

# Andreas Mittelberger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2044291/publications.pdf>

Version: 2024-02-01

19  
papers

661  
citations

623734

14  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-Beam Manipulation of Silicon Dopants in Graphene. Nano Letters, 2018, 18, 5319-5323.	9.1	98
2	Unraveling the 3D Atomic Structure of a Suspended Graphene/hBN van der Waals Heterostructure. Nano Letters, 2017, 17, 1409-1416.	9.1	84
3	Single-atom spectroscopy of phosphorus dopants implanted into graphene. 2D Materials, 2017, 4, 021013.	4.4	77
4	Computational insights and the observation of SiC nanograin assembly: towards 2D silicon carbide. Scientific Reports, 2017, 7, 4399.	3.3	73
5	Cleaning graphene: Comparing heat treatments in air and in vacuum. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700124.	2.4	61
6	Buckyball sandwiches. Science Advances, 2017, 3, e1700176.	10.3	50
7	Direct imaging of light-element impurities in graphene reveals triple-coordinated oxygen. Nature Communications, 2019, 10, 4570.	12.8	39
8	Chemical Oxidation of Graphite: Evolution of the Structure and Properties. Journal of Physical Chemistry C, 2018, 122, 929-935.	3.1	38
9	Atomic-Level Structural Engineering of Graphene on a Mesoscopic Scale. Nano Letters, 2021, 21, 5179-5185.	9.1	24
10	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
11	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
12	Software electron counting for low-dose scanning transmission electron microscopy. Ultramicroscopy, 2018, 188, 1-7.	1.9	18
13	Intrinsic core level photoemission of suspended monolayer graphene. Physical Review Materials, 2018, 2, .	2.4	15
14	Revealing the 3D structure of graphene defects. 2D Materials, 2018, 5, 045029.	4.4	14
15	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
16	Automated Image Acquisition for Low-Dose STEM at Atomic Resolution. Microscopy and Microanalysis, 2017, 23, 809-817.	0.4	10
17	Endohedral Functionalization of Metallicity-Sorted Single-Walled Carbon Nanotubes. Proceedings (mdpi), 2020, 56, .	0.2	4
18	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

#	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