

# Guodong Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3030639/publications.pdf>

Version: 2024-02-01

26  
papers

561  
citations

759233

12  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bipolar Electric-Field Enhanced Trapping and Detrapping of Mobile Donors in BiFeO <sub>3</sub> Memristors. ACS Applied Materials & Interfaces, 2014, 6, 19758-19765.	8.0	84
2	Integrated microthermoelectric coolers with rapid response time and high device reliability. Nature Electronics, 2018, 1, 555-561.	26.0	70
3	Fully Integrated Organic Nanocrystal Diode as High Performance Room Temperature NO <sub>2</sub> Sensor. Advanced Materials, 2016, 28, 2971-2977.	21.0	57
4	Durable, stretchable and washable inorganic-based woven thermoelectric textiles for power generation and solid-state cooling. Energy and Environmental Science, 2022, 15, 2374-2385.	30.8	51
5	Electronic and Optical Properties of 2D Materials Constructed from Light Atoms. Advanced Materials, 2018, 30, e1801600.	21.0	36
6	Thermal conductivity measurement of individual Bi <sub>2</sub> Se <sub>3</sub> nano-ribbon by self-heating three-ï‰ method. Applied Physics Letters, 2013, 102, .	3.3	31
7	Doping High-Mobility Donor-ï€Acceptor Copolymer Semiconductors with an Organic Salt for High-ï€Performance Thermoelectric Materials. Advanced Electronic Materials, 2020, 6, 1900945.	5.1	30
8	Engineering interface-type resistive switching in BiFeO <sub>3</sub> thin film switches by Ti implantation of bottom electrodes. Scientific Reports, 2015, 5, 18623.	3.3	29
9	Microwave Radiation Detection with an Ultrathin Free-Standing Superconducting Niobium Nanohelix. ACS Nano, 2019, 13, 2948-2955.	14.6	28
10	Thermal Conductivity of Mechanically Joined Semiconducting/Metal Nanomembrane Superlattices. Nano Letters, 2014, 14, 2387-2393.	9.1	20
11	Comparing the Gate Dependence of Contact Resistance and Channel Resistance in Organic Field-Effect Transistors for Understanding the Mobility Overestimation Issue. IEEE Electron Device Letters, 2018, 39, 421-423.	3.9	19
12	In-Plane Thermal Conductivity of Radial and Planar Si/SiO <sub>2</sub> Hybrid Nanomembrane Superlattices. ACS Nano, 2017, 11, 8215-8222.	14.6	18
13	The Importance of Contact Resistance in High-Mobility Organic Field-Effect Transistors Studied by Scanning Kelvin Probe Microscopy. IEEE Electron Device Letters, 2018, 39, 276-279.	3.9	13
14	Highly Symmetric and Extremely Compact Multiple Winding Microtubes by a Dry Rolling Mechanism. Advanced Materials Interfaces, 2020, 7, 1902048.	3.7	12
15	Thickness-ï€Dependent Electronic Transport in Ultrathin, Single Crystalline Silicon Nanomembranes. Advanced Electronic Materials, 2019, 5, 1900232.	5.1	10
16	Short range scattering mechanism of type-II GaSb/GaAs quantum dots on the transport properties of two-dimensional electron gas. Journal of Applied Physics, 2010, 108, 043702.	2.5	9
17	Geometric Study of Polymer Embedded Micro Thermoelectric Cooler with Optimized Contact Resistance. Advanced Electronic Materials, 2022, 8, .	5.1	9
18	Design Guidelines for Micro-ï€Thermoelectric Devices by Finite Element Analysis. Advanced Sustainable Systems, 2019, 3, 1800093.	5.3	7

#	ARTICLE	IF	CITATIONS
19	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
20	High-Pressure Synthesis and Thermal Transport Properties of Polycrystalline $\text{Ba}_x\text{S}$ . <i>Chinese Physics Letters</i> , 2020, 37, 066202.	3.3	5
21	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
22	Micro thermoelectric devices: From principles to innovative applications. <i>Chinese Physics B</i> , 2022, 31, 047204.	1.4	4
23	Magnetic properties and ferromagnetic resonance of $\text{LiMgTi}$ microwave ferrite systems (abstract). <i>Journal of Applied Physics</i> , 1988, 64, 5831-5831.	2.5	3
24	Thermoelectric Characterization Platform for Electrochemically Deposited Materials. <i>Advanced Electronic Materials</i> , 2020, 6, 1901288.	5.1	3
25	Emergence of 1/3 magnetization plateau and successive magnetic transitions in $\text{ZnTi}$ phase Physical Review Research, 2021, 3, .		
26	(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