

# Degradation of phosphorene in air: understanding at at

2D Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Black Phosphorus: Critical Review and Potential for Water Splitting Photocatalyst. <i>Nanomaterials</i> , 2016, 6, 194.	1.9	79
2	Two-Dimensional Phosphorus Porous Polymorphs with Tunable Band Gaps. <i>Journal of the American Chemical Society</i> , 2016, 138, 7091-7098.	6.6	119
3	Stability and Electronic Properties of 2D Nanomaterials Conjugated with Pyrazinamide Chemotherapeutic: A First-Principles Cluster Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20323-20332.	1.5	36
4	Light-Induced Ambient Degradation of Few-Layer Black Phosphorus: Mechanism and Protection. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11437-11441.	7.2	514
5	Light-Induced Ambient Degradation of Few-Layer Black Phosphorus: Mechanism and Protection. <i>Angewandte Chemie</i> , 2016, 128, 11609-11613.	1.6	78
6	Two-dimensional antimonene single crystals grown by van der Waals epitaxy. <i>Nature Communications</i> , 2016, 7, 13352.	5.8	798
7	Hydrogen separation by porous phosphorene: A periodical DFT study. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 23067-23074.	3.8	23
8	Interaction of Black Phosphorus with Oxygen and Water. <i>Chemistry of Materials</i> , 2016, 28, 8330-8339.	3.2	436
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11	2D Materials for Optical Modulation: Challenges and Opportunities. <i>Advanced Materials</i> , 2017, 29, 1606128.	11.1	364
12	Control of Surface and Edge Oxidation on Phosphorene. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9126-9135.	4.0	135
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15	Black Phosphorus/TiO <sub>2</sub> Composite Photoanode with Enhanced Photoelectrical Performance. <i>ChemElectroChem</i> , 2017, 4, 2373-2377.	1.7	24
16	Water-Catalyzed Oxidation of Few-Layer Black Phosphorous in a Dark Environment. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9131-9135.	7.2	141
17	Prediction of two-dimensional BiSb with puckered structure. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700051.	1.2	11
18	Thermal stability and thermal conductivity of phosphorene in phosphorene/graphene van der Waals heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17180-17186.	1.3	37

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19	Exotic Physics and Chemistry of Two-Dimensional Phosphorus: Phosphorene. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2909-2916.	2.1	71
20	Oxidation Resistance of Monolayer Group-IV Monochalcogenides. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 12013-12020.	4.0	118
21	Stability and electronic properties of two-dimensional indium iodide. <i>Physical Review B</i> , 2017, 95, .	1.1	10
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128	Directional extraction and penetration of phosphorene nanosheets to cell membranes. <i>Nanoscale</i> , 2020, 12, 2810-2819.	2.8	27
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