

Guodong Li

List of Publications by Year in descending order

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papers

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759233

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27
times ranked

1128
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometric Study of Polymer Embedded Micro Thermoelectric Cooler with Optimized Contact Resistance. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	9
2	Durable, stretchable and washable inorganic-based woven thermoelectric textiles for power generation and solid-state cooling. <i>Energy and Environmental Science</i> , 2022, 15, 2374-2385.	30.8	51
3	Micro thermoelectric devices: From principles to innovative applications. <i>Chinese Physics B</i> , 2022, 31, 047204.	1.4	4
4	Emergence of 1/3 magnetization plateau and successive magnetic transitions in Zintl phase $\text{Zn}_{1-x}\text{Sb}_x$. <i>Physical Review Research</i> , 2021, 3, .	3.3	3
5	High-Pressure Synthesis and Thermal Transport Properties of Polycrystalline Bi_2Te_3 . <i>Chinese Physics Letters</i> , 2020, 37, 066202.	3.3	5
6	Highly Symmetric and Extremely Compact Multiple Winding Microtubes by a Dry Rolling Mechanism. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902048.	3.7	12
7	Thermoelectric Characterization Platform for Electrochemically Deposited Materials. <i>Advanced Electronic Materials</i> , 2020, 6, 1901288.	5.1	3
8	Doping High-Mobility Donor-Acceptor Copolymer Semiconductors with an Organic Salt for High-Performance Thermoelectric Materials. <i>Advanced Electronic Materials</i> , 2020, 6, 1900945.	5.1	30
9	Microwave Radiation Detection with an Ultrathin Free-Standing Superconducting Niobium Nanohelix. <i>ACS Nano</i> , 2019, 13, 2948-2955.	14.6	28
10	Thickness-Dependent Electronic Transport in Ultrathin, Single Crystalline Silicon Nanomembranes. <i>Advanced Electronic Materials</i> , 2019, 5, 1900232.	5.1	10
11	Design Guidelines for Micro-Thermoelectric Devices by Finite Element Analysis. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800093.	5.3	7
12	Comparing the Gate Dependence of Contact Resistance and Channel Resistance in Organic Field-Effect Transistors for Understanding the Mobility Overestimation Issue. <i>IEEE Electron Device Letters</i> , 2018, 39, 421-423.	3.9	19
13	The Importance of Contact Resistance in High-Mobility Organic Field-Effect Transistors Studied by Scanning Kelvin Probe Microscopy. <i>IEEE Electron Device Letters</i> , 2018, 39, 276-279.	3.9	13
14	Integrated microthermoelectric coolers with rapid response time and high device reliability. <i>Nature Electronics</i> , 2018, 1, 555-561.	26.0	70
15	Electronic and Optical Properties of 2D Materials Constructed from Light Atoms. <i>Advanced Materials</i> , 2018, 30, e1801600.	21.0	36
16	(Invited) Compact Telluride Films Prepared By Electrochemical Deposition and Their Applications for Integrated Micro- Thermoelectric Devices. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
17	In-Plane Thermal Conductivity of Radial and Planar Si/SiO_2 Hybrid Nanomembrane Superlattices. <i>ACS Nano</i> , 2017, 11, 8215-8222.	14.6	18
18	Hybrid semiconductor/metal nanomembrane superlattices for thermoelectric application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 620-625.	1.8	6

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19	Fully Integrated Organic Nanocrystal Diode as High Performance Room Temperature NO ₂ Sensor. <i>Advanced Materials</i> , 2016, 28, 2971-2977.	21.0	57
20	Engineering interface-type resistive switching in BiFeO ₃ thin film switches by Ti implantation of bottom electrodes. <i>Scientific Reports</i> , 2015, 5, 18623.	3.3	29
21	Bipolar Electric-Field Enhanced Trapping and Detrapping of Mobile Donors in BiFeO ₃ Memristors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19758-19765.	8.0	84
22	Thermal Conductivity of Mechanically Joined Semiconducting/Metal Nanomembrane Superlattices. <i>Nano Letters</i> , 2014, 14, 2387-2393.	9.1	20
23	Thermal conductivity measurement of individual Bi ₂ Se ₃ nano-ribbon by self-heating three- ω method. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	31
24	Anisotropic transport of two-dimensional electron gas modulated by embedded elongated GaSb/GaAs quantum dots. <i>Applied Physics Letters</i> , 2011, 98, 032103.	3.3	4
25	Short range scattering mechanism of type-II GaSb/GaAs quantum dots on the transport properties of two-dimensional electron gas. <i>Journal of Applied Physics</i> , 2010, 108, 043702.	2.5	9
26	Magnetic properties and ferromagnetic resonance of Li-Mg-Ti microwave ferrite systems (abstract). <i>Journal of Applied Physics</i> , 1988, 64, 5831-5831.	2.5	3