

# Jianyi Luo

## List of Publications by Year in descending order

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18  
papers

281  
citations

933264

10  
h-index

940416

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Insights into the Hydrogenation Process of Layered $\text{H}_2\text{-MoO}_3$ . ACS Nano, 2016, 10, 1662-1670.	7.3	69
2	Identifying human body states by using a flexible integrated sensor. Npj Flexible Electronics, 2020, 4, .	5.1	37
3	Study of self-heating phenomenon and its resultant effect on ultrafast gasochromic coloration of Pt-WO <sub>3</sub> nanowire films. Sensors and Actuators B: Chemical, 2012, 173, 824-832.	4.0	30
4	Ambipolarity of large-area Pt-functionalized graphene observed in H <sub>2</sub> sensing. Sensors and Actuators B: Chemical, 2014, 190, 134-140.	4.0	20
5	Magnetized Micropillar-Enabled Wearable Sensors for Touchless and Intelligent Information Communication. Nano-Micro Letters, 2021, 13, 197.	14.4	19
6	Controllable two-dimensional movement and redistribution of lithium ions in metal oxides. Nature Communications, 2019, 10, 2888.	5.8	17
7	Unveiling mechanical degradation for a monolithic electrochromic device: Glass/ITO/WO <sub>3</sub> /LiClO <sub>4</sub> (PEO)/TiO <sub>2</sub> /ITO/glass. Electrochimica Acta, 2020, 329, 135182.	2.6	17
8	Flexible Integrated Sensors: Transverse Piezoresistance and Longitudinal Thermal Resistance of One Single Carbon Fiber Beam. Advanced Materials Technologies, 2019, 4, 1900802.	3.0	15
9	Structure evolution of electrochromic devices from "face-to-face" to "shoulder-by-shoulder". Journal of Materials Chemistry C, 2020, 8, 11042-11051.	2.7	12
10	Growth of W <sub>18</sub> O <sub>49</sub> /WO <sub>x</sub> /W dendritic nanostructures by one-step thermal evaporation and their high-performance photocatalytic activities in methyl orange degradation. CrystEngComm, 2019, 21, 5905-5914.	1.3	10
11	Fiber-junction design for directional bending sensors. Npj Flexible Electronics, 2021, 5, .	5.1	10
12	A portable three-channel data collector for Chinese medicine pulses. Sensors and Actuators A: Physical, 2021, 323, 112669.	2.0	7
13	Top-to-bottom optimization of the optical performance of the tandem organic solar cells with thin metal film as interlayer. Applied Physics Letters, 2012, 100, .	1.5	6
14	Metal-seed planting fabrication of W <sub>18</sub> O <sub>49</sub> core shell nanoflowers for gas sensors. RSC Advances, 2017, 7, 29844-29853.	1.7	6
15	Preparation of Nano-Polycrystalline WO <sub>3</sub> Thin Films and Their Solid-State Electrochromic Display Devices. Journal of Nanoscience and Nanotechnology, 2013, 13, 1372-1376.	0.9	5
16	Cascade Amplification Effect for Mechanical Stimuli Sensors by Designing the Current Path Through Carbon Fiber Beams. IEEE Sensors Journal, 2021, 21, 17410-17418.	2.4	1
17	A high sensing fluorescence probe to in situ study the microstructural changes of tungsten oxide nanowires induced by thermal effect. Applied Physics Letters, 2017, 110, 253106.	1.5	0
18	Waterproof, anti-impacted and ultrathin carbon-based air pressure sensors toward aerodynamic tests on high-speed trains. Advanced Engineering Materials, 0, , .	1.6	0