

# Meng-Fang Lin

## List of Publications by Citations

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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.

30  
papers

2,167  
citations

22  
h-index

33  
g-index

33  
ext. papers

2,506  
ext. citations

8.8  
avg, IF

5.15  
L-index

#	Paper	IF	Citations
30	Skin-touch-actuated textile-based triboelectric nanogenerator with black phosphorus for durable biomechanical energy harvesting. <i>Nature Communications</i> , <b>2018</b> , 9, 4280	17.4	270
29	Surface functionalization of BaTiO <sub>3</sub> nanoparticles and improved electrical properties of BaTiO <sub>3</sub> /polyvinylidene fluoride composite. <i>RSC Advances</i> , <b>2011</b> , 1, 576	3.7	166
28	Wearable All-Fabric-Based Triboelectric Generator for Water Energy Harvesting. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1701243	21.8	149
27	Core-shell nanofiber mats for tactile pressure sensor and nanogenerator applications. <i>Nano Energy</i> , <b>2018</b> , 44, 248-255	17.1	142
26	Novel polymer nanocomposites from bioinspired green aqueous functionalization of BNNTs. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 962	4.9	130
25	Green aqueous modification of fluoropolymers for energy storage applications. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 5951		127
24	Deformable conductors for human-machine interface. <i>Materials Today</i> , <b>2018</b> , 21, 508-526	21.8	119
23	Poly(vinylidene fluoride)-graft-poly(2-hydroxyethyl methacrylate): a novel material for high energy density capacitors. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3751		101
22	Dopant induced hollow BaTiO <sub>3</sub> nanostructures for application in high performance capacitors. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 16500		99
21	A Stretchable and Transparent Nanocomposite Nanogenerator for Self-Powered Physiological Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42200-42209	9.5	92
20	Polystyrene grafted polyvinylidene fluoride copolymers with high capacitive performance. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 2000	4.9	85
19	Direct Observation of Indium Conductive Filaments in Transparent, Flexible, and Transferable Resistive Switching Memory. <i>ACS Nano</i> , <b>2017</b> , 11, 1712-1718	16.7	71
18	Stable amorphous In <sub>2</sub> O <sub>3</sub> -based thin-film transistors by incorporating SiO <sub>2</sub> to suppress oxygen vacancies. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 102103	3.4	70
17	Low-temperature processable amorphous In-W-O thin-film transistors with high mobility and stability. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 152103	3.4	67
16	A Deformable and Highly Robust Ethyl Cellulose Transparent Conductor with a Scalable Silver Nanowires Bundle Micromesh. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802803	24	64
15	Accelerated microwave curing of fibre-reinforced thermoset polymer composites for structural applications: A review of scientific challenges. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 115, 88-103	8.4	57
14	Transparent, Flexible Cellulose Nanofibril/Phosphorene Hybrid Paper as Triboelectric Nanogenerator. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700651	4.6	55

13	Highly Transparent Conducting Nanopaper for Solid State Foldable Electrochromic Devices. <i>Small</i> , <b>2016</b> , 12, 6370-6377	11	52
12	Formation of PVDF-g-HEMA/BaTiO <sub>3</sub> nanocomposites via in situ nanoparticle synthesis for high performance capacitor applications. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14455	13	46
11	Dopant selection for control of charge carrier density and mobility in amorphous indium oxide thin-film transistors: Comparison between Si- and W-dopants. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 042106 <sup>3-4</sup>	3-4	45
10	Solution-assembled nanowires for high performance flexible and transparent solar-blind photodetectors. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 596-600	7-1	37
9	Flexible Superamphiphobic Film for Water Energy Harvesting. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1600186	6.8	36
8	A copper-based reversible electrochemical mirror device with switchability between transparent, blue, and mirror states. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6547-6554	7-1	22
7	A semitransparent snake-like tactile and olfactory bionic sensor with reversibly stretchable properties. <i>NPG Asia Materials</i> , <b>2017</b> , 9, e437-e437	10.3	16
6	Photothermal actuated origamis based on graphene oxide-cellulose programmable bilayers. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 730-738	10.8	15
5	Reduction of the interfacial trap density of indium-oxide thin film transistors by incorporation of hafnium and annealing process. <i>AIP Advances</i> , <b>2015</b> , 5, 017116	1.5	11
4	Self-formed copper oxide contact interlayer for high-performance oxide thin film transistors. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 023503	3-4	11
3	Controllable film densification and interface flatness for high-performance amorphous indium oxide based thin film transistors. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 163503	3-4	9
2	Correlation between active layer thickness and ambient gas stability in IGZO thin-film transistors. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 025102	3	3
1	Electromagnetic field controlled domain wall displacement for induced strain tailoring in BaTiO <sub>3</sub> -epoxy nanocomposite.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7504	4.9	0