

Shaofan Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,302
citations

687363

13
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1915
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent infrared sensing enabled by tunable moiré quantum geometry. <i>Nature</i> , 2022, 604, 266-272.	27.8	69
2	A wavelength-scale black phosphorus spectrometer. <i>Nature Photonics</i> , 2021, 15, 601-607.	31.4	130
3	Moiré Band Topology in Twisted Bilayer Graphene. <i>Nano Letters</i> , 2020, 20, 6076-6083.	9.1	30
4	Strong mid-infrared photoresponse in small-twist-angle bilayer graphene. <i>Nature Photonics</i> , 2020, 14, 549-553.	31.4	76
5	Enhancing infrared emission of mercury telluride (HgTe) quantum dots by plasmonic structures. <i>Light: Science and Applications</i> , 2020, 9, 37.	16.6	2
6	Room Temperature Graphene Mid-Infrared Bolometer with a Broad Operational Wavelength Range. <i>ACS Photonics</i> , 2020, 7, 1206-1215.	6.6	41
7	Widely tunable mid-infrared light emission in thin-film black phosphorus. <i>Science Advances</i> , 2020, 6, eaay6134.	10.3	80
8	Graphene Schottky Varactor Diodes for High-Performance Photodetection. <i>ACS Photonics</i> , 2019, 6, 1910-1915.	6.6	11
9	Bright Mid-Infrared Photoluminescence from Thin-Film Black Phosphorus. <i>Nano Letters</i> , 2019, 19, 1488-1493.	9.1	90
10	Synthesis of Crystalline Black Phosphorus Thin Film on Sapphire. <i>Advanced Materials</i> , 2018, 30, 1703748.	21.0	86
11	Large-Velocity Saturation in Thin-Film Black Phosphorus Transistors. <i>ACS Nano</i> , 2018, 12, 5003-5010.	14.6	44
12	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. <i>Nano Letters</i> , 2018, 18, 3172-3179.	9.1	145
13	Efficient electrical detection of mid-infrared graphene plasmons at room temperature. <i>Nature Materials</i> , 2018, 17, 986-992.	27.5	119
14	Infrared Nanophotonics Based on Graphene Plasmonics. <i>ACS Photonics</i> , 2017, 4, 2989-2999.	6.6	92
15	Widely tunable black phosphorus mid-infrared photodetector. <i>Nature Communications</i> , 2017, 8, 1672.	12.8	283