

# Shuwen Jiang

## List of Publications by Year in descending order

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19  
papers

319  
citations

933447

10  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

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times ranked

262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrawide Sensing Range and Highly Sensitive Flexible Pressure Sensor Based on a Percolative Thin Film with a Knoll-like Microstructured Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20500-20508.	8.0	45
2	Screen-printed flexible negative temperature coefficient temperature sensor based on polyvinyl chloride/carbon black composites. <i>Smart Materials and Structures</i> , 2021, 30, 025035.	3.5	32
3	YSZ/Al <sub>2</sub> O <sub>3</sub> multilayered film as insulating layer for high temperature thin film strain gauge prepared on Ni-based superalloy. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 272-277.	4.1	31
4	High temperature static and dynamic strain response of PdCr thin film strain gauge prepared on Ni-based superalloy. <i>Sensors and Actuators A: Physical</i> , 2019, 298, 111571.	4.1	31
5	A flexible three-dimensional force sensor based on PI piezoresistive film. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19830-19839.	2.2	28
6	Fabrication and characterization of nickel thin film as resistance temperature detector. <i>Vacuum</i> , 2020, 176, 109288.	3.5	25
7	Investigation of high temperature electrical insulation property of MgO ceramic films and the influence of annealing process. <i>Ceramics International</i> , 2019, 45, 24343-24347.	4.8	19
8	Crack-enhanced mechanosensitivity of cost-effective piezoresistive flexible strain sensors suitable for motion detection. <i>Smart Materials and Structures</i> , 2018, 27, 105049.	3.5	17
9	Enhanced leakage current performance and conduction mechanisms of Bi <sub>1.5</sub> Zn <sub>1.0</sub> Nb <sub>1.5</sub> O <sub>7</sub> /Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> bilayered thin films. <i>Journal of Applied Physics</i> , 2012, 112, 074113.	2.5	15
10	Tunable capacitors employing BZN/BST thin films for RF applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 1140-1144.	3.0	13
11	Thickness-ratio-dependent dielectric properties of Bi <sub>1.5</sub> Zn <sub>1.0</sub> Nb <sub>1.5</sub> O <sub>7</sub> /Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> bilayered thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 911-916.	3.5	11
12	Influence of a heterolayered Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> ceramic protective overcoat on the high temperature performance of PdCr thin film strain gauges. <i>Ceramics International</i> , 2019, 45, 16489-16495.	4.8	10
13	Realization of flexible pressure sensor based on conductive polymer composite via using electrical impedance tomography. <i>Smart Materials and Structures</i> , 2020, 29, 055004.	3.5	10
14	Influence of substrate temperature on the microstructure of YSZ films and their application as the insulating layer of thin film sensors for harsh temperature environments. <i>Ceramics International</i> , 2022, 48, 13524-13530.	4.8	10
15	Effect of thickness on the electrical properties of PdCr strain sensitive thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 10475-10482.	2.2	8
16	Effect of thermally grown Al <sub>2</sub> O <sub>3</sub> on electrical insulation properties of thin film sensors for high temperature environments. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 113033.	4.1	6
17	Effect of Zinc Content on Dielectric Properties of Cubic Pyrochlore Bi <sub>2</sub> O <sub>3</sub> /ZnO/Nb <sub>2</sub> O <sub>5</sub> Thin Films. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 121402.	1.5	4
18	A Memristor-Based Bioinspired Multimodal Sensory Memory System for Sensory Adaptation of Robots. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	4

#	ARTICLE	IF	CITATIONS
19	Flexible fully printed temperature sensor based on PVC/CB composite. , 2020, , .		0