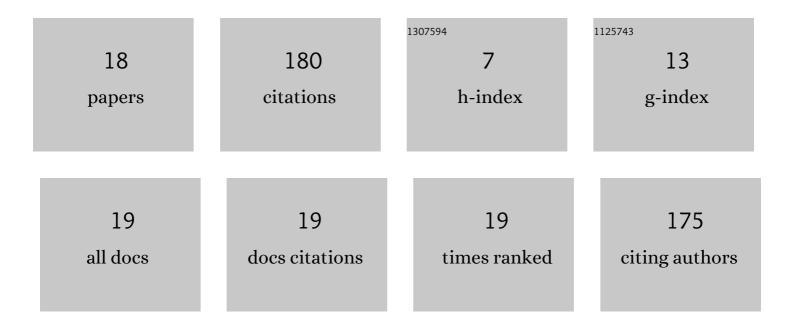
## **Ruiqiang Tao**

List of Publications by Year in descending order

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| #  | Article                                                                                                                                                                                                                                | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Direct patterning of silver electrodes with 2.4 μm channel length by piezoelectric inkjet printing.<br>Journal of Colloid and Interface Science, 2017, 487, 68-72.                                                                     | 9.4 | 30        |
| 2  | Direct Inkjet Printing of Silver Source/Drain Electrodes on an Amorphous InGaZnO Layer for Thin-Film<br>Transistors. Materials, 2017, 10, 51.                                                                                          | 2.9 | 26        |
| 3  | Effects of praseodymium doping on the electrical properties and aging effect of InZnO thin-film transistor. Journal of Materials Science, 2019, 54, 14778-14786.                                                                       | 3.7 | 22        |
| 4  | Effect of Post Treatment For Cu-Cr Source/Drain Electrodes on a-IGZO TFTs. Materials, 2016, 9, 623.                                                                                                                                    | 2.9 | 20        |
| 5  | Homogeneous Surface Profiles of Inkjet-Printed Silver Nanoparticle Films by Regulating Their Drying<br>Microenvironment. Journal of Physical Chemistry C, 2017, 121, 8992-8998.                                                        | 3.1 | 14        |
| 6  | Critical Impact of Solvent Evaporation on the Resolution of Inkjet Printed Nanoparticles Film. ACS<br>Applied Materials & Interfaces, 2018, 10, 22883-22888.                                                                           | 8.0 | 14        |
| 7  | Enhancement of electrical properties of solution-processed oxide thin film transistors using<br>ZrO <sub>2</sub> gate dielectrics deposited by an oxygen-doped solution. Journal Physics D: Applied<br>Physics, 2021, 54, 125101.      | 2.8 | 9         |
| 8  | UV-Cured Inkjet-Printed Silver Gate Electrode with Low Electrical Resistivity. Nanoscale Research<br>Letters, 2017, 12, 546.                                                                                                           | 5.7 | 8         |
| 9  | Enhancement of ferroelectricity and homogeneity of orthorhombic phase in<br>Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> thin films. Nanotechnology, 2021, 32, 335704.                                                           | 2.6 | 6         |
| 10 | Interface scattering dominated carrier transport in hysteresis-free amorphous InGaZnO thin film<br>transistors with high-k HfAlO gate dielectrics by atom layer deposition. Semiconductor Science and<br>Technology, 2022, 37, 025005. | 2.0 | 5         |
| 11 | Highly conductive AZO thin films obtained by rationally optimizing substrate temperature and oxygen partial pressure. Molecular Crystals and Liquid Crystals, 2017, 644, 190-196.                                                      | 0.9 | 4         |
| 12 | Evaporation induced hollow cracks and the adhesion of silver nanoparticle film. Journal of Materials Science, 2019, 54, 7987-7996.                                                                                                     | 3.7 | 4         |
| 13 | Realization of tunable artificial synapse through ambipolar charge trapping in organic transistor with pentacene/poly(α-methylstyrene) architecture. Journal of Applied Physics, 2021, 129, .                                          | 2.5 | 4         |
| 14 | Controllable Coercive Field of Ferroelectric HfO <sub>2</sub> Films via UV-Ozone Surface<br>Modification. IEEE Transactions on Electron Devices, 2022, 69, 3094-3099.                                                                  | 3.0 | 4         |
| 15 | Tunable Linearity of Weight Update in Low Voltage Synaptic Transistors with Periodic Highâ€∢i>k<br>Laminates. Advanced Electronic Materials, 2022, 8, .                                                                                | 5.1 | 4         |
| 16 | Electret/High- <i>k</i> Solution Dielectric for Low Voltage Synaptic Transistors With Near Linear and<br>Ambipolar Weight Update. IEEE Electron Device Letters, 2022, 43, 1467-1470.                                                   | 3.9 | 3         |
| 17 | Zigzag Hollow Cracks of Silver Nanoparticle Film Regulated by Its Drying Micro-environment.<br>Nanoscale Research Letters, 2018, 13, 354.                                                                                              | 5.7 | 1         |
| 18 | A Strategy toward Realizing Ultrashort Channels and Microstructures Array by Piezoelectric Inkjet<br>Printing. Nanomaterials, 2019, 9, 1515.                                                                                           | 4.1 | 1         |