Morteza Amjadi

List of Publications by Year
in descending order

26 papers	6,738 citations	516215 16 h-index	752256 20 g-index
27 all docs	27 docs citations	27 times ranked	8158 citing authors

#	Article	IF	Citations
1	Stretchable, Skinâ€Mountable, and Wearable Strain Sensors and Their Potential Applications: A Review. Advanced Functional Materials, 2016, 26, 1678-1698.	7.8	2,340
2	Highly Stretchable and Sensitive Strain Sensor Based on Silver Nanowireâ€“Elastomer Nanocomposite. ACS Nano, 2014, 8, 5154-5163.	7.3	1,957
3	Ultra-stretchable and skin-mountable strain sensors using carbon nanotubesâ€“Ecoflex nanocomposites. Nanotechnology, 2015, 26, 375501.	1.3	646
4	Wearable and Stretchable Strain Sensors: Materials, Sensing Mechanisms, and Applications. Advanced Intelligent Systems, 2020, 2, 2000039.	3.3	327
5	Parallel Microcracks-based Ultrasensitive and Highly Stretchable Strain Sensors. ACS Applied Materials & Interfaces, 2016, 8, 5618-5626.	4.0	267
6	Bioinspired Composite Microfibers for Skin Adhesion and Signal Amplification of Wearable Sensors. Advanced Materials, 2017, 29, 1701353.	11.1	208
7	High-Performance Multiresponsive Paper Actuators. ACS Nano, 2016, 10, 10202-10210.	7.3	184
8	Wearable, Ultrawide-Range, and Bending-Insensitive Pressure Sensor Based on Carbon Nanotube Network-Coated Porous Elastomer Sponges for Human Interface and Healthcare Devices. ACS Applied Materials & Interfaces, 2019, 11, 23639-23648.	4.0	155
9	Recent Advances in Wearable Transdermal Delivery Systems. Advanced Materials, 2018, 30, 1704530.	11.1	151
10	Selfâ€Sensing Paper Actuators Based on Graphiteâ€“Carbon Nanotube Hybrid Films. Advanced Science, 2018, 5, 1800239.	5.6	147
11	Ag@Ni Coreâ€“Shell Nanowire Network for Robust Transparent Electrodes Against Oxidation and Sulfurization. Small, 2014, 10, 4171-4181.	5.2	89
12	Highly stretchable and sensitive strain sensors based on carbon nanotubeâ€“elastomer nanocomposites: the effect of environmental factors on strain sensing performance. Journal of Materials Chemistry C, 2020, 8, 6185-6195.	2.7	60
13	Recent Advances in Skin Penetration Enhancers for Transdermal Gene and Drug Delivery. Current Gene Therapy, 2017, 17, 139-146.	0.9	44
14	Ultraâ€Wide Range Pressure Sensor Based on a Microstructured Conductive Nanocomposite for Wearable Workout Monitoring. Advanced Healthcare Materials, 2021, 10, e2001461.	3.9	33
15	Thin Circular Diamond Membrane with Embedded Nitrogen-Vacancy Centers for Hybrid Spin-Mechanical Quantum Systems. Physical Review Applied, 2016, 6, .	1.5	25
16	A Review of Recent Advances in Electrically Driven Polymerâ€Based Flexible Actuators: Smart Materials, Structures, and Their Applications. Advanced Materials Technologies, 2022, 7, .	3.0	24
17	Computational analysis of metallic nanowire-elastomer nanocomposite based strain sensors. AIP Advances, 2015, 5, 117233.	0.6	16
18	Dynamic thermoelectromechanical characterization of carbon nanotube nanocomposite strain sensors. Sensors and Actuators A: Physical, 2021, 332, 113122.	2.0	13

#	Article	IF	Citations
19	Unidirectional, highly linear strain sensors with thickness-engineered conductive films for precision control of soft machines. Journal of Materials Chemistry A, 2022, 10, 13673-13684.	5.2	13
20	Carbon nanotubes-ecoflex nanocomposite for strain sensing with ultra-high stretchability. , 2015, , .		11
21	Piezoresistivity of AG NWS-PDMS nanocomposite. , 2014, , .		10
22	Flexible and sensitive foot pad for sole distributed force detection. , 2014, , .		6
23	Sensitive and stable strain sensors based on the wavy structured electrodes. , 2014, , .		5
24	Finger motion detection glove toward human-machine interface. , 2015, , .		3
25	Wide Range-Sensitive, Bending-Insensitive Pressure Detection and Application to Wearable Healthcare Device. , 2019, , .		2
26	Microfibers: Bioinspired Composite Microfibers for Skin Adhesion and Signal Amplification of Wearable Sensors (Adv. Mater. 28/2017). Advanced Materials, 2017, 29, .	11.1	0