

Huanjun Li

List of Publications by Year in descending order

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31
papers

1,071
citations

430874

18
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

1622
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature self-healing elastomer-graphene composite conducting wires with superior strength for stretchable electronics. <i>Composites Science and Technology</i> , 2022, 219, 109261.	7.8	15
2	Dual selective sensor for exosomes in serum using magnetic imprinted polymer isolation sandwiched with aptamer/graphene oxide based FRET fluorescent ignition. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114112.	10.1	32
3	Tough Adhesion of Freezing- and Drying-Tolerant Transparent Nanocomposite Organohydrogels. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21822-21830.	8.0	25
4	Soft Untethered Robots and Grippers Based on Humidity-Gated Magnetic-Responsive Film Actuators. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4726-4734.	4.4	10
5	Novel MAPbBr ₃ perovskite/ polymer nanocomposites with luminescence and self-healing properties: In situ fabrication and structure characterization. <i>Optical Materials</i> , 2021, 119, 111405.	3.6	5
6	Tough biomimetic films for harnessing natural evaporation for various self-powered devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19269-19277.	10.3	24
7	Bioinspired Poly(vinyl alcohol) Film Actuator Powered by Water Evaporation under Ambient Conditions. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000145.	3.6	13
8	Tough, self-healable and conductive elastomers based on freezing-thawing strategy. <i>Chemical Engineering Journal</i> , 2020, 402, 125421.	12.7	15
9	Complex multiphase organohydrogels with programmable mechanics toward adaptive soft-matter machines. <i>Science Advances</i> , 2020, 6, eaax1464.	10.3	139
10	Tough and electro-responsive hydrogel actuators with bidirectional bending behavior. <i>Nanoscale</i> , 2019, 11, 2231-2237.	5.6	91
11	Bioinspired nonswellable ultrastrong nanocomposite hydrogels with long-term underwater superoleophobic behavior. <i>Chemical Engineering Journal</i> , 2019, 375, 122047.	12.7	48
12	Large-area superelastic graphene aerogels based on a room-temperature reduction self-assembly strategy for sensing and particulate matter (PM _{2.5} and PM ₁₀) capture. <i>Nanoscale</i> , 2019, 11, 10372-10380.	5.6	22
13	Water-Evaporation-Powered Fast Actuators with Multimodal Motion Based on Robust Nacre-Mimetic Composite Film. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12890-12897.	8.0	29
14	Strong Wet Adhesion of Tough Transparent Nanocomposite Hydrogels for Fast Tunable Focus Lenses. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15071-15078.	8.0	22
15	Highly Stretchable Room-Temperature Self-Healing Conductors Based on Wrinkled Graphene Films for Flexible Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10736-10744.	8.0	62
16	Synergistic toughening of nanocomposite hydrogel based on ultrasmall aluminum hydroxide nanoparticles and hydroxyapatite nanoparticles. <i>Polymer Composites</i> , 2019, 40, 942-951.	4.6	9
17	Rapid room-temperature self-healing conductive nanocomposites based on naturally dried graphene aerogels. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10184-10191.	5.5	11
18	Hierarchically crosslinked ionic nanocomposite hydrogels with ultrahigh mechanical properties for underwater bioinspired capturing device. <i>Composites Science and Technology</i> , 2018, 165, 339-346.	7.8	19

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19	Naturally Dried Graphene-Based Nanocomposite Aerogels with Exceptional Elasticity and High Electrical Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21565-21572.	8.0	36
20	Bio-inspired layered chitosan/graphene oxide nanocomposite hydrogels with high strength and pH-driven shape memory effect. <i>Carbohydrate Polymers</i> , 2017, 177, 116-125.	10.2	95
21	A self-healable and tough nanocomposite hydrogel crosslinked by novel ultrasmall aluminum hydroxide nanoparticles. <i>Nanoscale</i> , 2017, 9, 15470-15476.	5.6	46
22	Graphene oxide based moisture-responsive biomimetic film actuators with nacre-like layered structures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14604-14610.	10.3	69
23	High strength nanocomposite hydrogels with outstanding UV-shielding property. <i>Polymer Composites</i> , 2016, 37, 810-817.	4.6	12
24	Thermosensitive antibacterial Ag nanocomposite hydrogels made by a one-step green synthesis strategy. <i>New Journal of Chemistry</i> , 2016, 40, 6650-6657.	2.8	19
25	Multiple shape memory polymers for self-deployable device. <i>RSC Advances</i> , 2016, 6, 50581-50586.	3.6	15
26	Thermal decomposition and kinetics studies on the poly (2,2-dinitropropyl acrylate) and 2,2-dinitropropyl acrylate-2,2-dinitrobutyl acrylate copolymer. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 419-426.	3.6	8
27	High strength nanocomposite hydrogel bilayer with bidirectional bending and shape switching behaviors for soft actuators. <i>RSC Advances</i> , 2015, 5, 13167-13170.	3.6	44
28	Self-healing elastomer assembly towards three-dimensional shape memory devices. <i>RSC Advances</i> , 2015, 5, 70000-70004.	3.6	16
29	Thermal and water dual-responsive shape memory poly(vinyl alcohol)/Al ₂ O ₃ nanocomposite. <i>RSC Advances</i> , 2015, 5, 91213-91217.	3.6	43
30	Fe ₃ O ₄ -decorated single-walled carbon nanohorns with extraordinary microwave absorption property. <i>RSC Advances</i> , 2015, 5, 75817-75822.	3.6	16
31	Nanocomposite hydrogels with high strength cross-linked by titania. <i>RSC Advances</i> , 2013, 3, 7233.	3.6	61