

# Michael Graf

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/575153/publications.pdf>

Version: 2024-02-01

14  
papers

1,495  
citations

840119

11  
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1058022

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Single-layer MoS <sub>2</sub> nanopores as nanopower generators. <i>Nature</i> , 2016, 536, 197-200.	13.7	830
2	Observation of ionic Coulomb blockade in nanopores. <i>Nature Materials</i> , 2016, 15, 850-855.	13.3	175
3	Light-Enhanced Blue Energy Generation Using MoS <sub>2</sub> Nanopores. <i>Joule</i> , 2019, 3, 1549-1564.	11.7	127
4	Importin- $\beta^2$ modulates the permeability of the nuclear pore complex in a Ran-dependent manner. <i>ELife</i> , 2015, 4, .	2.8	102
5	Fabrication and practical applications of molybdenum disulfide nanopores. <i>Nature Protocols</i> , 2019, 14, 1130-1168.	5.5	84
6	Transverse Detection of DNA Using a MoS <sub>2</sub> Nanopore. <i>Nano Letters</i> , 2019, 19, 9075-9083.	4.5	81
7	Wafer-scale Fabrication of Nanopore Devices for Single-Molecule DNA Biosensing using MoS <sub>2</sub> . <i>Small Methods</i> , 2020, 4, 2000072.	4.6	32
8	Microscopic Detection Analysis of Single Molecules in MoS <sub>2</sub> Membrane Nanopores. <i>ACS Nano</i> , 2020, 14, 16131-16139.	7.3	17
9	Electrochemical Functionalization of Selectively Addressed MoS <sub>2</sub> Nanoribbons for Sensor Device Fabrication. <i>ACS Applied Nano Materials</i> , 2021, 4, 1076-1084.	2.4	14
10	Electrical impedance tomography: Amplitudes of cardiac related impedance changes in the lung are highly position dependent. <i>PLoS ONE</i> , 2017, 12, e0188313.	1.1	11
11	Transverse Detection of DNA in a MoS <sub>2</sub> Nanopore. <i>Biophysical Journal</i> , 2018, 114, 180a.	0.2	11
12	Nanoscale Selective Passivation of Electrodes Contacting a 2D Semiconductor. <i>Advanced Functional Materials</i> , 2020, 30, 1907860.	7.8	5
13	Extracorporeal life support in hypothermic cardiac arrest: Reconsidering trauma as an absolute contraindication. <i>Resuscitation</i> , 2019, 135, 228-229.	1.3	4
14	Orthogonal Tip-to-Tip Nanocapillary Alignment Allows for Easy Detection of Fluorescent Emitters in Femtomolar Concentrations. <i>Nano Letters</i> , 2018, 18, 3165-3171.	4.5	2