

# Erik Pollmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4292231/publications.pdf>

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16  
papers

339  
citations

1040056

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h-index

940533

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17  
all docs

17  
docs citations

17  
times ranked

458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas dependent hysteresis in MoS <sub>2</sub> field effect transistors. 2D Materials, 2019, 6, 045049.	4.4	79
2	Electron Irradiation of Metal Contacts in Monolayer MoS <sub>2</sub> Field-Effect Transistors. ACS Applied Materials & Interfaces, 2020, 12, 40532-40540.	8.0	44
3	Perforating Freestanding Molybdenum Disulfide Monolayers with Highly Charged Ions. Journal of Physical Chemistry Letters, 2019, 10, 904-910.	4.6	42
4	Highly active single-layer MoS <sub>2</sub> catalysts synthesized by swift heavy ion irradiation. Nanoscale, 2018, 10, 22908-22916.	5.6	39
5	Gate-Controlled Field Emission Current from MoS <sub>2</sub> Nanosheets. Advanced Electronic Materials, 2021, 7, 2000838.	5.1	37
6	Large-Area, Two-Dimensional MoS <sub>2</sub> Exfoliated on Gold: Direct Experimental Access to the Metal-Semiconductor Interface. ACS Omega, 2021, 6, 15929-15939.	3.5	28
7	Apparent differences between single layer molybdenum disulphide fabricated via chemical vapour deposition and exfoliation. Nanotechnology, 2020, 31, 505604.	2.6	23
8	Structural Insights into Hysteretic Spin-Crossover in a Set of	3.3	15
9	Molybdenum Disulfide Nanoflakes Grown by Chemical Vapor Deposition on Graphite: Nucleation, Orientation, and Charge Transfer. Journal of Physical Chemistry C, 2020, 124, 2689-2697.	3.1	9
10	Dynamic growth/etching model for the synthesis of two-dimensional transition metal dichalcogenides via chemical vapour deposition. 2D Materials, 2022, 9, 035001.	4.4	7
11	Laser- and Ion-Induced Defect Engineering in WS <sub>2</sub> Monolayers. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000466.	2.4	6
12	Ion-mediated growth of ultra thin molybdenum disulfide layers on highly oriented pyrolytic graphite. Surface and Coatings Technology, 2018, 349, 783-786.	4.8	3
13	A swift technique to hydrophobize graphene and increase its mechanical stability and charge carrier density. Npj 2D Materials and Applications, 2020, 4, .	7.9	3
14	The effect of elevated temperatures on excitonic emission and degradation processes of WS <sub>2</sub> monolayers. Physical Chemistry Chemical Physics, 2020, 22, 22609-22616.	2.8	2
15	Towards field-effect controlled graphene-enhanced Raman spectroscopy of cobalt octaethylporphyrin molecules. Nanotechnology, 2021, 32, 205702.	2.6	1
16	Cover Feature: Structural Insights into Hysteretic Spin-Crossover in a Set of Journal, 2022, 28, .	3.3	1