

Jian-Chang Li

List of Publications by Year in descending order

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31
papers

357
citations

687363

13
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839539

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31
docs citations

31
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	Bending effect on the resistive switching behavior of a NiO/TiO ₂ p-n heterojunction. RSC Advances, 2018, 8, 19861-19867.	3.6	28
2	Porous structure preparation and wettability control on titanium implant. Surface and Coatings Technology, 2013, 228, S131-S136.	4.8	26
3	Effect of fatigue fracture on the resistive switching of TiO ₂ -CuO film/ITO flexible memory device. Current Applied Physics, 2018, 18, 953-960.	2.4	23
4	Diode rectification and negative differential resistance of dipyrimidinyl-diphenyl molecular junctions. Organic Electronics, 2013, 14, 2451-2458.	2.6	22
5	Effect of p-n interface on resistive switching of NiO/CeO ₂ thin films. Journal of Alloys and Compounds, 2018, 752, 247-252.	5.5	22
6	Effect of annealing temperature on the growth of Zn-Sn-O nanocomposite thin films. Journal of Alloys and Compounds, 2017, 714, 114-119.	5.5	20
7	Effect of bending on resistive switching of NiO/ZnO nanocomposite thin films. Journal of Alloys and Compounds, 2017, 709, 752-759.	5.5	18
8	Effects of Ag-induced acceptor defects on the band gap tuning and conductivity of Li:ZnO films. Journal of Applied Physics, 2013, 113, 203518.	2.5	17
9	Conductance Switching and Photovoltaic Effect of Ru(II) Complex Molecular Junctions: Role of Complex Properties and the Metal/Molecule Interface. Journal of Physical Chemistry Letters, 2014, 5, 1017-1021.	4.6	17
10	Interfacial Effects on Resistive Switching of Flexible Polymer Thin Films Embedded with TiO ₂ Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 7944-7950.	3.1	16
11	Effect of Zn/Sn ratio on structure and properties of ZnO-SnO ₂ nanocomposite films. Journal of Alloys and Compounds, 2014, 611, 219-224.	5.5	15
12	Effects of Temperature and Light Illumination on the Current-Voltage Characteristics of Molecular Self-Assembled Monolayer Junctions. Journal of Physical Chemistry C, 2012, 116, 10986-10994.	3.1	14
13	Ru-Al codoping to mediate resistive switching of NiO:SnO ₂ nanocomposite films. Applied Physics Letters, 2014, 104, .	3.3	14
14	Interfacial Effects on Resistive Switching of Polymer Films Embedded with Different Nanomaterials. Journal of Physical Chemistry C, 2017, 121, 13723-13728.	3.1	14
15	Polymer/TiO ₂ Nanoparticles interfacial effects on resistive switching under mechanical strain. Organic Electronics, 2020, 77, 105528.	2.6	13
16	Bending effect on resistive switching behavior of HfO ₂ /NiO p-n heterojunction. Journal of Alloys and Compounds, 2021, 858, 158091.	5.5	12
17	Morphology and Electric Properties of Tin Oxide Composite Thin Films Prepared by Sol-Gel Method. Crystal Research and Technology, 2017, 52, 1700183.	1.3	8
18	Effect of bottom electrode materials on resistive switching of flexible poly(N-vinylcarbazole) film embedded with TiO ₂ nanoparticles. Thin Solid Films, 2018, 664, 136-142.	1.8	8

#	ARTICLE	IF	CITATIONS
19	Temperature-Dependent Fatigue Failure of Flexible Poly(9,9-dioctylfluorene- <i>alt</i> -benzothiadiazole) (PFBT)â€ZnO Nanoparticle Hybrid Resistive Switching Memory Devices. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27722-27731.	3.1	8
20	Electron transport of oligothiophene derivative molecular device at varied temperature and light illumination. <i>Organic Electronics</i> , 2014, 15, 1018-1027.	2.6	6
21	Mechanical strain effects on resistive switching of flexible polymer thin films embedded with ZnO nanoparticles. <i>Materials Research Express</i> , 2018, 5, 066425.	1.6	6
22	Enhanced resistive switching performance in rare-earth/high- $\hat{\rho}$ CeO ₂ /ZrO ₂ nanocomposite films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 386, 126995.	2.1	6
23	Interfacial effects on resistive switching of vacuum spray deposited polymer thin films embedded with TiO ₂ nanoparticles under bending strain. <i>Organic Electronics</i> , 2018, 61, 170-176.	2.6	5
24	Effect of thermal annealing on microstructure and optical properties of Zn _{1-x} Mg _x O thin films grown by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14030-14035.	2.2	5
25	Bending effect on the synaptic behavior of WO ₃ -based flexible memristor under variable temperatures. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	4
26	Temperature dependent electron transport in oligo (3-methylthiophene) derivative molecular devices. <i>Organic Electronics</i> , 2017, 47, 1-8.	2.6	3
27	Flexible one diode-one resistor composed of ZnO/poly (fluorene- <i>alt</i> -benzothiadiazole) (PFBT) heterojunction diode and TiO ₂ resistive memory. <i>Materials Research Express</i> , 2018, 5, 066429.	1.6	2
28	Effect of Fatigue Fracture on Resistive Switching of ZnO and NiO Stacking Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	2.4	2
29	Temperature-Dependent Fatigue Characterization of Flexible Cellulose Nanocrystal Strain Sensor. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	2
30	Stretching Effect on Resistive Switching of TiO ₂ /ZnO Heterojunction Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25529-25537.	3.1	1
31	NANOSCALE DATA STORAGE. , 2009, , 193-260.		0