

Damien Hanlon

List of Publications by Year in descending order

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27
papers

4,211
citations

304602

22
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552653

26
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docs citations

27
times ranked

7110
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid exfoliation of solvent-stabilized few-layer black phosphorus for applications beyond electronics. <i>Nature Communications</i> , 2015, 6, 8563.	5.8	921
2	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. <i>Nature Communications</i> , 2014, 5, 4576.	5.8	432
3	Guidelines for Exfoliation, Characterization and Processing of Layered Materials Produced by Liquid Exfoliation. <i>Chemistry of Materials</i> , 2017, 29, 243-255.	3.2	401
4	Production of Highly Monolayer Enriched Dispersions of Liquid-Exfoliated Nanosheets by Liquid Cascade Centrifugation. <i>ACS Nano</i> , 2016, 10, 1589-1601.	7.3	365
5	Production of Molybdenum Trioxide Nanosheets by Liquid Exfoliation and Their Application in High-Performance Supercapacitors. <i>Chemistry of Materials</i> , 2014, 26, 1751-1763.	3.2	266
6	Liquid Phase Exfoliated MoS ₂ Nanosheets Percolated with Carbon Nanotubes for High Volumetric/Areal Capacity Sodium-Ion Batteries. <i>ACS Nano</i> , 2016, 10, 8821-8828.	7.3	258
7	Preparation of Gallium Sulfide Nanosheets by Liquid Exfoliation and Their Application As Hydrogen Evolution Catalysts. <i>Chemistry of Materials</i> , 2015, 27, 3483-3493.	3.2	195
8	Spectroscopic metrics allow in situ measurement of mean size and thickness of liquid-exfoliated few-layer graphene nanosheets. <i>Nanoscale</i> , 2016, 8, 4311-4323.	2.8	194
9	Electrical, Mechanical, and Capacity Percolation Leads to High-Performance MoS ₂ /Nanotube Composite Lithium Ion Battery Electrodes. <i>ACS Nano</i> , 2016, 10, 5980-5990.	7.3	159
10	Comparison of liquid exfoliated transition metal dichalcogenides reveals MoSe ₂ to be the most effective hydrogen evolution catalyst. <i>Nanoscale</i> , 2016, 8, 5737-5749.	2.8	127
11	Liquid exfoliation of interlayer spacing-tunable 2D vanadium oxide nanosheets: High capacity and rate handling Li-ion battery cathodes. <i>Nano Energy</i> , 2017, 39, 151-161.	8.2	123
12	Mapping of Low-Frequency Raman Modes in CVD-Grown Transition Metal Dichalcogenides: Layer Number, Stacking Orientation and Resonant Effects. <i>Scientific Reports</i> , 2016, 6, 19476.	1.6	111
13	Photoconductivity of solution-processed MoS ₂ films. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6899.	2.7	99
14	Large variations in both dark- and photoconductivity in nanosheet networks as nanomaterial is varied from MoS ₂ to WTe ₂ . <i>Nanoscale</i> , 2015, 7, 198-208.	2.8	76
15	Photoluminescence from Liquid-Exfoliated WS ₂ Monomers in Poly(Vinyl Alcohol) Polymer Composites. <i>Advanced Functional Materials</i> , 2016, 26, 1028-1039.	7.8	73
16	Transition Metal Dichalcogenide Growth via Close Proximity Precursor Supply. <i>Scientific Reports</i> , 2014, 4, 7374.	1.6	72
17	Exfoliation of 2D materials by high shear mixing. <i>2D Materials</i> , 2019, 6, 015008.	2.0	67
18	Slow and fast absorption saturation of black phosphorus: experiment and modelling. <i>Nanoscale</i> , 2016, 8, 17374-17382.	2.8	46

#	ARTICLE	IF	CITATIONS
19	Liquid phase exfoliation of carbonate-intercalated layered double hydroxides. Chemical Communications, 2019, 55, 3315-3318.	2.2	45
20	Size-dependent saturable absorption and mode-locking of dispersed black phosphorus nanosheets. Optical Materials Express, 2016, 6, 3159.	1.6	44
21	Liquid phase exfoliation of MoO ₂ nanosheets for lithium ion battery applications. Nanoscale Advances, 2019, 1, 1560-1570.	2.2	35
22	Low wavenumber Raman spectroscopy of highly crystalline MoSe ₂ grown by chemical vapor deposition. Physica Status Solidi (B): Basic Research, 2015, 252, 2385-2389.	0.7	29
23	Preparation of Liquid-exfoliated Transition Metal Dichalcogenide Nanosheets with Controlled Size and Thickness: A State of the Art Protocol. Journal of Visualized Experiments, 2016, , .	0.2	23
24	Carbon nanotubes-bridged molybdenum trioxide nanosheets as high performance anode for lithium ion batteries. 2D Materials, 2018, 5, 015024.	2.0	21
25	An investigation of the energy storage properties of a 2D MoO_3 -SWCNTs composite films. 2D Materials, 2017, 4, 015005.	2.0	20
26	Exfoliation in Endotoxin-Free Albumin Generates Pristine Graphene with Reduced Inflammatory Properties. Advanced Biology, 2018, 2, 1800102.	3.0	9
27	Low wavenumber Raman spectroscopy of highly crystalline MoSe ₂ grown by chemical vapor deposition (Phys. Status Solidi B 11/2015). Physica Status Solidi (B): Basic Research, 2015, 252, .	0.7	0