

# 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

19  
times ranked

262  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | 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        |
| 2  | A Memristor-Based Bioinspired Multimodal Sensory Memory System for Sensory Adaptation of Robots. <i>Advanced Intelligent Systems</i> , 2022, 4, .   | 6.1 | 4         |
| 3  | 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        |
| 4  | 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         |
| 5  | 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        |
| 6  | Fabrication and characterization of nickel thin film as resistance temperature detector. <i>Vacuum</i> , 2020, 176, 109288.   | 3.5 | 25        |
| 7  | Flexible fully printed temperature sensor based on PVC/CB composite. , 2020, , .  |     | 0         |
| 8  | 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        |
| 9  | 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        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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         |
| 13 | 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        |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|--|-----|-----------|
| 19 | Effect of Zinc Content on Dielectric Properties of Cubic Pyrochlore $\text{Bi}_2\text{O}_3\text{-ZnO-Nb}_2\text{O}_5$ Thin Films. Japanese Journal of Applied Physics, 2009, 48, 121402. | 1.5 | 4         |