

# Kai Hou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2065193/publications.pdf>

Version: 2024-02-01

12  
papers

472  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

581  
citing authors

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