

Feng Shao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

394
citations

1040056

9
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas Sensors Based on Semiconducting Nanowire Field-Effect Transistors. <i>Sensors</i> , 2014, 14, 17406-17429.	3.8	85
2	Interaction Mechanisms of Ammonia and Tin Oxide: A Combined Analysis Using Single Nanowire Devices and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3520-3526.	3.1	52
3	Oxide-based Synaptic Transistors Gated by Sol-Gel Silica Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3050-3055.	8.0	52
4	Recent progress on jet printing of oxide-based thin film transistors. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 143002.	2.8	40
5	Multifunctional Logic Demonstrated in a Flexible Multigate Oxide-Based Electric-Double-Layer Transistor on Paper Substrate. <i>Advanced Electronic Materials</i> , 2017, 3, 1600509.	5.1	36
6	In Situ Ultrafast and Patterned Growth of Transition Metal Dichalcogenides from Inkjet-Printed Aqueous Precursors. <i>Advanced Materials</i> , 2021, 33, e2100260.	21.0	36
7	Assessment and Modeling of NH ₃ -SnO ₂ Interactions using Individual Nanowires. <i>Procedia Engineering</i> , 2012, 47, 293-297.	1.2	18
8	Starch as ion-based gate dielectric for oxide thin film transistors. <i>Organic Electronics</i> , 2017, 45, 203-208.	2.6	16
9	On-chip fabrication of surface ionisation gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 25-30.	7.8	14
10	Humidity Stability of All-Sputtered Metal-Oxide Electric-Double-Layer Transistors. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 5532-5536.	3.0	9
11	Comparison of Hydrogen Sulfide Sensing Characteristics of Individual SnO ₂ Nanowire and SnO ₂ Sol-Gel Nanocomposite. <i>Procedia Engineering</i> , 2012, 47, 1398-1401.	1.2	8
12	A printable GO-PVA composite dielectric for EDL gating of metal-oxide TFTs. <i>Flexible and Printed Electronics</i> , 2020, 5, 015002.	2.7	8
13	Optimization of chitosan gated electric double layer transistors by combining nanoparticle incorporation and acid doping. <i>RSC Advances</i> , 2016, 6, 109803-109808.	3.6	5
14	Artificial neuron synapse transistor based on silicon nanomembrane on plastic substrate. <i>Journal of Semiconductors</i> , 2017, 38, 064006.	3.7	5
15	Direct ink write printing of resistive-type humidity sensors. <i>Flexible and Printed Electronics</i> , 2021, 6, 045007.	2.7	5
16	Exploration of Nafion for the Electric-Double-Layer Gating of Metal-Oxide Thin Film Transistors. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 025003.	1.8	3
17	High performance IGZO-based phototransistors by BN/BP interface engineering. <i>Nanotechnology</i> , 2021, 32, 025201.	2.6	2