

Christopher R Ryder

List of Publications by Year in descending order

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10
papers

1,732
citations

933447

10
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

3838
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent functionalization and passivation of exfoliated black phosphorus via aryl diazonium chemistry. <i>Nature Chemistry</i> , 2016, 8, 597-602.	13.6	687
2	Chemically Tailoring Semiconducting Two-Dimensional Transition Metal Dichalcogenides and Black Phosphorus. <i>ACS Nano</i> , 2016, 10, 3900-3917.	14.6	232
3	Anisotropic Thermal Conductivity of Exfoliated Black Phosphorus. <i>Advanced Materials</i> , 2015, 27, 8017-8022.	21.0	221
4	Stable aqueous dispersions of optically and electronically active phosphorene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11688-11693.	7.1	206
5	Probing Out-of-Plane Charge Transport in Black Phosphorus with Graphene-Contacted Vertical Field-Effect Transistors. <i>Nano Letters</i> , 2016, 16, 2580-2585.	9.1	119
6	3D Anisotropic Thermal Conductivity of Exfoliated Rhenium Disulfide. <i>Advanced Materials</i> , 2017, 29, 1700650.	21.0	76
7	Resolving the In-Plane Anisotropic Properties of Black Phosphorus. <i>Small Methods</i> , 2017, 1, 1700143.	8.6	73
8	Rapid and Large-Area Characterization of Exfoliated Black Phosphorus Using Third-Harmonic Generation Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1343-1350.	4.6	68
9	Metal Oxide Nanoparticle Growth on Graphene via Chemical Activation with Atomic Oxygen. <i>Journal of the American Chemical Society</i> , 2013, 135, 18121-18125.	13.7	33
10	All-Electrical Determination of Crystal Orientation in Anisotropic Two-Dimensional Materials. <i>Physical Review Letters</i> , 2018, 120, 086801.	7.8	17