

Zhe Luo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

11
papers

6,151
citations

8
h-index

12
g-index

12
ext. papers

6,860
ext. citations

12
avg, IF

5.65
L-index

#	Paper	IF	Citations
11	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	3.7	2
10	Large Enhancement of Thermal Conductivity and Lorenz Number in Topological Insulator Thin Films. <i>ACS Nano</i> , 2018 , 12, 1120-1127	16.7	22
9	Observation of Optical and Electrical In-Plane Anisotropy in High-Mobility Few-Layer ZrTe ₅ . <i>Nano Letters</i> , 2016 , 16, 7364-7369	11.5	59
8	Auxetic Black Phosphorus: A 2D Material with Negative Poisson's Ratio. <i>Nano Letters</i> , 2016 , 16, 6701-6708	11.5	135
7	Anisotropic in-plane thermal conductivity observed in few-layer black phosphorus. <i>Nature Communications</i> , 2015 , 6, 8572	17.4	426
6	Measurement of In-Plane Thermal Conductivity of Ultrathin Films Using Micro-Raman Spectroscopy. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2014 , 18, 183-193	3.7	25
5	Black phosphorus-monolayer MoS ₂ van der Waals heterojunction p-n diode. <i>ACS Nano</i> , 2014 , 8, 8292-9	16.7	979
4	Phosphorene: an unexplored 2D semiconductor with a high hole mobility. <i>ACS Nano</i> , 2014 , 8, 4033-41	16.7	4487
3	Towards high-performance two-dimensional black phosphorus optoelectronic devices: the role of metal contacts 2014 ,		12
2	In-Plane Thermal Conductivity of Ultra-Thin Al ₂ O ₃ Films Measured by Micro-Raman 2013 ,		1
1	Anisotropic Properties of Black Phosphorus 2013		3