

Shengyong Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2187577/publications.pdf>

Version: 2024-02-01

44
papers

445
citations

759233

12
h-index

752698

20
g-index

44
all docs

44
docs citations

44
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	An Extremely Simple Thermocouple Made of a Single Layer of Metal. <i>Advanced Materials</i> , 2012, 24, 3275-3279.	21.0	53
2	Thin-Film Thermocouple Array for Time-Resolved Local Temperature Mapping. <i>IEEE Electron Device Letters</i> , 2011, 32, 1606-1608.	3.9	43
3	Unexpected size effect in the thermopower of thin-film stripes. <i>Journal of Applied Physics</i> , 2011, 110, 083709.	2.5	39
4	Measurement of local temperature increments induced by cultured HepG2 cells with micro-thermocouples in a thermally stabilized system. <i>Scientific Reports</i> , 2017, 7, 1721.	3.3	38
5	A Nano-Stripe Based Sensor for Temperature Measurement at the Submicrometer and Nano Scales. <i>Small</i> , 2014, 10, 3869-3875.	10.0	26
6	Penetrating effect of high-intensity infrared laser pulses through body tissue. <i>RSC Advances</i> , 2018, 8, 32344-32357.	3.6	22
7	Real-Time Two-Dimensional Mapping of Relative Local Surface Temperatures with a Thin-Film Sensor Array. <i>Sensors</i> , 2016, 16, 977.	3.8	21
8	Thermal sensing in fluid at the micro-nano-scales. <i>Biomicrofluidics</i> , 2018, 12, 041501.	2.4	16
9	Trapping and Driving Individual Charged Micro-particles in Fluid with an Electrostatic Device. <i>Nano-Micro Letters</i> , 2016, 8, 270-281.	27.0	14
10	To save half contact pads in 2D mapping of local temperatures with a thermocouple array. <i>RSC Advances</i> , 2017, 7, 9100-9105.	3.6	14
11	A sub-200 nanometer wide 3D stacking thin-film temperature sensor. <i>RSC Advances</i> , 2016, 6, 40185-40191.	3.6	13
12	Imaging of soft material with carbon nanotube tip using near-field scanning microwave microscopy. <i>Ultramicroscopy</i> , 2015, 148, 75-80.	1.9	12
13	Diode assisted giant positive magnetoresistance in n-type GaAs at room temperature. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	10
14	Measurement and Evaluation of Local Surface Temperature Induced by Irradiation of Nanoscaled or Microscaled Electron Beams. <i>Nanoscale Research Letters</i> , 2019, 14, 31.	5.7	10
15	Contact Mechanism of the Ag-doped Trimolybdate Nanowire as An Antimicrobial Agent. <i>Nano-Micro Letters</i> , 2012, 4, 228-234.	27.0	9
16	Performance of Nano-Submicron-Stripe Pd Thin-Film Temperature Sensors. <i>Nanoscale Research Letters</i> , 2016, 11, 351.	5.7	9
17	Linearly enhanced response of thermopower in cascaded array of dual-stripe single-metal thermocouples. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	9
18	Experimental and Computational Studies on the Basic Transmission Properties of Electromagnetic Waves in Softmaterial Waveguides. <i>Scientific Reports</i> , 2018, 8, 13824.	3.3	8

#	ARTICLE	IF	CITATIONS
19	The Roles of Membrane for Electrical Communication in a Biosystem. <i>Neuroscience and Biomedical Engineering</i> , 2017, 4, 230-236.	0.4	8
20	A multilayered microfluidic system with functions for local electrical and thermal measurements. <i>Microfluidics and Nanofluidics</i> , 2012, 12, 963-970.	2.2	7
21	Alternative method to fabricate microdevices on a freestanding Si ₃ N ₄ window. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 041601.	1.2	7
22	Phenomena of synchronized response in biosystems and the possible mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 661-666.	2.1	7
23	Transmission electron microscope observation of a freestanding nanocrystal in a Coulomb potential well. <i>Nanoscale</i> , 2010, 2, 248-253.	5.6	6
24	Mapping Sensory Spots for Moderate Temperatures on the Back of Hand. <i>Sensors</i> , 2017, 17, 2802.	3.8	6
25	Response to "Comment on "Unexpected size effect in the thermopower of thin-film stripes" <i>J. Appl. Phys.</i> 115, 236101 (2014)]. <i>Journal of Applied Physics</i> , 2014, 115, 236102.	2.5	4
26	Contact mode thermal sensors for ultrahigh-temperature region of 2000~3500K. <i>Rare Metals</i> , 2019, 38, 713-720.	7.1	4
27	Non-Interventional and High-Precision Temperature Measurement Biochips for Long-Term Monitoring the Temperature Fluctuations of Individual Cells. <i>Biosensors</i> , 2021, 11, 454.	4.7	4
28	Current sustainability and electromigration of Pd, Sc and Y thin-films as potential interconnects. <i>Nano-Micro Letters</i> , 2010, 2, 184-189.	27.0	3
29	Geometric Shape Induced Small Change of Seebeck Coefficient in Bulky Metallic Wires. <i>Sensors</i> , 2017, 17, 331.	3.8	3
30	The Effects of Natural Chinese Medicine Aconite Root, Dried Ginger Rhizome, and <i>Coptis</i> on Rectal and Skin Temperatures at Acupuncture Points. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-10.	1.2	3
31	Dissolvable Trimolybdate Nanowires as Ag Carriers for High-Efficiency Antimicrobial Applications. <i>ISRN Nanotechnology</i> , 2012, 2012, 1-8.	1.3	3
32	A Hybrid Titanium-Softmaterial, High-Strength, Transparent Cranial Window for Transcranial Injection and Neuroimaging. <i>Biosensors</i> , 2022, 12, 129.	4.7	3
33	An electromagnetic view of relay time in propagation of neural signals*. <i>Chinese Physics B</i> , 2021, 30, 028701.	1.4	2
34	Contact Mechanism of the Ag-doped Trimolybdate Nanowire as An Antimicrobial Agent. , 2012, 4, 228.		2
35	Thermal Probing Techniques for a Single Live Cell. <i>Sensors</i> , 2022, 22, 5093.	3.8	2
36	Electromagnetic Propagation Models in Nerve Fibers. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	Some Energy Issues for a Nanoscale Electrostatic Potential Well in Saline Solutions. Chemosensors, 2020, 8, 50.	3.6	1
38	Nano-dielectrics in biosystems. IET Nanodielectrics, 0, , .	4.1	1
39	Long Range Electromagnetic Field Nature of Nerve Signal Propagation in Myelinated Axons. Chinese Physics B, 0, , .	1.4	1
40	Current sustainability and electromigration of Pd, Sc and Y thin-films as potential interconnects. Nano-Micro Letters, 2010, 2, 184.	27.0	1
41	Sensors: An Extremely Simple Thermocouple Made of a Single Layer of Metal (Adv. Mater. 24/2012). Advanced Materials, 2012, 24, 3285-3285.	21.0	0
42	Multifunctional Freestanding Microprobes for Potential Biological Applications. Sensors, 2019, 19, 2328.	3.8	0
43	Simulation on the Physical Process of Neural Electromagnetic Signal Generation Based on a Simple but Functional Bionic Na ⁺ Channel. Chinese Physics B, 0, , .	1.4	0
44	Low impedance nature of 12 acupoints on the limbs, and the unexpected dependence on limb angle. Journal of Traditional Chinese Medicine, 2018, 38, 287-298.	0.2	0