

# Ashok Chhetry

## List of Publications by Year in descending order

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25  
papers

1,494  
citations

567281

15  
h-index

940533

16  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-Rich Laser-Induced Hierarchically Interactive MXene Reinforced Carbon Nanofibers for Multifunctional Breathable Bioelectronics. <i>Advanced Functional Materials</i> , 2022, 32, 2107969.	14.9	16
2	MXenes and their composites for flexible electronics. , 2022, , 423-447.		0
3	Phase-Rich Laser-Induced Hierarchically Interactive MXene Reinforced Carbon Nanofibers for Multifunctional Breathable Bioelectronics ( <i>Adv. Funct. Mater.</i> 5/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	0
4	Polyaniline-nanospines engineered nanofibrous membrane based piezoresistive sensor for high-performance electronic skins. <i>Nano Energy</i> , 2022, 95, 106970.	16.0	37
5	Polyaniline-Nanospikes Modified Hybrid Nanofibrous Membrane Based Flexible Piezoresistive Sensor For Physiological Signal Monitoring. , 2022, , .		1
6	On-skin ultrathin and stretchable multifunctional sensor for smart healthcare wearables. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	68
7	Hysteresis-Free Double-Network Hydrogel-Based Strain Sensor for Wearable Smart Bioelectronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 31363-31372.	8.0	29
8	Black Phosphorus@Laser-Engraved Graphene Heterostructure-Based Temperature-Strain Hybridized Sensor for Electronic Skin Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2007661.	14.9	107
9	Electronic Skin: Black Phosphorus@Laser-Engraved Graphene Heterostructure-Based Temperature-Strain Hybridized Sensor for Electronic Skin Applications ( <i>Adv. Funct. Mater.</i> 10/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170068.	14.9	1
10	An Mxene-Edot Nanocomposite Based Strain Sensor Patch for Wireless Human Motion Monitoring. , 2021, , .		0
11	Hydrogen-Bond-Triggered Hybrid Nanofibrous Membrane-Based Wearable Pressure Sensor with Ultrahigh Sensitivity over a Broad Pressure Range. <i>ACS Nano</i> , 2021, 15, 4380-4393.	14.6	155
12	A Hybrid Ionic Nanofibrous Membrane Based Pressure Sensor With Ultra-High Sensitivity Over Broad Pressure Range for Wearable Healthcare Applications. , 2021, , .		2
13	Surface Hydroxylated CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Wrapped Polyurethane Sponge for Highly Sensitive Pressure Sensing Application. , 2020, , .		0
14	Enhanced Sensitivity of Capacitive Pressure and Strain Sensor Based on CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Wrapped Hybrid Sponge for Wearable Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1910020.	14.9	146
15	PAAm/PEDOT:PSS Hydrogel Based Hybrid Sensor for Simultaneous Detection of Pressure and Temperature. , 2020, , .		3
16	Highly Sensitive and Stable Pressure Sensor Based on Polymer-Mxene Composite Nanofiber Mat for Wearable Health Monitoring. , 2020, , .		2
17	Wearable Capacitive Pressure Sensor Based on MXene Composite Nanofibrous Scaffolds for Reliable Human Physiological Signal Acquisition. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22212-22224.	8.0	264
18	Smart bandage with integrated multifunctional sensors based on MXene-functionalized porous graphene scaffold for chronic wound care management. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112637.	10.1	85

#	ARTICLE	IF	CITATIONS
19	Highly Sensitive and Reliable Strain Sensor Based on MoS <sub>2</sub> -Decorated Laser-Scribed Graphene for Wearable Electronics. , 2019, , .		2
20	A laser ablated graphene-based flexible self-powered pressure sensor for human gestures and finger pulse monitoring. Nano Research, 2019, 12, 1789-1795.	10.4	75
21	MoS <sub>2</sub> -Decorated Laser-Induced Graphene for a Highly Sensitive, Hysteresis-free, and Reliable Piezoresistive Strain Sensor. ACS Applied Materials & Interfaces, 2019, 11, 22531-22542.	8.0	120
22	Ultrasensitive Interfacial Capacitive Pressure Sensor Based on a Randomly Distributed Microstructured Iontronic Film for Wearable Applications. ACS Applied Materials & Interfaces, 2019, 11, 3438-3449.	8.0	159
23	A sandpaper-inspired flexible and stretchable resistive sensor for pressure and strain measurement. Organic Electronics, 2018, 62, 581-590.	2.6	24
24	A Flexible Capacitive Pressure Sensor for Wearable Respiration Monitoring System. IEEE Sensors Journal, 2017, , 1-1.	4.7	75
25	A flexible and highly sensitive capacitive pressure sensor based on conductive fibers with a microporous dielectric for wearable electronics. Journal of Materials Chemistry C, 2017, 5, 10068-10076.	5.5	123