

Ruiqiang Tao

List of Publications by Year in descending order

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18
papers

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1307594

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citing authors

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