

Honglie Song

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

760
citations

15
h-index

27
g-index

32
ext. papers

1,058
ext. citations

11.7
avg, IF

4.5
L-index

#	Paper	IF	Citations
31	Mechanically-Guided Structural Designs in Stretchable Inorganic Electronics. <i>Advanced Materials</i> , 2020 , 32, e1902254	24	104
30	Superfast and high-sensitivity printable strain sensors with bioinspired micron-scale cracks. <i>Nanoscale</i> , 2017 , 9, 1166-1173	7.7	74
29	Ultralow-Cost, Highly Sensitive, and Flexible Pressure Sensors Based on Carbon Black and Airlaid Paper for Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33370-33379	9.5	72
28	High-performance flexible strain sensor with bio-inspired crack arrays. <i>Nanoscale</i> , 2018 , 10, 15178-15186	7.7	69
27	Soft three-dimensional network materials with rational bio-mimetic designs. <i>Nature Communications</i> , 2020 , 11, 1180	17.4	57
26	High Performance, Tunable Electrically Small Antennas through Mechanically Guided 3D Assembly. <i>Small</i> , 2019 , 15, e1804055	11	44
25	Electro-mechanically controlled assembly of reconfigurable 3D mesostructures and electronic devices based on dielectric elastomer platforms. <i>National Science Review</i> , 2020 , 7, 342-354	10.8	43
24	One-step method for fabrication of bioinspired hierarchical superhydrophobic surface with robust stability. <i>Applied Surface Science</i> , 2019 , 473, 493-499	6.7	38
23	Artificial Hair-Like Sensors Inspired from Nature: A Review. <i>Journal of Bionic Engineering</i> , 2018 , 15, 409-434	4.4	38
22	Geometrically reconfigurable 3D mesostructures and electromagnetic devices through a rational bottom-up design strategy. <i>Science Advances</i> , 2020 , 6, eabb7417	14.3	33
21	4D Printing Strain Self-Sensing and Temperature Self-Sensing Integrated Sensor-Actuator with Bioinspired Gradient Gaps. <i>Advanced Science</i> , 2020 , 7, 2000584	13.6	29
20	Three-dimensional electronic microfliers inspired by wind-dispersed seeds. <i>Nature</i> , 2021 , 597, 503-510	50.4	28
19	Inverse Design Strategies for 3D Surfaces Formed by Mechanically Guided Assembly. <i>Advanced Materials</i> , 2020 , 32, e1908424	24	19
18	The effect of the micro-structures on the scorpion surface for improving the anti-erosion performance. <i>Surface and Coatings Technology</i> , 2017 , 313, 143-150	4.4	18
17	Highly Efficient Mechanoelectrical Energy Conversion Based on the Near-Tip Stress Field of an Antifracture Slit Observed in Scorpions. <i>Advanced Functional Materials</i> , 2019 , 29, 1807693	15.6	15
16	Highly-integrated, miniaturized, stretchable electronic systems based on stacked multilayer network materials.. <i>Science Advances</i> , 2022 , 8, eabm3785	14.3	15
15	Toward Imperfection-Insensitive Soft Network Materials for Applications in Stretchable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36100-36109	9.5	10

14	Rapidly deployable and morphable 3D mesostructures with applications in multimodal biomedical devices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	10
13	An Anti-Fatigue Design Strategy for 3D Ribbon-Shaped Flexible Electronics. <i>Advanced Materials</i> , 2021 , 33, e2102684	24	9
12	Towards high thermal stability of optical sensing materials with bio-inspired nanostructure. <i>Materials Letters</i> , 2018 , 221, 26-30	3.3	8
11	Vibrational Receptor of Scorpion (<i>Heterometrus petersii</i>): The Basitarsal Compound Slit Sensilla. <i>Journal of Bionic Engineering</i> , 2019 , 16, 76-87	2.7	6
10	Design and Assembly of Reconfigurable 3D Radio-Frequency Antennas Based on Mechanically Triggered Switches. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900256	6.4	6
9	Flexible and highly sensitive pressure sensors based on microcrack arrays inspired by scorpions.. <i>RSC Advances</i> , 2019 , 9, 22740-22748	3.7	6
8	Fine Structure of Scorpion Pectines for Odor Capture. <i>Journal of Bionic Engineering</i> , 2017 , 14, 589-599	2.7	2
7	Mechanoelectrical Energy Conversion: Highly Efficient Mechanoelectrical Energy Conversion Based on the Near-Tip Stress Field of an Antifracture Slit Observed in Scorpions (Adv. Funct. Mater. 22/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970147	15.6	2
6	Passive Particle Jamming Variable Stiffness Material-Based Flexible Capacitive Stress Sensor with High Sensitivity and Large Measurement Limit. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100106	6.8	2
5	Designing superhydrophobic robotic surfaces: Self-cleaning, high-grip impact, and bacterial repelling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 629, 127444	5.1	2
4	Morphable three-dimensional electronic mesoflbers capable of on-demand unfolding. <i>Science China Materials</i> ,1	7.1	1
3	Inverse Design Methods: Inverse Design Strategies for 3D Surfaces Formed by Mechanically Guided Assembly (Adv. Mater. 14/2020). <i>Advanced Materials</i> , 2020 , 32, 2070107	24	
2	Large Curvature Folding Strategies of Butterfly Proboscis. <i>Journal of Bionic Engineering</i> , 2020 , 17, 1239-1250	12.7	
1	A soft gripper with contamination resistance and large friction coefficient. <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, 1	2.6	