Kai Hou

List of Publications by Year
in descending order

12	472	840776 11	1199594 12
papers	citations	h-index	g-index

12	12	12	581
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conductive Self-Healing Nanocomposite Hydrogel Skin Sensors with Antifreezing and Thermoresponsive Properties. ACS Applied Materials & Interfaces, 2020, 12, 3068-3079.	8.0	140
2	Nanoparticleâ€“Polymer Synergies in Nanocomposite Hydrogels: From Design to Application. Macromolecular Rapid Communications, 2018, 39, e1800337.	3.9	85
3	Integrated dynamic wet spinning of core-sheath hydrogel fibers for optical-to-brain/tissue communications. National Science Review, 2021, 8, nwaa209.	9.5	36
4	Large Scale Production of Continuous Hydrogel Fibers with Anisotropic Swelling Behavior by Dynamicâ€Crosslinkingâ€Spinning. Macromolecular Rapid Communications, 2016, 37, 1795-1801.	3.9	33
5	Reactive spinning to achieve nanocomposite gel fibers: from monomer to fiber dynamically with enhanced anisotropy. Materials Horizons, 2020, 7, 811-819.	12.2	29
6	A simple inorganic hybrids strategy for graphene fibers fabrication with excellent electrochemical performance. Journal of Power Sources, 2020, 450, 227637.	7.8	29
7	Heterogeneous structured tough conductive gel fibres for stable and high-performance wearable strain sensors. Journal of Materials Chemistry A, 2021, 9, 12265-12275.	10.3	29
8	Tough Gel-Fibers as Strain Sensors Based on Strainâ€“Optics Conversion Induced by Anisotropic Structural Evolution. Chemistry of Materials, 2020, 32, 9675-9687.	6.7	24
9	Ligament-Inspired Tough and Anisotropic Fibrous Gel Belt with Programed Shape Deformations via Dynamic Stretching. ACS Applied Materials & Interfaces, 2021, 13, 19291-19300.	8.0	22
10	Scalable carbon black deposited fabric/hydrogel composites for affordable solar-driven water purification. Journal of Materials Science and Technology, 2022, 106, 10-18.	10.7	22
11	A Novel NIR Laser Switched Nanocomposite Hydrogel as Remote Stimuli Smart Valve. Macromolecular Materials and Engineering, 2017, 302, 1700213.	3.6	16
12	Tough, conductive hydrogels with double-network based on hydrophilic polymer assistant well-dispersed carbon nanotube for innovative force sensor. Science China Technological Sciences, 2022, 65, 1160-1168.	4.0	7