

# Andreas Johannes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5232969/publications.pdf>

Version: 2024-02-01

17  
papers

304  
citations

933447

10  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the 3D orientation of nanocrystals and nanostructures in human bone: Indications of novel structural features. <i>Science Advances</i> , 2020, 6, eaba171.	10.3	51
2	Overall Distribution of Rubidium in Highly Efficient Cu(In,Ga)Se <sub>2</sub> Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40592-40598.	8.0	44
3	In operando x-ray imaging of nanoscale devices: Composition, valence, and internal electrical fields. <i>Science Advances</i> , 2017, 3, eaao4044.	10.3	39
4	Shape manipulation of ion irradiated Ag nanoparticles embedded in lithium niobate. <i>Nanotechnology</i> , 2016, 27, 145202.	2.6	30
5	Magnetic Polarons and Large Negative Magnetoresistance in GaAs Nanowires Implanted with Mn Ions. <i>Nano Letters</i> , 2013, 13, 5079-5084.	9.1	26
6	Revealing the origin of the beneficial effect of cesium in highly efficient Cu(In,Ga)Se <sub>2</sub> solar cells. <i>Nano Energy</i> , 2020, 71, 104622.	16.0	25
7	Anomalous Plastic Deformation and Sputtering of Ion Irradiated Silicon Nanowires. <i>Nano Letters</i> , 2015, 15, 3800-3807.	9.1	23
8	Synthesis, Morphological, and Electro-optical Characterizations of Metal/Semiconductor Nanowire Heterostructures. <i>Nano Letters</i> , 2016, 16, 3507-3513.	9.1	14
9	Persistent ion beam induced conductivity in zinc oxide nanowires. <i>Applied Physics Letters</i> , 2011, 99, 252105.	3.3	13
10	Shaping and compositional modification of zinc oxide nanowires under energetic manganese ion irradiation. <i>Nanotechnology</i> , 2016, 27, 175301.	2.6	12
11	Combining <i>in operando</i> X-ray experiments and modelling to understand the heterogeneous lithiation of graphite electrodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4281-4290.	10.3	9
12	In-Operando Nanoscale X-ray Analysis Revealing the Local Electrical Properties of Rubidium-Enriched Grain Boundaries in Cu(In,Ga)Se <sub>2</sub> Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57117-57123.	8.0	7
13	Hot electrons in a nanowire hard X-ray detector. <i>Nature Communications</i> , 2020, 11, 4729.	12.8	4
14	Raman characterization of single-crystalline Ga <sub>0.96</sub> Mn <sub>0.04</sub> As:Zn nanowires realized by ion-implantation. <i>Nanotechnology</i> , 2019, 30, 335202.	2.6	3
15	Determination of the full deformation tensor by multi-Bragg fast scanning nano X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2020, 53, 99-106.	4.5	2
16	Evaluation of carrier density and mobility in Mn ion-implanted GaAs:Zn nanowires by Raman spectroscopy. <i>Nanotechnology</i> , 2020, 31, 205705.	2.6	2
17	Ion beam irradiation of nanostructures: sputtering, dopant incorporation, and dynamic annealing. <i>Semiconductor Science and Technology</i> , 2017, 32, 109401.	2.0	0