

Tobias Foller

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

669
citations

1040056

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h-index

1125743

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g-index

13
all docs

13
docs citations

13
times ranked

1142
citing authors

#	ARTICLE	IF	CITATIONS
1	Hysteresis in the transfer characteristics of MoS ₂ transistors. 2D Materials, 2018, 5, 015014.	4.4	209
2	Electrical transport and persistent photoconductivity in monolayer MoS ₂ phototransistors. Nanotechnology, 2017, 28, 214002.	2.6	189
3	Gas dependent hysteresis in MoS ₂ field effect transistors. 2D Materials, 2019, 6, 045049.	4.4	79
4	Effective Separation of CO ₂ Using Metal-Incorporated rGO Membranes. Advanced Materials, 2020, 32, e1907580.	21.0	63
5	Large-Area, Two-Dimensional MoS ₂ Exfoliated on Gold: Direct Experimental Access to the Metal-Semiconductor Interface. ACS Omega, 2021, 6, 15929-15939.	3.5	28
6	Enhanced graphitic domains of unreduced graphene oxide and the interplay of hydration behaviour and catalytic activity. Materials Today, 2021, 50, 44-54.	14.2	27
7	Rise of 2D materials-based membranes for desalination. Desalination, 2022, 536, 115851.	8.2	21
8	Mass Transport via In-Plane Nanopores in Graphene Oxide Membranes. Nano Letters, 2022, 22, 4941-4948.	9.1	18
9	Selective Proton Transport for Hydrogen Production Using Graphene Oxide Membranes. Journal of Physical Chemistry Letters, 2020, 11, 9415-9420.	4.6	11
10	Chemical Vapour Deposition of Graphene for Durable Anticorrosive Coating on Copper. Nanomaterials, 2020, 10, 2511.	4.1	8
11	Comment on Precisely Tunable Ion Sieving with an Al ₁₃ -Ti ₃ C ₂ T ₂ Lamellar Membrane by Controlling Interlayer Spacing. ACS Nano, 2021, 15, 9201-9203.	14.6	7
12	Surface Functionalities of Graphene Oxide with Varying Flake Size. Industrial & Engineering Chemistry Research, 2022, 61, 6531-6536.	3.7	6
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