

# Zhe Luo

## List of Publications by Citations

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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	Phosphorene: an unexplored 2D semiconductor with a high hole mobility. <i>ACS Nano</i> , <b>2014</b> , 8, 4033-41	16.7	4487
10	Black phosphorus-monolayer MoS <sub>2</sub> van der Waals heterojunction p-n diode. <i>ACS Nano</i> , <b>2014</b> , 8, 8292-9	16.7	979
9	Anisotropic in-plane thermal conductivity observed in few-layer black phosphorus. <i>Nature Communications</i> , <b>2015</b> , 6, 8572	17.4	426
8	Auxetic Black Phosphorus: A 2D Material with Negative Poisson's Ratio. <i>Nano Letters</i> , <b>2016</b> , 16, 6701-6708	11.5	135
7	Observation of Optical and Electrical In-Plane Anisotropy in High-Mobility Few-Layer ZrTe <sub>5</sub> . <i>Nano Letters</i> , <b>2016</b> , 16, 7364-7369	11.5	59
6	Measurement of In-Plane Thermal Conductivity of Ultrathin Films Using Micro-Raman Spectroscopy. <i>Nanoscale and Microscale Thermophysical Engineering</i> , <b>2014</b> , 18, 183-193	3.7	25
5	Large Enhancement of Thermal Conductivity and Lorenz Number in Topological Insulator Thin Films. <i>ACS Nano</i> , <b>2018</b> , 12, 1120-1127	16.7	22
4	Towards high-performance two-dimensional black phosphorus optoelectronic devices: the role of metal contacts <b>2014</b> ,		12
3	Anisotropic Properties of Black Phosphorus 413-434		3
2	Temperature and Strain Effects in Micro-Raman Thermometry for Measuring In-Plane Thermal Conductivity of Thin Films. <i>Nanoscale and Microscale Thermophysical Engineering</i> , <b>2021</b> , 25, 91-100	3.7	2
1	In-Plane Thermal Conductivity of Ultra-Thin Al <sub>2</sub> O <sub>3</sub> Films Measured by Micro-Raman <b>2013</b> ,		1