

# Shuai Duan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4966685/publications.pdf>

Version: 2024-02-01

10  
papers

132  
citations

1478505

6  
h-index

1372567

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g-index

10  
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docs citations

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times ranked

131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh Thermoelectric Performance Realized in Black Phosphorus System by Favorable Band Engineering through Group VA Doping. <i>Advanced Functional Materials</i> , 2019, 29, 1904346.	14.9	41
2	Liquid phase exfoliation of bismuth nanosheets for flexible all-solid-state supercapacitors with high energy density. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12314-12322.	5.5	19
3	Pressure-driven significant phonon mode softening and robust superconductivity in layered germanium phosphide. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20054-20061.	10.3	17
4	Superior Conversion Efficiency Achieved in GeP <sub>3</sub> /h-BN Heterostructures as Novel Flexible and Ultralight Thermoelectrics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18800-18808.	8.0	14
5	Enhanced Thermoelectric Performance in Black Phosphorus Nanotubes by Band Modulation through Tailoring Nanotube Chirality. <i>Small</i> , 2020, 16, e2001820.	10.0	13
6	Prediction of enhanced thermoelectric performance in two-dimensional black phosphorus nanosheets. <i>Vacuum</i> , 2021, 183, 109790.	3.5	10
7	Synthesis of Highly Stable One-Dimensional Black Phosphorus/h-BN Heterostructures: A Novel Flexible Electronic Platform. <i>Chinese Physics Letters</i> , 2020, 37, 076203.	3.3	8
8	Enhanced strength of nano-polycrystalline diamond by introducing boron carbide interlayers at the grain boundaries. <i>Nanoscale Advances</i> , 2020, 2, 691-698.	4.6	7
9	Double-dome superconductivity in germanium phosphides. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8617-8624.	5.5	2
10	Screening for new thermoelectric material: A semiconducting TaS <sub>3</sub> with nanoporous structure. <i>Journal of Materiomics</i> , 2022, 8, 1031-1037.	5.7	1