

Andreas Mittelberger

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

661
citations

623734

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839539

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g-index

20
all docs

20
docs citations

20
times ranked

1134
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic-Level Structural Engineering of Graphene on a Mesoscopic Scale. Nano Letters, 2021, 21, 5179-5185.	9.1	24
2	Endohedral Functionalization of Metallicity-Sorted Single-Walled Carbon Nanotubes. Proceedings (mdpi), 2020, 56, .	0.2	4
3	Direct imaging of light-element impurities in graphene reveals triple-coordinated oxygen. Nature Communications, 2019, 10, 4570.	12.8	39
4	Software electron counting for low-dose scanning transmission electron microscopy. Ultramicroscopy, 2018, 188, 1-7.	1.9	18
5	Chemical Oxidation of Graphite: Evolution of the Structure and Properties. Journal of Physical Chemistry C, 2018, 122, 929-935.	3.1	38
6	Insights into radiation damage from atomic resolution scanning transmission electron microscopy imaging of mono-layer CuPcCl16 films on graphene. Scientific Reports, 2018, 8, 4813.	3.3	21
7	Revealing the 3D structure of graphene defects. 2D Materials, 2018, 5, 045029.	4.4	14
8	Electron-Beam Manipulation of Silicon Dopants in Graphene. Nano Letters, 2018, 18, 5319-5323.	9.1	98
9	Fermi level engineering of metallicity-sorted metallic single-walled carbon nanotubes by encapsulation of few-atom-thick crystals of silver chloride. Journal of Materials Science, 2018, 53, 13018-13029.	3.7	21
10	Comparison of Doping Levels of Single-Walled Carbon Nanotubes Synthesized by Arc-Discharge and Chemical Vapor Deposition Methods by Encapsulated Silver Chloride. Physica Status Solidi (B): Basic Research, 2018, 255, 1800178.	1.5	11
11	Intrinsic core level photoemission of suspended monolayer graphene. Physical Review Materials, 2018, 2, .	2.4	15
12	Unraveling the 3D Atomic Structure of a Suspended Graphene/hBN van der Waals Heterostructure. Nano Letters, 2017, 17, 1409-1416.	9.1	84
13	Single-atom spectroscopy of phosphorus dopants implanted into graphene. 2D Materials, 2017, 4, 021013.	4.4	77
14	Automated Image Acquisition for Low-Dose STEM at Atomic Resolution. Microscopy and Microanalysis, 2017, 23, 809-817.	0.4	10
15	Buckyball sandwiches. Science Advances, 2017, 3, e1700176.	10.3	50
16	Cleaning graphene: Comparing heat treatments in air and in vacuum. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700124.	2.4	61
17	Analysis of Point Defects in Graphene Using Low Dose Scanning Transmission Electron Microscopy Imaging and Maximum Likelihood Reconstruction. Physica Status Solidi (B): Basic Research, 2017, 254, 1700176.	1.5	3
18	Computational insights and the observation of SiC nanograin assembly: towards 2D silicon carbide. Scientific Reports, 2017, 7, 4399.	3.3	73

#	ARTICLE	IF	CITATIONS
19	Exploring Low-dimensional Carbon Materials by High-resolution Electron and Scanned Probe Microscopy. <i>Microscopy and Microanalysis</i> , 2015, 21, 1147-1148.	0.4	0