

Zhe Luo

List of Publications by Year in descending order

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papers

7,456
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1306789

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citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature and Strain Effects in Micro-Raman Thermometry for Measuring In-Plane Thermal Conductivity of Thin Films. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2021, 25, 91-100.	1.4	2
2	Large Enhancement of Thermal Conductivity and Lorenz Number in Topological Insulator Thin Films. <i>ACS Nano</i> , 2018, 12, 1120-1127.	7.3	25
3	Observation of Optical and Electrical In-Plane Anisotropy in High-Mobility Few-Layer $ZrTe_5$. <i>Nano Letters</i> , 2016, 16, 7364-7369.	4.5	80
4	Auxetic Black Phosphorus: A 2D Material with Negative Poisson's Ratio. <i>Nano Letters</i> , 2016, 16, 6701-6708.	4.5	184
5	Structural, Electronic and Transport Properties of Silicene and Germanene. , 2016, , 347-364.		0
6	Anisotropic in-plane thermal conductivity observed in few-layer black phosphorus. <i>Nature Communications</i> , 2015, 6, 8572.	5.8	520
7	Towards high-performance two-dimensional black phosphorus optoelectronic devices: the role of metal contacts. , 2014, , .		13
8	Measurement of In-Plane Thermal Conductivity of Ultrathin Films Using Micro-Raman Spectroscopy. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2014, 18, 183-193.	1.4	28
9	Black Phosphorus's "Monolayer MoS_2 van der Waals Heterojunction p-n Diode. <i>ACS Nano</i> , 2014, 8, 8292-8299.	7.3	1,125
10	Phosphorene: An Unexplored 2D Semiconductor with a High Hole Mobility. <i>ACS Nano</i> , 2014, 8, 4033-4041.	7.3	5,474
11	In-Plane Thermal Conductivity of Ultra-Thin Al_2O_3 Films Measured by Micro-Raman. , 2013, , .		2
12	Anisotropic Properties of Black Phosphorus. , 0, , 413-434.		3