Nina C. Berner

List of Publications by Year
in descending order

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35	4,857	236925 25	377865 34
papers	citations	h-index	g-index

35	35	35	8598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquid exfoliation of solvent-stabilized few-layer black phosphorus for applications beyond electronics. Nature Communications, 2015, 6, 8563.	12.8	921
2	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. Nature Communications, 2014, 5, 4576.	12.8	432
3	A Commercial Conducting Polymer as Both Binder and Conductive Additive for Silicon Nanoparticle-Based Lithium-Ion Battery Negative Electrodes. ACS Nano, 2016, 10, 3702-3713.	14.6	394
4	Direct Observation of Degenerate Two-Photon Absorption and Its Saturation in WS₂ and MoS₂ Monolayer and Few-Layer Films. ACS Nano, 2015, 9, 7142-7150.	14.6	322
5	High-Performance Hybrid Electronic Devices from Layered PtSe₂ Films Grown at Low Temperature. ACS Nano, 2016, 10, 9550-9558.	14.6	310
6	Basal-Plane Functionalization of Chemically Exfoliated Molybdenum Disulfide by Diazonium Salts. ACS Nano, 2015, 9, 6018-6030.	14.6	293
7	Functionalization of Liquidâ€Exfoliated Twoâ€Dimensional 2Hâ€MoS₂. Angewandte Chemie - International Edition, 2015, 54, 2638-2642.	13.8	219
8	Functionalization of Twoâ€Dimensional MoS₂: On the Reaction Between MoS₂ and Organic Thiols. Angewandte Chemie - International Edition, 2016, 55, 5803-5808.	13.8	219
9	Preparation of Gallium Sulfide Nanosheets by Liquid Exfoliation and Their Application As Hydrogen Evolution Catalysts. Chemistry of Materials, 2015, 27, 3483-3493.	6.7	195
10	Noncovalently Functionalized Monolayer Graphene for Sensitivity Enhancement of Surface Plasmon Resonance Immunosensors. Journal of the American Chemical Society, 2015, 137, 2800-2803.	13.7	190
11	Raman characterization of platinum diselenide thin films. 2D Materials, 2016, 3, 021004.	4.4	172
12	Plasma assisted synthesis of WS2 for gas sensing applications. Chemical Physics Letters, 2014, 615, 6-10.	2.6	150
13	Controlled synthesis of transition metal dichalcogenide thin films for electronic applications. Applied Surface Science, 2014, 297, 139-146.	6.1	144
14	Comparison of liquid exfoliated transition metal dichalcogenides reveals MoSe₂to be the most effective hydrogen evolution catalyst. Nanoscale, 2016, 8, 5737-5749.	5.6	127
15	Strain, Bubbles, Dirt, and Folds: A Study of Graphene Polymerâ€Assisted Transfer. Advanced Materials Interfaces, 2014, 1, 1400115.	3.7	98
16	Effect of Percolation on the Capacitance of Supercapacitor Electrodes Prepared from Composites of Manganese Dioxide Nanoplatelets and Carbon Nanotubes. ACS Nano, 2014, 8, 9567-9579.	14.6	89
17	Transition Metal Dichalcogenide Growth via Close Proximity Precursor Supply. Scientific Reports, 2014, 4, 7374.	3.3	72
18	Production of Ni(OH)₂nanosheets by liquid phase exfoliation: from optical properties to electrochemical applications. Journal of Materials Chemistry A, 2016, 4, 11046-11059.	10.3	71

#	Article	IF	Citations
19	Enabling Flexible Heterostructures for Liâ€Ion Battery Anodes Based on Nanotube and Liquidâ€Phase Exfoliated 2D Gallium Chalcogenide Nanosheet Colloidal Solutions. Small, 2017, 13, 1701677.	10.0	71
20	Molybdenum disulfide/pyrolytic carbon hybrid electrodes for scalable hydrogen evolution. Nanoscale, 2014, 6, 8185.	5.6	48
21	The goldilocks electrolyte: examining the performance of iron/nickel oxide thin films as catalysts for electrochemical water splitting in various aqueous NaOH solutions. Journal of Materials Chemistry A, 2016, 4, 11397-11407.	10.3	47
22	Functionalization of Twoâ€Dimensional MoS₂: On the Reaction Between MoS₂ and Organic Thiols. Angewandte Chemie, 2016, 128, 5897-5902.	2.0	46
23	Atomic layer deposition on 2D transition metal chalcogenides: layer dependent reactivity and seeding with organic ad-layers. Chemical Communications, 2015, 51, 16553-16556.	4.1	39
24	Functionalization of Liquidâ€Exfoliated Twoâ€Dimensional 2Hâ€MoS₂. Angewandte Chemie, 2015, 127, 2676-2680.	2.0	35
25	A New 2H-2Hâ€²/1T Cophase in Polycrystalline MoS₂ and MoSe₂ Thin Films. ACS Applied Materials & Interfaces, 2016, 8, 31442-31448.	8.0	33
26	Understanding and optimising the packing density of perylene bisimide layers on CVD-grown graphene. Nanoscale, 2015, 7, 16337-16342.	5.6	25
27	Inkjet-defined field-effect transistors from chemical vapour deposited graphene. Carbon, 2014, 71, 332-337.	10.3	17
28	Lithium Titanate/Carbon Nanotubes Composites Processed by Ultrasound Irradiation as Anodes for Lithium Ion Batteries. Scientific Reports, 2017, 7, 7614.	3.3	17
29	On-surface derivatisation of aromatic molecules on graphene: the importance of packing density. Chemical Communications, 2015, 51, 16778-16781.	4.1	14
30	Cleaning and growth morphology of GaN and InGaN surfaces. Physica Status Solidi (B): Basic Research, 2011, 248, 1800-1809.	1.5	13
31	Largeâ€Scale Diffusion Barriers from CVD Grown Graphene. Advanced Materials Interfaces, 2015, 2, 1500082.	3.7	12
32	Oxide removal from GaN(0001) surfaces. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S305.	0.8	11
33	Adsorption of 5,10,15,20â€tetrakis (4â€bromophenyl)porphyrin on germanium(001). Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1404-1407.	0.8	6
34	Investigation of 2D transition metal dichalcogenide films for electronic devices. , 2015, , .		4
35	Optimisation of copper catalyst by the addition of chromium for the chemical vapour deposition growth of monolayer graphene. Carbon, 2015, 95, 789-793.	10.3	1