Xiao-Qiao Wang

List of Publications by Year
in descending order

24 papers	1,666 citations	471061 17 h-index	580395 25 g-index
26 all docs	26 docs citations	26 times ranked	2174 citing authors

#	Article	IF	Citations
1	Design of untethered soft material micromachine for life-like locomotion. Materials Today, 2022, 53, 197-216.	8.3	38
2	Spontaneous Atomic Sites Formation in Wurtzite CoO Nanorods for Robust CO₂ Photoreduction. Advanced Functional Materials, 2022, 32, .	7.8	16
3	Macromolecule conformational shaping for extreme mechanical programming of polymorphic hydrogel fibers. Nature Communications, 2022, 13, .	5.8	29
4	A Fast Autonomous Healing Magnetic Elastomer for Instantly Recoverable, Modularly Programmable, and Thermorecyclable Soft Robots. Advanced Functional Materials, 2021, 31, 2101825.	7.8	56
5	Dynamic thermal trapping enables cross-species smart nanoparticle swarms. Science Advances, 2021, 7, .	4.7	1
6	Allâ€Soft and Stretchable Thermogalvanic Gel Fabric for Antideformity Body Heat Harvesting Wearable. Advanced Energy Materials, 2021, 11, 2102219.	10.2	52
7	Scalable thermoelectric fibers for multifunctional textile-electronics. Nature Communications, 2020, 11, 6006.	5.8	122
8	Somatosensory, Lightâ€Driven, Thinâ€Film Robots Capable of Integrated Perception and Motility. Advanced Materials, 2020, 32, e2000351.	11.1	106
9	Direct-Ink-Write 3D Printing of Hydrogels into Biomimetic Soft Robots. ACS Nano, 2019, 13, 13176-13184.	7.3	203
10	Selfâ€Contained Monolithic Carbon Sponges for Solarâ€Driven Interfacial Water Evaporation Distillation and Electricity Generation. Advanced Energy Materials, 2018, 8, 1702149.	10.2	430
11	Hybrid Photothermal Pyroelectric and Thermogalvanic Generator for Multisituation Low Grade Heat Harvesting. Advanced Energy Materials, 2018, 8, 1802397.	10.2	103
12	In-built thermo-mechanical cooperative feedback mechanism for self-propelled multimodal locomotion and electricity generation. Nature Communications, 2018, 9, 3438.	5.8	117
13	Carbon Sponges: Selfâ€Contained Monolithic Carbon Sponges for Solarâ€Driven Interfacial Water Evaporation Distillation and Electricity Generation (Adv. Energy Mater. 16/2018). Advanced Energy Materials, 2018, 8, 1870074.	10.2	6
14	Ultrafast mechano-responsive photonic hydrogel towards multicolor displays via the pressure sensation. Materials Letters, 2017, 189, 321-324.	1.3	18
15	Nanophotonic-Engineered Photothermal Harnessing for Waste Heat Management and Pyroelectric Generation. ACS Nano, 2017, 11, 10568-10574.	7.3	75
16	Highly sensitive mechanochromic photonic gel towards fast- responsive fingerprinting. RSC Advances, 2017, 7, 33258-33262.	1.7	29
17	Increased photocatalytic activity of CuO/TiO 2 through broadband solar absorption heating under natural sunlight. Procedia Engineering, 2017, 215, 171-179.	1.2	8
18	Multifunctional Hydrogels with Temperature, Ion, and Magnetocaloric Stimuliâ€Responsive Performances. Macromolecular Rapid Communications, 2016, 37, 759-768.	2.0	36

#	Article	IF	Citations
19	Autonomous conveyer gel driven by frontal polymerization. Journal of Polymer Science Part A, 2016, 54, 1323-1331.	2.5	3
20	Highly Crystallized Brilliant Polymeric Photonic Crystals via Repulsionâ€Induced Precipitation Assembly toward Multiresponsive Colorimetric Films. Macromolecular Materials and Engineering, 2016, 301, 1363-1373.	1.7	8
21	Hydrogels: Robust Mechanochromic Elastic One-Dimensional Photonic Hydrogels for Touch Sensing and Flexible Displays (Advanced Optical Materials 7/2014). Advanced Optical Materials, 2014, 2, 651-651.	3.6	1
22	Tunable Janus colloidal photonic crystal supraballs with dual photonic band gaps. Journal of Materials Chemistry C, 2014, 2, 9431-9438.	2.7	71
23	Robust Mechanochromic Elastic Oneâ€Dimensional Photonic Hydrogels for Touch Sensing and Flexible Displays. Advanced Optical Materials, 2014, 2, 652-662.	3.6	83
24	Facile access to poly(NMA-co-VCL) hydrogels via long range laser ignited frontal polymerization. Journal of Materials Chemistry A, 2013, 1, 7326.	5.2	50