

Environmental instability of few-layer black phosphorus

2D Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Magneto-electronic properties of multilayer black phosphorus. <i>Physical Review B</i> , 2015, 92, .	1.1	45
2	Field-Effect Transistors Based on Amorphous Black Phosphorus Ultrathin Films by Pulsed Laser Deposition. <i>Advanced Materials</i> , 2015, 27, 3748-3754.	11.1	274
3	Black Phosphorus-Polymer Composites for Pulsed Lasers. <i>Advanced Optical Materials</i> , 2015, 3, 1447-1453.	3.6	228
4	Electronic Properties of Phosphorene/Graphene and Phosphorene/Hexagonal Boron Nitride Heterostructures. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13929-13936.	1.5	295
5	Chemical modifications and stability of phosphorene with impurities: a first principles study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15209-15217.	1.3	78
6	Properties of 2D layered crystals: MoS ₂ , NbSe ₂ and black phosphorus. , 2015, , .		0
7	Screening and plasmons in pure and disordered single- and bilayer black phosphorus. <i>Physical Review B</i> , 2015, 92, .	1.1	41
8	Phosphorene oxides: Bandgap engineering of phosphorene by oxidation. <i>Physical Review B</i> , 2015, 91, .	1.1	181
9	High-performance n-type black phosphorus transistors with type control via thickness and contact-metal engineering. <i>Nature Communications</i> , 2015, 6, 7809.	5.8	223
10	Transport and optical properties of single- and bilayer black phosphorus with defects. <i>Physical Review B</i> , 2015, 91, .	1.1	103
11	Quality Heterostructures from Two-Dimensional Crystals Unstable in Air by Their Assembly in Inert Atmosphere. <i>Nano Letters</i> , 2015, 15, 4914-4921.	4.5	358
12	Phosphorene: Fabrication, Properties, and Applications. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2794-2805.	2.1	680
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15	Unusual Angular Dependence of the Raman Response in Black Phosphorus. <i>ACS Nano</i> , 2015, 9, 4270-4276.	7.3	301
16	Large Frequency Change with Thickness in Interlayer Breathing Mode-Significant Interlayer Interactions in Few Layer Black Phosphorus. <i>Nano Letters</i> , 2015, 15, 3931-3938.	4.5	100
17	Transport properties of pristine few-layer black phosphorus by van der Waals passivation in an inert atmosphere. <i>Nature Communications</i> , 2015, 6, 6647.	5.8	460
18	Stable and Selective Humidity Sensing Using Stacked Black Phosphorus Flakes. <i>ACS Nano</i> , 2015, 9, 9898-9905.	7.3	207

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20	Mechanical and Electrical Anisotropy of Few-Layer Black Phosphorus. <i>ACS Nano</i> , 2015, 9, 11362-11370.	7.3	247
21	Engineering excitonic dynamics and environmental stability of post-transition metal chalcogenides by pyridine functionalization technique. <i>Nanoscale</i> , 2015, 7, 17109-17115.	2.8	12
22	The electronic structures of group-V—group-IV hetero-bilayer structures: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27769-27776.	1.3	54
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#	ARTICLE	IF	CITATIONS
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