

Alexander Haußmann

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tunable Non-Volatile Memory by Conductive Ferroelectric Domain Walls in Lithium Niobate Thin Films. Crystals, 2020, 10, 804.	2.2	19
2	Tuning Domain Wall Conductance in Lithium Niobate Thin-Films. , 2020, , .		0
3	Real-Time 3D Imaging of Nanoscale Ferroelectric Domain Wall Dynamics in Lithium Niobate Single Crystals under Electric Stimuli: Implications for Domain-Wall-Based Nanoelectronic Devices. ACS Applied Nano Materials, 2019, 2, 5787-5794.	5.0	38
4	Dipole-Tunneling Model from Asymmetric Domain-Wall Conductivity in LiNbO_3 Single Crystals. Physical Review Applied, 2018, 10, .	3.8	14
5	Resistor Network Modeling of Conductive Domain Walls in Lithium Niobate. Advanced Electronic Materials, 2018, 4, 1700242.	5.1	18
6	Enhancing the Domain Wall Conductivity in Lithium Niobate Single Crystals. ACS Nano, 2017, 11, 4816-4824.	14.6	99
7	Bottom-Up Assembly of Molecular Nanostructures by Means of Ferroelectric Lithography. Langmuir, 2017, 33, 475-484.	3.5	7
8	In Situ 3D Observation of the Domain Wall Dynamics in a Triglycine Sulfate Single Crystal upon Ferroelectric Phase Transition. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700267.	2.4	25
9	Polarization driven conductance variations at charged ferroelectric domain walls. Nanoscale, 2017, 9, 10933-10939.	5.6	16
10	Three-Dimensional, Time-Resolved Profiling of Ferroelectric Domain Wall Dynamics by Spectral-Domain Optical Coherence Tomography. Annalen Der Physik, 2017, 529, 1700139.	2.4	12
11	Advanced analysis of domain walls in Mg doped LiNbO_3 crystals with high resolution OCT. Optics Express, 2017, 25, 14871.	3.4	13
12	Real-time three-dimensional profiling of ferroelectric domain walls. Applied Physics Letters, 2015, 107, .	3.3	37
13	Nanoscale and macroscopic electrical ac transport along conductive domain walls in lithium niobate single crystals. Materials Research Express, 2014, 1, 035012.	1.6	38
14	Multiphoton photoluminescence contrast in switched Mg:LiNbO_3 and Mg:LiTaO_3 single crystals. Applied Physics Letters, 2014, 105, .	3.3	20
15	Multiphoton-induced luminescence contrast between antiparallel ferroelectric domains in Mg-doped LiNbO_3 . Journal of Applied Physics, 2014, 115, .	2.5	16
16	Optical three-dimensional profiling of charged domain walls in ferroelectrics by Cherenkov second-harmonic generation. Physical Review B, 2014, 89, .	3.2	95
17	Conducting Domain Walls in Lithium Niobate Single Crystals. Advanced Functional Materials, 2012, 22, 3936-3944.	14.9	250