Soft Robots. <i>Advanced Functional Materials</i> , 2021, 31, 2101825.	7.8	56
11	All-Soft and Stretchable Thermogalvanic Gel Fabric for Antideformity Body Heat Harvesting Wearable. <i>Advanced Energy Materials</i> , 2021, 11, 2102219.	10.2	52
12	Facile access to poly(NMA-co-VCL) hydrogels via long range laser ignited frontal polymerization. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7326.	5.2	50
13	Design of untethered soft material micromachine for life-like locomotion. <i>Materials Today</i> , 2022, 53, 197-216.	8.3	38
14	Multifunctional Hydrogels with Temperature, Ion, and Magnetocaloric Stimuli-Responsive Performances. <i>Macromolecular Rapid Communications</i> , 2016, 37, 759-768.	2.0	36
15	Highly sensitive mechanochromic photonic gel towards fast- responsive fingerprinting. <i>RSC Advances</i> , 2017, 7, 33258-33262.	1.7	29
16	Macromolecule conformational shaping for extreme mechanical programming of polymorphic hydrogel fibers. <i>Nature Communications</i> , 2022, 13, .	5.8	29
17	Ultrafast mechano-responsive photonic hydrogel towards multicolor displays via the pressure sensation. <i>Materials Letters</i> , 2017, 189, 321-324.	1.3	18
18	Spontaneous Atomic Sites Formation in Wurtzite CoO Nanorods for Robust CO ₂ Photoreduction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16

#	ARTICLE	IF	CITATIONS
19	Highly Crystallized Brilliant Polymeric Photonic Crystals via Repulsion-Induced Precipitation Assembly toward Multiresponsive Colorimetric Films. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1363-1373.	1.7	8
20	Increased photocatalytic activity of CuO/TiO ₂ through broadband solar absorption heating under natural sunlight. <i>Procedia Engineering</i> , 2017, 215, 171-179.	1.2	8
21	Carbon Sponges: Self-Contained Monolithic Carbon Sponges for Solar-Driven Interfacial Water Evaporation Distillation and Electricity Generation (<i>Adv. Energy Mater.</i> 16/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870074.	10.2	6
22	Autonomous conveyor gel driven by frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1323-1331.	2.5	3
23	Hydrogels: Robust Mechanochromic Elastic One-Dimensional Photonic Hydrogels for Touch Sensing and Flexible Displays (<i>Advanced Optical Materials</i> 7/2014). <i>Advanced Optical Materials</i> , 2014, 2, 651-651.	3.6	1
24	Dynamic thermal trapping enables cross-species smart nanoparticle swarms. <i>Science Advances</i> , 2021, 7, .	4.7	1