

Tingting Yang

List of Publications by Year in descending order

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34
papers

4,425
citations

331670

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395702

33
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36
all docs

36
docs citations

36
times ranked

6483
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical sensors based on two-dimensional materials: Sensing mechanisms, structural designs and wearable applications. <i>IScience</i> , 2022, 25, 103728.	4.1	11
2	Sustainable power generation for at least one month from ambient humidity using unique nanofluidic diode. <i>Nature Communications</i> , 2022, 13, .	12.8	39
3	Patterning of graphene for highly sensitive strain sensing on various curved surfaces. <i>Nano Select</i> , 2021, 2, 121-128.	3.7	2
4	Enhancing the sensitivity of crack-based strain sensor assembled by functionalized graphene for human motion detection. <i>Science China Technological Sciences</i> , 2021, 64, 1805-1813.	4.0	8
5	Accurate Monitoring of Small Strain for Timbre Recognition via Ductile Fragmentation of Functionalized Graphene Multilayers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57352-57361.	8.0	18
6	Asymmetrical layered assemblies of graphene oxide for programmable actuation devices. <i>Smart Materials and Structures</i> , 2020, 29, 115048.	3.5	3
7	PZT Micromachined Piezoelectric Ultrasonic Transducers with Good Coupling to Solids. , 2019, , .		3
8	A Sprayed Graphene Pattern-Based Flexible Strain Sensor with High Sensitivity and Fast Response. <i>Sensors</i> , 2019, 19, 1077.	3.8	22
9	Formation of Uniform Water Microdroplets on Wrinkled Graphene for Ultrafast Humidity Sensing. <i>Small</i> , 2018, 14, e1703848.	10.0	109
10	Graphene-Based Sensors. , 2018, , 157-174.		13
11	Singleâ€Crackâ€Activated Ultrasensitive Impedance Strain Sensor. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800616.	3.7	21
12	Recent advances in wearable tactile sensors: Materials, sensing mechanisms, and device performance. <i>Materials Science and Engineering Reports</i> , 2017, 115, 1-37.	31.8	557
13	Simultaneous High Sensitivity Sensing of Temperature and Humidity with Graphene Woven Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30171-30176.	8.0	122
14	Integration of graphene sensor with electrochromic device on modulus-gradient polymer for instantaneous strain visualization. <i>2D Materials</i> , 2017, 4, 035020.	4.4	19
15	Rapid Liquid Recognition and Quality Inspection with Graphene Test Papers. <i>Global Challenges</i> , 2017, 1, 1700037.	3.6	15
16	Graphene welded carbon nanotube crossbars for biaxial strain sensors. <i>Carbon</i> , 2017, 123, 786-793.	10.3	44
17	A Wearable and Highly Sensitive Graphene Strain Sensor for Precise Home-Based Pulse Wave Monitoring. <i>ACS Sensors</i> , 2017, 2, 967-974.	7.8	260
18	The physics and chemistry of graphene-on-surfaces. <i>Chemical Society Reviews</i> , 2017, 46, 4417-4449.	38.1	309

#	ARTICLE	IF	CITATIONS
19	High Detectivity Graphene-Silicon Heterojunction Photodetector. Small, 2016, 12, 595-601.	10.0	370
20	Graphene Reinforced Carbon Nanotube Networks for Wearable Strain Sensors. Advanced Functional Materials, 2016, 26, 2078-2084.	14.9	328
21	Strain Sensors: Large-Area Ultrathin Graphene Films by Single-Step Marangoni Self-Assembly for Highly Sensitive Strain Sensing Application (Adv. Funct. Mater. 9/2016). Advanced Functional Materials, 2016, 26, 1488-1488.	14.9	2
22	Foldable and electrically stable graphene film resistors prepared by vacuum filtration for flexible electronics. Surface and Coatings Technology, 2016, 299, 22-28.	4.8	25
23	Strain Sensing: Graphene Reinforced Carbon Nanotube Networks for Wearable Strain Sensors (Adv.) Tj ETQq1 1 0.784314 rgBT / Overbo	14.9	3
24	Large-Area Ultrathin Graphene Films by Single-Step Marangoni Self-Assembly for Highly Sensitive Strain Sensing Application. Advanced Functional Materials, 2016, 26, 1322-1329.	14.9	326
25	Structural engineering of gold thin films with channel cracks for ultrasensitive strain sensing. Materials Horizons, 2016, 3, 248-255.	12.2	249
26	Galvanism of continuous ionic liquid flow over graphene grids. Applied Physics Letters, 2015, 107, .	3.3	32
27	Bio-inspired mechanics of highly sensitive stretchable graphene strain sensors. Applied Physics Letters, 2015, 106, .	3.3	33
28	Flow-induced voltage generation in graphene network. Nano Research, 2015, 8, 2467-2473.	10.4	28
29	Ultra-sensitive graphene strain sensor for sound signal acquisition and recognition. Nano Research, 2015, 8, 1627-1636.	10.4	149
30	Tactile Sensing System Based on Arrays of Graphene Woven Microfabrics: Electromechanical Behavior and Electronic Skin Application. ACS Nano, 2015, 9, 10867-10875.	14.6	258
31	Torsion sensors of high sensitivity and wide dynamic range based on a graphene woven structure. Nanoscale, 2014, 6, 13053-13059.	5.6	48
32	Wearable and Highly Sensitive Graphene Strain Sensors for Human Motion Monitoring. Advanced Functional Materials, 2014, 24, 4666-4670.	14.9	923
33	Interconnected graphene/polymer micro-tube piping composites for liquid sensing. Nano Research, 2014, 7, 869-876.	10.4	21
34	Flexible graphene woven fabrics for touch sensing. Applied Physics Letters, 2013, 102, .	3.3	45