

# Nina C. Berner

## List of Publications by Year in descending order

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35  
papers

4,857  
citations

236925

25  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

8598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithium Titanate/Carbon Nanotubes Composites Processed by Ultrasound Irradiation as Anodes for Lithium Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 7614.	3.3	17
2	Enabling Flexible Heterostructures for Li-ion Battery Anodes Based on Nanotube and Liquid-Phase Exfoliated 2D Gallium Chalcogenide Nanosheet Colloidal Solutions. <i>Small</i> , 2017, 13, 1701677.	10.0	71
3	Functionalization of Two-Dimensional MoS <sub>2</sub> : On the Reaction Between MoS <sub>2</sub> and Organic Thiols. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5803-5808.	13.8	219
4	The goldilocks electrolyte: examining the performance of iron/nickel oxide thin films as catalysts for electrochemical water splitting in various aqueous NaOH solutions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11397-11407.	10.3	47
5	Raman characterization of platinum diselenide thin films. <i>2D Materials</i> , 2016, 3, 021004.	4.4	172
6	High-Performance Hybrid Electronic Devices from Layered PtSe <sub>2</sub> Films Grown at Low Temperature. <i>ACS Nano</i> , 2016, 10, 9550-9558.	14.6	310
7	A New 2H-2H <sup>2</sup> /1T Cophase in Polycrystalline MoS <sub>2</sub> and MoSe <sub>2</sub> Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 31442-31448.	8.0	33
8	Production of Ni(OH) <sub>2</sub> nanosheets by liquid phase exfoliation: from optical properties to electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11046-11059.	10.3	71
9	Functionalization of Two-Dimensional MoS <sub>2</sub> : On the Reaction Between MoS <sub>2</sub> and Organic Thiols. <i>Angewandte Chemie</i> , 2016, 128, 5897-5902.	2.0	46
10	Comparison of liquid exfoliated transition metal dichalcogenides reveals MoSe <sub>2</sub> to be the most effective hydrogen evolution catalyst. <i>Nanoscale</i> , 2016, 8, 5737-5749.	5.6	127
11	A Commercial Conducting Polymer as Both Binder and Conductive Additive for Silicon Nanoparticle-Based Lithium-Ion Battery Negative Electrodes. <i>ACS Nano</i> , 2016, 10, 3702-3713.	14.6	394
12	Large-Scale Diffusion Barriers from CVD Grown Graphene. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500082.	3.7	12
13	Noncovalently Functionalized Monolayer Graphene for Sensitivity Enhancement of Surface Plasmon Resonance Immunosensors. <i>Journal of the American Chemical Society</i> , 2015, 137, 2800-2803.	13.7	190
14	Functionalization of Liquid-Phase Exfoliated Two-Dimensional 2H-MoS <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2638-2642.	13.8	219
15	Functionalization of Liquid-Phase Exfoliated Two-Dimensional 2H-MoS <sub>2</sub> . <i>Angewandte Chemie</i> , 2015, 127, 2676-2680.	2.0	35
16	Direct Observation of Degenerate Two-Photon Absorption and Its Saturation in WS <sub>2</sub> and MoS <sub>2</sub> Monolayer and Few-Layer Films. <i>ACS Nano</i> , 2015, 9, 7142-7150.	14.6	322
17	Basal-Plane Functionalization of Chemically Exfoliated Molybdenum Disulfide by Diazonium Salts. <i>ACS Nano</i> , 2015, 9, 6018-6030.	14.6	293
18	Investigation of 2D transition metal dichalcogenide films for electronic devices. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	Preparation of Gallium Sulfide Nanosheets by Liquid Exfoliation and Their Application As Hydrogen Evolution Catalysts. <i>Chemistry of Materials</i> , 2015, 27, 3483-3493.	6.7	195
20	Atomic layer deposition on 2D transition metal chalcogenides: layer dependent reactivity and seeding with organic ad-layers. <i>Chemical Communications</i> , 2015, 51, 16553-16556.	4.1	39
21	On-surface derivatisation of aromatic molecules on graphene: the importance of packing density. <i>Chemical Communications</i> , 2015, 51, 16778-16781.	4.1	14
22	Liquid exfoliation of solvent-stabilized few-layer black phosphorus for applications beyond electronics. <i>Nature Communications</i> , 2015, 6, 8563.	12.8	921
23	Understanding and optimising the packing density of perylene bisimide layers on CVD-grown graphene. <i>Nanoscale</i> , 2015, 7, 16337-16342.	5.6	25
24	Optimisation of copper catalyst by the addition of chromium for the chemical vapour deposition growth of monolayer graphene. <i>Carbon</i> , 2015, 95, 789-793.	10.3	1
25	Inkjet-defined field-effect transistors from chemical vapour deposited graphene. <i>Carbon</i> , 2014, 71, 332-337.	10.3	17
26	Controlled synthesis of transition metal dichalcogenide thin films for electronic applications. <i>Applied Surface Science</i> , 2014, 297, 139-146.	6.1	144
27	Strain, Bubbles, Dirt, and Folds: A Study of Graphene Polymer-Assisted Transfer. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400115.	3.7	98
28	Plasma assisted synthesis of WS <sub>2</sub> for gas sensing applications. <i>Chemical Physics Letters</i> , 2014, 615, 6-10.	2.6	150
29	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. <i>Nature Communications</i> , 2014, 5, 4576.	12.8	432
30	Effect of Percolation on the Capacitance of Supercapacitor Electrodes Prepared from Composites of Manganese Dioxide Nanoplatelets and Carbon Nanotubes. <i>ACS Nano</i> , 2014, 8, 9567-9579.	14.6	89
31	Molybdenum disulfide/pyrolytic carbon hybrid electrodes for scalable hydrogen evolution. <i>Nanoscale</i> , 2014, 6, 8185.	5.6	48
32	Transition Metal Dichalcogenide Growth via Close Proximity Precursor Supply. <i>Scientific Reports</i> , 2014, 4, 7374.	3.3	72
33	Adsorption of 5,10,15,20-tetrakis (4-bromophenyl)porphyrin on germanium(001). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1404-1407.	0.8	6
34	Cleaning and growth morphology of GaN and InGaN surfaces. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 1800-1809.	1.5	13
35	Oxide removal from GaN(0001) surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, S305.	0.8	11