

Shixuan Yang

List of Publications by Year in descending order

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18
papers

4,061
citations

567281

15
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

7919
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional wearable devices for diagnosis and therapy of movement disorders. Nature Nanotechnology, 2014, 9, 397-404.	31.5	1,246
2	Highly Sensitive Skin-Mountable Strain Gauges Based Entirely on Elastomers. Advanced Functional Materials, 2012, 22, 4044-4050.	14.9	709
3	High-Performance, Highly Bendable MoS ₂ Transistors with High-K Dielectrics for Flexible Low-Power Systems. ACS Nano, 2013, 7, 5446-5452.	14.6	445
4	Flexible Black Phosphorus Ambipolar Transistors, Circuits and AM Demodulator. Nano Letters, 2015, 15, 1883-1890.	9.1	394
5	"Cut-and-Paste" Manufacture of Multiparametric Epidermal Sensor Systems. Advanced Materials, 2015, 27, 6423-6430.	21.0	254
6	Bioresorbable Electronic Stent Integrated with Therapeutic Nanoparticles for Endovascular Diseases. ACS Nano, 2015, 9, 5937-5946.	14.6	203
7	Electromechanical cardioplasty using a wrapped elasto-conductive epicardial mesh. Science Translational Medicine, 2016, 8, 344ra86.	12.4	181
8	Large-Area Monolayer MoS ₂ for Flexible Low-Power RF Nanoelectronics in the GHz Regime. Advanced Materials, 2016, 28, 1818-1823.	21.0	161
9	Stretchability and compliance of freestanding serpentine-shaped ribbons. International Journal of Solids and Structures, 2014, 51, 4026-4037.	2.7	142
10	Gauge Factor and Stretchability of Silicon-on-Polymer Strain Gauges. Sensors, 2013, 13, 8577-8594.	3.8	97
11	Mechanics for stretchable sensors. Current Opinion in Solid State and Materials Science, 2015, 19, 149-159.	11.5	70
12	Indium Tin Oxide (ITO) serpentine ribbons on soft substrates stretched beyond 100%. Extreme Mechanics Letters, 2015, 2, 37-45.	4.1	65
13	Elasticity Solutions to Nonbuckling Serpentine Ribbons. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	2.2	37
14	Stretchability of indium tin oxide (ITO) serpentine thin films supported by Kapton substrates. International Journal of Fracture, 2014, 190, 99-110.	2.2	29
15	Stretchable Tattoo-Like Heater with On-Site Temperature Feedback Control. Micromachines, 2018, 9, 170.	2.9	23
16	Stretchability, Conformability, and Low-Cost Manufacture of Epidermal Sensors. Microsystems and Nanosystems, 2016, , 31-51.	0.1	3
17	Mechanics of flexible electronics and photonics based on inorganic micro- and nanomaterials. , 2014, , .		2
18	"Cut-and-paste" manufacture of multiparametric epidermal electronic systems. Proceedings of SPIE, 2016, , .	0.8	0