

# Tingting Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33  
papers

3,437  
citations

19  
h-index

36  
g-index

36  
ext. papers

3,950  
ext. citations

11.1  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
33	Mechanical sensors based on two-dimensional materials: Sensing mechanisms, structural designs and wearable applications.. <i>IScience</i> , <b>2022</b> , 25, 103728	6.1	1
32	Enhancing the sensitivity of crack-based strain sensor assembled by functionalized graphene for human motion detection. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 1805-1813	3.5	1
31	Patterning of graphene for highly sensitive strain sensing on various curved surfaces. <i>Nano Select</i> , <b>2021</b> , 2, 121-128	3.1	1
30	Accurate Monitoring of Small Strain for Timbre Recognition via Ductile Fragmentation of Functionalized Graphene Multilayers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57352-57361	9.5	9
29	Asymmetrical layered assemblies of graphene oxide for programmable actuation devices. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 115048	3.4	1
28	A Sprayed Graphene Pattern-Based Flexible Strain Sensor with High Sensitivity and Fast Response. <i>Sensors</i> , <b>2019</b> , 19,	3.8	11
27	PZT Micromachined Piezoelectric Ultrasonic Transducers with Good Coupling to Solids <b>2019</b> ,		1
26	Formation of Uniform Water Microdroplets on Wrinkled Graphene for Ultrafast Humidity Sensing. <i>Small</i> , <b>2018</b> , 14, e1703848	11	70
25	Graphene-Based Sensors <b>2018</b> , 157-174		10
24	Single-Crack-Activated Ultrasensitive Impedance Strain Sensor. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800616	4.6	12
23	Recent advances in wearable tactile sensors: Materials, sensing mechanisms, and device performance. <i>Materials Science and Engineering Reports</i> , <b>2017</b> , 115, 1-37	30.9	405
22	Simultaneous High Sensitivity Sensing of Temperature and Humidity with Graphene Woven Fabrics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30171-30176	9.5	83
21	Integration of graphene sensor with electrochromic device on modulus-gradient polymer for instantaneous strain visualization. <i>2D Materials</i> , <b>2017</b> , 4, 035020	5.9	17
20	Rapid Liquid Recognition and Quality Inspection with Graphene Test Papers. <i>Global Challenges</i> , <b>2017</b> , 1, 1700037	4.3	12
19	Graphene welded carbon nanotube crossbars for biaxial strain sensors. <i>Carbon</i> , <b>2017</b> , 123, 786-793	10.4	36
18	A Wearable and Highly Sensitive Graphene Strain Sensor for Precise Home-Based Pulse Wave Monitoring. <i>ACS Sensors</i> , <b>2017</b> , 2, 967-974	9.2	194
17	The physics and chemistry of graphene-on-surfaces. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 4417-4449	58.5	247

16	Strain Sensing: Graphene Reinforced Carbon Nanotube Networks for Wearable Strain Sensors (Adv. Funct. Mater. 13/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2038-2038	15.6	2
15	Large-Area Ultrathin Graphene Films by Single-Step Marangoni Self-Assembly for Highly Sensitive Strain Sensing Application. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1322-1329	15.6	270
14	Structural engineering of gold thin films with channel cracks for ultrasensitive strain sensing. <i>Materials Horizons</i> , <b>2016</b> , 3, 248-255	14.4	177
13	High Detectivity Graphene-Silicon Heterojunction Photodetector. <i>Small</i> , <b>2016</b> , 12, 595-601	11	285
12	Graphene Reinforced Carbon Nanotube Networks for Wearable Strain Sensors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2078-2084	15.6	276
11	Strain Sensors: Large-Area Ultrathin Graphene Films by Single-Step Marangoni Self-Assembly for Highly Sensitive Strain Sensing Application (Adv. Funct. Mater. 9/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1488-1488	15.6	1
10	Foldable and electrically stable graphene film resistors prepared by vacuum filtration for flexible electronics. <i>Surface and Coatings Technology</i> , <b>2016</b> , 299, 22-28	4.4	22
9	Tactile Sensing System Based on Arrays of Graphene Woven Microfabrics: Electromechanical Behavior and Electronic Skin Application. <i>ACS Nano</i> , <b>2015</b> , 9, 10867-75	16.7	220
8	Galvanism of continuous ionic liquid flow over graphene grids. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 081605, 4	3.4	28
7	Bio-inspired mechanics of highly sensitive stretchable graphene strain sensors. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 171903	3.4	29
6	Flow-induced voltage generation in graphene network. <i>Nano Research</i> , <b>2015</b> , 8, 2467-2473	10	25
5	Ultra-sensitive graphene strain sensor for sound signal acquisition and recognition. <i>Nano Research</i> , <b>2015</b> , 8, 1627-1636	10	112
4	Wearable and Highly Sensitive Graphene Strain Sensors for Human Motion Monitoring. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4666-4670	15.6	769
3	Interconnected graphene/polymer micro-tube piping composites for liquid sensing. <i>Nano Research</i> , <b>2014</b> , 7, 869-876	10	18
2	Torsion sensors of high sensitivity and wide dynamic range based on a graphene woven structure. <i>Nanoscale</i> , <b>2014</b> , 6, 13053-9	7.7	42
1	Flexible graphene woven fabrics for touch sensing. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 163117	3.4	39