

# Beata M Szydłowska

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,214  
citations

567281

15  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2054  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of Highly Monolayer Enriched Dispersions of Liquid-Exfoliated Nanosheets by Liquid Cascade Centrifugation. ACS Nano, 2016, 10, 1589-1601.	14.6	365
2	Ultrafast Nonlinear Excitation Dynamics of Black Phosphorus Nanosheets from Visible to Mid-Infrared. ACS Nano, 2016, 10, 6923-6932.	14.6	231
3	Equipartition of Energy Defines the Size-Thickness Relationship in Liquid-Exfoliated Nanosheets. ACS Nano, 2019, 13, 7050-7061.	14.6	123
4	Liquid Exfoliated Co(OH) <sub>2</sub> Nanosheets as Low-Cost, Yet High-Performance, Catalysts for the Oxygen Evolution Reaction. Advanced Energy Materials, 2018, 8, 1702965.	19.5	92
5	Non-resonant light scattering in dispersions of 2D nanosheets. Nature Communications, 2018, 9, 4553.	12.8	51
6	Effect of Surfactant Choice and Concentration on the Dimensions and Yield of Liquid-Phase-Exfoliated Nanosheets. Chemistry of Materials, 2020, 32, 2852-2862.	6.7	47
7	Exploring the versatility of liquid phase exfoliation: producing 2D nanosheets from talcum powder, cat litter and beach sand. 2D Materials, 2017, 4, 025054.	4.4	39
8	Ultrafast Nonlinear Optical Properties of a Graphene Saturable Mirror in the 2 $\mu$ m Wavelength Region. Laser and Photonics Reviews, 2017, 11, 1700166.	8.7	38
9	Liquid phase exfoliation of MoO <sub>2</sub> nanosheets for lithium ion battery applications. Nanoscale Advances, 2019, 1, 1560-1570.	4.6	35
10	Quantifying the Role of Nanotubes in Nano:Nano Composite Supercapacitor Electrodes. Advanced Energy Materials, 2018, 8, 1702364.	19.5	33
11	Size-Dependent Nonlinear Optical Response of Black Phosphorus Liquid Phase Exfoliated Nanosheets in Nanosecond Regime. ACS Photonics, 2018, 5, 3608-3612.	6.6	31
12	All-Printed Ultrahigh-Responsivity MoS <sub>2</sub> Nanosheet Photodetectors Enabled by Megasonic Exfoliation. Advanced Materials, 2022, 34, .	21.0	25
13	Aerosol-jet-printed graphene electrochemical immunosensors for rapid and label-free detection of SARS-CoV-2 in saliva. 2D Materials, 2022, 9, 035016.	4.4	24
14	Preparation of Liquid-exfoliated Transition Metal Dichalcogenide Nanosheets with Controlled Size and Thickness: A State of the Art Protocol. Journal of Visualized Experiments, 2016, , .	0.3	23
15	Spectroscopic thickness and quality metrics for PtSe <sub>2</sub> layers produced by top-down and bottom-up techniques. 2D Materials, 2020, 7, 045027.	4.4	21
16	Preparation of WS <sub>2</sub> /PMMA composite films for optical applications. Journal of Materials Chemistry C, 2020, 8, 10805-10815.	5.5	10
17	Amyloid Fibril Design: Limiting Structural Polymorphism in Alzheimer's A $\beta$ Protofilaments. Journal of Physical Chemistry B, 2018, 122, 11535-11545.	2.6	7
18	Site-Selective Oxidation of Monolayered Liquid-Exfoliated WS <sub>2</sub> by Shielding the Basal Plane through Adsorption of a Facial Amphiphile. Angewandte Chemie, 2020, 132, 13889-13896.	2.0	7

#	ARTICLE	IF	CITATIONS
19	Site-Selective Oxidation of Monolayered Liquid-Exfoliated WS <sub>2</sub> by Shielding the Basal Plane through Adsorption of a Facial Amphiphile. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13785-13792.	13.8	7
20	Influence of Graphene Oxide/Ag Nanoparticle Composites on the Fluorescence Properties of Organic Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8901-8911.	0.9	5
21	Titelbild: Site-Selective Oxidation of Monolayered Liquid-Exfoliated WS <sub>2</sub> by Shielding the Basal Plane through Adsorption of a Facial Amphiphile ( <i>Angew. Chem.</i> 33/2020). <i>Angewandte Chemie</i> , 2020, 132, 13769-13769.	2.0	0