Andreas Johannes

List of Publications by Year
in descending order

17	304	933447 10	940533 16
papers	citations	h-index	g-index

18	18	18	634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combining operando X-ray experiments and modelling to understand the heterogeneous lithiation of graphite electrodes. Journal of Materials Chemistry A, 2021, 9, 4281-4290.	10.3	9
2	Determination of the full deformation tensor by multi-Bragg fast scanning nano X-ray diffraction. Journal of Applied Crystallography, 2020, 53, 99-106.	4.5	2
3	Hot electrons in a nanowire hard X-ray detector. Nature Communications, 2020, 11, 4729.	12.8	4
4	In-Operando Nanoscale X-ray Analysis Revealing the Local Electrical Properties of Rubidium-Enriched Grain Boundaries in Cu(In,Ga)Se₂ Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 57117-57123.	8.0	7
5	Mapping the 3D orientation of nanocrystals and nanostructures in human bone: Indications of novel structural features. Science Advances, 2020, 6, eaba4171.	10.3	51
6	Revealing the origin of the beneficial effect of cesium in highly efficient Cu(In,Ga)Se2 solar cells. Nano Energy, 2020, 71, 104622.	16.0	25
7	Evaluation of carrier density and mobility in Mn ion-implanted GaAs:Zn nanowires by Raman spectroscopy. Nanotechnology, 2020, 31, 205705.	2.6	2
8	Raman characterization of single-crystalline Ga0.96Mn0.04As:Zn nanowires realized by ion-implantation. Nanotechnology, 2019, 30, 335202.	2.6	3
9	Overall Distribution of Rubidium in Highly Efficient Cu(In,Ga)Se₂ Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 40592-40598.	8.0	44
10	Ion beam irradiation of nanostructures: sputtering, dopant incorporation, and dynamic annealing. Semiconductor Science and Technology, 2017, 32, 109401.	2.0	0
11	In operando x-ray imaging of nanoscale devices: Composition, valence, and internal electrical fields. Science Advances, 2017, 3, eaao4044.	10.3	39
12	Synthesis, Morphological, and Electro-optical Characterizations of Metal/Semiconductor Nanowire Heterostructures. Nano Letters, 2016, 16, 3507-3513.	9.1	14
13	Shaping and compositional modification of zinc oxide nanowires under energetic manganese ion irradiation. Nanotechnology, 2016, 27, 175301.	2.6	12
14	Shape manipulation of ion irradiated Ag nanoparticles embedded in lithium niobate. Nanotechnology, 2016, 27, 145202.	2.6	30
15	Anomalous Plastic Deformation and Sputtering of Ion Irradiated Silicon Nanowires. Nano Letters, 2015, 15, 3800-3807.	9.1	23
16	Magnetic Polarons and Large Negative Magnetoresistance in GaAs Nanowires Implanted with Mn Ions. Nano Letters, 2013, 13, 5079-5084.	9.1	26
17	Persistent ion beam induced conductivity in zinc oxide nanowires. Applied Physics Letters, 2011, 99, 252105.	3.3	13