Shanshan Yao

List of Publications by Citations

32 papers	2,954 citations	19 h-index	34 g-index
34 ext. papers	3,533 ext. citations	9.1 avg, IF	6 L-index

#	Paper	IF	Citations
32	Wearable multifunctional sensors using printed stretchable conductors made of silver nanowires. *Nanoscale*, **2014**, 6, 2345-52	7.7	748
31	Nanomaterial-enabled stretchable conductors: strategies, materials and devices. *Advanced Materials*, **2015**, 27, 1480-511	24	510
30	Nanomaterial-Enabled Wearable Sensors for Healthcare. *Advanced Healthcare Materials*, **2018**, 7, 1700889	10.1	282
29	Surface-energy-assisted perfect transfer of centimeter-scale monolayer and few-layer MoS□ films onto arbitrary substrates. *ACS Nano*, **2014**, 8, 11522-8	16.7	281
28	Stretch-Triggered Drug Delivery from Wearable Elastomer Films Containing Therapeutic Depots. *ACS Nano*, **2015**, 9, 9407-15	16.7	157
27	A Wearable Hydration Sensor with Conformal Nanowire Electrodes. *Advanced Healthcare Materials*, **2017**, 6, 1601159	10.1	119
26	Low-Power Wearable Systems for Continuous Monitoring of Environment and Health for Chronic Respiratory Disease. *IEEE Journal of Biomedical and Health Informatics*, **2016**, 20, 1251-1264	7.2	113
25	Soft electrothermal actuators using silver nanowire heaters. *Nanoscale*, **2017**, 9, 3797-3805	7.7	108
24	Nanomaterial-Enabled Flexible and Stretchable Sensing Systems: Processing, Integration, and Applications. *Advanced Materials*, **2020**, 32, e1902343	24	106
23	Nanomaterial-Enabled Dry Electrodes for Electrophysiological Sensing: A Review. *Jom*, **2016**, 68, 1145-1155	2.5	85
22	Gas-Permeable, Ultrathin, Stretchable Epidermal Electronics with Porous Electrodes. *ACS Nano*, **2020**, 14, 5798-5805	16.7	74
21	High pyroelectricity in lead-free 0.5Ba(Zr0.2Ti0.8)O3□0.5(Ba0.7Ca0.3)TiO3ceramics. *Journal Physics D: Applied Physics*, **2012**, 45, 195301	3	67
20	Ultrasound-triggered noninvasive regulation of blood glucose levels using microgels integrated with insulin nanocapsules. *Nano Research*, **2017**, 10, 1393-1402	10	55
19	Multifunctional Electronic Textiles Using Silver Nanowire Composites. *ACS Applied Materials & Interfaces*, **2019**, 11, 31028-31037	9.5	55
18	Design and operation of silver nanowire based flexible and stretchable touch sensors. *Journal of Materials Research*, **2015**, 30, 79-85	2.5	39
17	Real-time monitoring of plant stresses via chemiresistive profiling of leaf volatiles by a wearable sensor. *Matter*, **2021**, 4, 2553-2570	12.7	23
16	Controlling the self-folding of a polymer sheet using a local heater: the effect of the polymer-heater interface. *Soft Matter*, **2017**, 13, 3863-3870	3.6	21

List of Publications

15	Buckle-Delamination-Enabled Stretchable Silver Nanowire Conductors. *ACS Applied Materials & Interfaces*, **2020**, 12, 41696-41703	9.5	20
14	Metal Mesh as a Transparent Omnidirectional Strain Sensor. *Advanced Materials Technologies*, **2019**, 4, 1800698	6.8	19
13	A Novel Finger Kinematic Tracking Method Based on Skin-Like Wearable Strain Sensors. *IEEE Sensors Journal*, **2018**, 18, 3010-3015	4	19
12	Electrocardiogram of a Silver Nanowire Based Dry Electrode: Quantitative Comparison With the Standard Ag/AgCl Gel Electrode. *IEEE Access*, **2019**, 7, 20789-20800	3.5	13
11	Evolution of Irradiation-Induced Vacancy Defects in Boron Nitride Nanotubes. *Small*, **2016**, 12, 818-24	11	11
10	Facile Approach to Fabricating Stretchable Organic Transistors with Laser-Patterned Ag Nanowire Electrodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 50675-50683	9.5	10
9	Printed Strain Sensors for On-Skin Electronics. *Small Structures*,2100131	8.7	5
8	Stretchable Conductors: Nanomaterial-Enabled Stretchable Conductors: Strategies, Materials and Devices (Adv. Mater. 9/2015). *Advanced Materials*, **2015**, 27, 1479-1479	24	4
7	Silver nanowire based wearable sensors for multimodal sensing **2016**,		3
6	Ultrasoft Porous 3D Conductive Dry Electrodes for Electrophysiological Sensing and Myoelectric Control. *Advanced Materials Technologies*,2101637	6.8	2
5	Dendrite Growth and Performance of Self-Healing Composite Electrode IPMC Driven by Cu2+. *ACS Omega*, **2022**, 7, 17575-17582	3.9	2
4	Silver nanowire strain sensors for wearable body motion tracking **2015**,		1
3	Spray characteristics of a swirl atomiser in trigger sprayers using water□ethanol mixtures. *Canadian Journal of Chemical Engineering*, **2013**, 91, 1312-1324	2.3	1
2	Formation and characterization of Pt-Cu-IPMC with high specific surface area and dendritic electrode. *Composite Interfaces*,1-13	2.3	1
1	Effect of electrode characteristics on electromyographic activity of the masseter muscle. *Journal of Electromyography and Kinesiology*, **2021**, 56, 102492	2.5	0