

Krystian Mistewicz

List of Publications by Year in descending order

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35
papers

712
citations

430874

18
h-index

552781

26
g-index

35
all docs

35
docs citations

35
times ranked

391
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric energy harvesting systems for biomedical applications. <i>Nano Energy</i> , 2022, 100, 107514.	16.0	87
2	Piezoelectric Nanogenerator Based on Lead-Free Flexible PVDF-Barium Titanate Composite Films for Driving Low Power Electronics. <i>Crystals</i> , 2021, 11, 85.	2.2	60
3	Fabrication and characterization of SbSI gel for humidity sensors. <i>Sensors and Actuators A: Physical</i> , 2014, 210, 119-130.	4.1	46
4	SbSeI pyroelectric nanogenerator for a low temperature waste heat recovery. <i>Nano Energy</i> , 2019, 64, 103906.	16.0	43
5	Transient characteristics and negative photoconductivity of SbSI humidity sensor. <i>Sensors and Actuators A: Physical</i> , 2014, 210, 32-40.	4.1	32
6	A Ferroelectric-Photovoltaic Effect in SbSI Nanowires. <i>Nanomaterials</i> , 2019, 9, 580.	4.1	31
7	Recent Advances in Ferroelectric Nanosensors: Toward Sensitive Detection of Gas, Mechano-thermal Signals, and Radiation. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-15.	2.7	29
8	Nanogenerator for determination of acoustic power in ultrasonic reactors. <i>Ultrasonics Sonochemistry</i> , 2021, 78, 105718.	8.2	29
9	Ferroelectric SbSI nanowires for ammonia detection at a low temperature. <i>Talanta</i> , 2018, 189, 225-232.	5.5	27
10	Influence of humidity on impedance of SbSI gel. <i>Sensors and Actuators A: Physical</i> , 2012, 183, 34-42.	4.1	26
11	Unraveling highly efficient nanomaterial photocatalyst for pollutant removal: a comprehensive review and future progress. <i>Materials Today Chemistry</i> , 2022, 23, 100692.	3.5	26
12	Piezoelectric nanogenerator based on flexible PDMS/BiMgFeCeO ₆ composites for sound detection and biomechanical energy harvesting. <i>Sustainable Energy and Fuels</i> , 2021, 5, 6049-6058.	4.9	25
13	SbSI Nanosensors: from Gel to Single Nanowire Devices. <i>Nanoscale Research Letters</i> , 2017, 12, 97.	5.7	23
14	Ultrasonic processing of SbSI nanowires for their application to gas sensors. <i>Ultrasonics</i> , 2016, 69, 67-73.	3.9	21
15	Fast and Efficient Piezo/Photocatalytic Removal of Methyl Orange Using SbSI Nanowires. <i>Materials</i> , 2020, 13, 4803.	2.9	21
16	A new hybrid piezo/triboelectric SbSeI nanogenerator. <i>Energy</i> , 2022, 238, 122048.	8.8	20
17	SbSI nanowires for ferroelectric generators operating under shock pressure. <i>Materials Letters</i> , 2016, 180, 15-18.	2.6	19
18	Pyroelectric Nanogenerator Based on an SbSI/TiO ₂ Nanocomposite. <i>Sensors</i> , 2022, 22, 69.	3.8	19

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19	Determination of electrical conductivity type of SbSI nanowires. <i>Materials Letters</i> , 2016, 182, 78-80.	2.6	18
20	A simple route for manufacture of photovoltaic devices based on chalcohalide nanowires. <i>Applied Surface Science</i> , 2020, 517, 146138.	6.1	18
21	Humidity dependent impedance characteristics of SbSeI nanowires. <i>Applied Surface Science</i> , 2020, 513, 145859.	6.1	16
22	Nanogenerator for dynamic stimuli detection and mechanical energy harvesting based on compressed SbSeI nanowires. <i>Energy</i> , 2020, 212, 118717.	8.8	15
23	Sonochemical growth of nanomaterials in carbon nanotube. <i>Ultrasonics</i> , 2018, 83, 179-187.	3.9	10
24	Fabrication and characterisation of SbI ₃ -opal structures. <i>Materials Letters</i> , 2014, 130, 17-20.	2.6	8
25	Comparison of the Investigations of Photonic Crystals Using SEM and Optical Technics. <i>Solid State Phenomena</i> , 0, 197, 119-124.	0.3	7
26	SbSI Single Nanowires as Humidity Sensors. <i>Acta Physica Polonica A</i> , 2014, 126, 1113-1114.	0.5	7
27	Quantum Effects in Electrical Conductivity and Photoconductivity of Single SbSI Nanowire. <i>Acta Physica Polonica A</i> , 2013, 124, 827-829.	0.5	6
28	Applications of group 15 ternary chalcohalide nanomaterials. , 2019, , 225-282.		4
29	Fabrication Techniques of Group 15 Ternary Chalcohalide Nanomaterials. , 2019, , 337-384.		4
30	Antimony Sulfoiodide as Novel Material for Photonic Crystals. , 2014, , .		4
31	Desorption of Gasses Induced by Ferroelectric Transition in SbSI Nanowires. <i>Acta Physica Polonica A</i> , 2014, 126, 1110-1112.	0.5	3
32	Humidity Sensing Using SbSI Nanophotodetectors. , 2014, , .		3
33	Prevention of food spoilage using nanoscale sensors. , 2017, , 245-288.		2
34	Interfacial Polarization Phenomena in Compressed Nanowires of SbSI. <i>Materials</i> , 2022, 15, 1543.	2.9	2
35	Properties of Sonochemically Prepared CuIn _x Ga _{1-x} S ₂ and CuIn _x Ga _{1-x} Se ₂ . <i>Acta Physica Polonica A</i> , 2014, 126, 1107-1109.	0.5	1