Shengyong Xu

List of Publications by Year
in descending order

		759233	752698
44	445	12	20
papers	citations	h-index	g-index

44	44	44	512
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Hybrid Titanium-Softmaterial, High-Strength, Transparent Cranial Window for Transcranial Injection and Neuroimaging. Biosensors, 2022, 12, 129.	4.7	3
2	Thermal Probing Techniques for a Single Live Cell. Sensors, 2022, 22, 5093.	3.8	2
3	An electromagnetic view of relay time in propagation of neural signals*. Chinese Physics B, 2021, 30, 028701.	1.4	2
4	Non-Interventional and High-Precision Temperature Measurement Biochips for Long-Term Monitoring the Temperature Fluctuations of Individual Cells. Biosensors, 2021, 11, 454.	4.7	4
5	Some Energy Issues for a Nanoscale Electrostatic Potential Well in Saline Solutions. Chemosensors, 2020, 8, 50.	3.6	1
6	Contact mode thermal sensors for ultrahigh-temperature region of 2000â€“3500ÂK. Rare Metals, 2019, 38, 713-720.	7.1	4
7	Measurement and Evaluation of Local Surface Temperature Induced by Irradiation of Nanoscaled or Microscaled Electron Beams. Nanoscale Research Letters, 2019, 14, 31.	5.7	10
8	Electromagnetic Propagation Models in Nerve Fibers. , 2019, , .		1
9	Multifunctional Freestanding Microprobes for Potential Biological Applications. Sensors, 2019, 19, 2328.	3.8	0
10	Phenomena of synchronized response in biosystems and the possible mechanism. Biochemical and Biophysical Research Communications, 2018, 496, 661-666.	2.1	7
11	Penetrating effect of high-intensity infrared laser pulses through body tissue. RSC Advances, 2018, 8, 32344-32357.	3.6	22
12	Experimental and Computational Studies on the Basic Transmission Properties of Electromagnetic Waves in Softmaterial Waveguides. Scientific Reports, 2018, 8, 13824.	3.3	8
13	Thermal sensing in fluid at the micro-nano-scales. Biomicrofluidics, 2018, 12, 041501.	2.4	16
14	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
15	To save half contact pads in 2D mapping of local temperatures with a thermocouple array. RSC Advances, 2017, 7, 9100-9105.	3.6	14
16	Linearly enhanced response of thermopower in cascaded array of dual-stripe single-metal thermocouples. Applied Physics Letters, 2017, 110, .	3.3	9
17	Measurement of local temperature increments induced by cultured HepG2 cells with micro-thermocouples in a thermally stabilized system. Scientific Reports, 2017, 7, 1721.	3.3	38
18	Alternative method to fabricate microdevices on a freestanding Si3N4 window. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, 041601.	1.2	7

#	Article	IF	Citations
19	Geometric Shape Induced Small Change of Seebeck Coefficient in Bulky Metallic Wires. Sensors, 2017, 17, 331.	3.8	3
20	Mapping Sensory Spots for Moderate Temperatures on the Back of Hand. Sensors, 2017, 17, 2802.	3.8	6
21	The Effects of Natural Chinese Medicine Aconite Root, Dried Ginger Rhizome, and Coptis on Rectal and Skin Temperatures at Acupuncture Points. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-10.	1.2	3
22	The Roles of Membrane for Electrical Communication in a Biosystem. Neuroscience and Biomedical Engineering, 2017, 4, 230-236.	0.4	8
23	Real-Time Two-Dimensional Mapping of Relative Local Surface Temperatures with a Thin-Film Sensor Array. Sensors, 2016, 16, 977.	3.8	21
24	Performance of Nano-Submicron-Stripe Pd Thin-Film Temperature Sensors. Nanoscale Research Letters, 2016, 11, 351.	5.7	9
25	A sub-200 nanometer wide 3D stacking thin-film temperature sensor. RSC Advances, 2016, 6, 40185-40191.	3.6	13
26	Trapping and Driving Individual Charged Micro-particles in Fluid with an Electrostatic Device. Nano-Micro Letters, 2016, 8, 270-281.	27.0	14
27	Imaging of soft material with carbon nanotube tip using near-field scanning microwave microscopy. Ultramicroscopy, 2015, 148, 75-80.	1.9	12
28	Response to â€œComment on â€˜Unexpected size effect in the thermopower of thin-film stripesâ€™â€•[J. Appl. Phys. 115, 236101 (2014)]. Journal of Applied Physics, 2014, 115, 236102.	2.5	4
29	A Nanoâ€Stripe Based Sensor for Temperature Measurement at the Submicrometer and Nano Scales. Small, 2014, 10, 3869-3875.	10.0	26
30	Diode assisted giant positive magnetoresistance in n-type GaAs at room temperature. Journal of Applied Physics, 2013, 114, .	2.5	10
31	Contact Mechanism of the Ag-doped Trimolybdate Nanowire as An Antimicrobial Agent. Nano-Micro Letters, 2012, 4, 228-234.	27.0	9
32	An Extremely Simple Thermocouple Made of a Single Layer of Metal. Advanced Materials, 2012, 24, 3275-3279.	21.0	53
33	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
34	A multilayered microfluidic system with functions for local electrical and thermal measurements. Microfluidics and Nanofluidics, 2012, 12, 963-970.	2.2	7
35	Contact Mechanism of the Ag-doped Trimolybdate Nanowire as An Antimicrobial Agent. , 2012, 4, 228.		2
36	Dissolvable Trimolybdate Nanowires as Ag Carriers for High-Efficiency Antimicrobial Applications. ISRN Nanotechnology, 2012, 2012, 1-8.	1.3	3

#	Article	IF	Citations
37	Thin-Film Thermocouple Array for Time-Resolved Local Temperature Mapping. IEEE Electron Device Letters, 2011, 32, 1606-1608.	3.9	43
38	Unexpected size effect in the thermopower of thin-film stripes. Journal of Applied Physics, 2011, 110, 083709.	2.5	39
39	Current sustainability and electromigration of Pd, Sc and Y thin-films as potential interconnects. Nano-Micro Letters, 2010, 2, 184-189.	27.0	3
40	Transmission electron microscope observation of a freestanding nanocrystal in a Coulomb potential well. Nanoscale, 2010, 2, 248-253.	5.6	6
41	Current sustainability and electromigration of Pd, Sc and Y thin-films as potential interconnects. Nano-Micro Letters, 2010, 2, 184.	27.0	1
42	Nanoâ€dielectrics in biosystems. IET Nanodielectrics, 0, , .	4.1	1
43	Long Range Electromagnetic Field Nature of Nerve Signal Propagation in Myelinated Axons. Chinese Physics B, 0, , .	1.4	1
44	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