

Tingting Yang

List of Publications by Year in descending order

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34
papers

4,425
citations

331259

21
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395343

33
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all docs

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docs citations

36
times ranked

6483
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable and Highly Sensitive Graphene Strain Sensors for Human Motion Monitoring. <i>Advanced Functional Materials</i> , 2014, 24, 4666-4670.	7.8	923
2	Recent advances in wearable tactile sensors: Materials, sensing mechanisms, and device performance. <i>Materials Science and Engineering Reports</i> , 2017, 115, 1-37.	14.8	557
3	High Detectivity Graphene-Silicon Heterojunction Photodetector. <i>Small</i> , 2016, 12, 595-601.	5.2	370
4	Graphene Reinforced Carbon Nanotube Networks for Wearable Strain Sensors. <i>Advanced Functional Materials</i> , 2016, 26, 2078-2084.	7.8	328
5	Large-Area Ultrathin Graphene Films by Single-Step Marangoni Self-Assembly for Highly Sensitive Strain Sensing Application. <i>Advanced Functional Materials</i> , 2016, 26, 1322-1329.	7.8	326
6	The physics and chemistry of graphene-on-surfaces. <i>Chemical Society Reviews</i> , 2017, 46, 4417-4449.	18.7	309
7	A Wearable and Highly Sensitive Graphene Strain Sensor for Precise Home-Based Pulse Wave Monitoring. <i>ACS Sensors</i> , 2017, 2, 967-974.	4.0	260
8	Tactile Sensing System Based on Arrays of Graphene Woven Microfabrics: Electromechanical Behavior and Electronic Skin Application. <i>ACS Nano</i> , 2015, 9, 10867-10875.	7.3	258
9	Structural engineering of gold thin films with channel cracks for ultrasensitive strain sensing. <i>Materials Horizons</i> , 2016, 3, 248-255.	6.4	249
10	Ultra-sensitive graphene strain sensor for sound signal acquisition and recognition. <i>Nano Research</i> , 2015, 8, 1627-1636.	5.8	149
11	Simultaneous High Sensitivity Sensing of Temperature and Humidity with Graphene Woven Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30171-30176.	4.0	122
12	Formation of Uniform Water Microdroplets on Wrinkled Graphene for Ultrafast Humidity Sensing. <i>Small</i> , 2018, 14, e1703848.	5.2	109
13	Torsion sensors of high sensitivity and wide dynamic range based on a graphene woven structure. <i>Nanoscale</i> , 2014, 6, 13053-13059.	2.8	48
14	Flexible graphene woven fabrics for touch sensing. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	45
15	Graphene welded carbon nanotube crossbars for biaxial strain sensors. <i>Carbon</i> , 2017, 123, 786-793.	5.4	44
16	Sustainable power generation for at least one month from ambient humidity using unique nanofluidic diode. <i>Nature Communications</i> , 2022, 13, .	5.8	39
17	Bio-inspired mechanics of highly sensitive stretchable graphene strain sensors. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	33
18	Galvanism of continuous ionic liquid flow over graphene grids. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	32

#	ARTICLE	IF	CITATIONS
19	Flow-induced voltage generation in graphene network. Nano Research, 2015, 8, 2467-2473.	5.8	28
20	Foldable and electrically stable graphene film resistors prepared by vacuum filtration for flexible electronics. Surface and Coatings Technology, 2016, 299, 22-28.	2.2	25
21	A Sprayed Graphene Pattern-Based Flexible Strain Sensor with High Sensitivity and Fast Response. Sensors, 2019, 19, 1077.	2.1	22
22	Interconnected graphene/polymer micro-tube piping composites for liquid sensing. Nano Research, 2014, 7, 869-876.	5.8	21
23	Single-Crack-Activated Ultrasensitive Impedance Strain Sensor. Advanced Materials Interfaces, 2018, 5, 1800616.	1.9	21
24	Integration of graphene sensor with electrochromic device on modulus-gradient polymer for instantaneous strain visualization. 2D Materials, 2017, 4, 035020.	2.0	19
25	Accurate Monitoring of Small Strain for Timbre Recognition via Ductile Fragmentation of Functionalized Graphene Multilayers. ACS Applied Materials & Interfaces, 2020, 12, 57352-57361.	4.0	18
26	Rapid Liquid Recognition and Quality Inspection with Graphene Test Papers. Global Challenges, 2017, 1, 1700037.	1.8	15
27	Graphene-Based Sensors. , 2018, , 157-174.		13
28	Mechanical sensors based on two-dimensional materials: Sensing mechanisms, structural designs and wearable applications. IScience, 2022, 25, 103728.	1.9	11
29	Enhancing the sensitivity of crack-based strain sensor assembled by functionalized graphene for human motion detection. Science China Technological Sciences, 2021, 64, 1805-1813.	2.0	8
30	Strain Sensing: Graphene Reinforced Carbon Nanotube Networks for Wearable Strain Sensors (Adv. Tj ETQqO 0 0 r gBT /Overlock 10 Tf 5	7.8	3
31	PZT Micromachined Piezoelectric Ultrasonic Transducers with Good Coupling to Solids. , 2019, , .		3
32	Asymmetrical layered assemblies of graphene oxide for programmable actuation devices. Smart Materials and Structures, 2020, 29, 115048.	1.8	3
33	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.	7.8	2
34	Patterning of graphene for highly sensitive strain sensing on various curved surfaces. Nano Select, 2021, 2, 121-128.	1.9	2