

Alexander Haußmann

List of Publications by Year in descending order

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