

# Dixiong Wang

## List of Publications by Year in descending order

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18  
papers

425  
citations

933447

10  
h-index

996975

15  
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docs citations

18  
times ranked

465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-CMOS Compatible Aluminum Scandium Nitride/2D Channel Ferroelectric Field-Effect-Transistor Memory. Nano Letters, 2021, 21, 3753-3761.	9.1	83
2	Cold sintering and electrical characterization of lead zirconate titanate piezoelectric ceramics. APL Materials, 2018, 6, .	5.1	62
3	Ferroelectric Switching in Sub-20 nm Aluminum Scandium Nitride Thin Films. IEEE Electron Device Letters, 2020, 41, 1774-1777.	3.9	55
4	Aluminum scandium nitride-based metal-ferroelectric-metal diode memory devices with high on/off ratios. Applied Physics Letters, 2021, 118, .	3.3	49
5	Sub-Microsecond Polarization Switching in (Al,Sc)N Ferroelectric Capacitors Grown on Complementary Metal-Oxide-Semiconductor-Compatible Aluminum Electrodes. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000575.	2.4	39
6	27.4 Multi-Beam Shared-Inductor Reconfigurable Voltage/SECE-Mode Piezoelectric Energy Harvesting of Multi-Axial Human Motion. , 2019, , .		18
7	Ferroelectric C-Axis Textured Aluminum Scandium Nitride Thin Films of 100 nm Thickness. , 2020, , .		18
8	Bismuth niobate thin films for dielectric energy storage applications. Journal of the American Ceramic Society, 2018, 101, 3443-3451.	3.8	17
9	A Multi-Beam Shared-Inductor Reconfigurable Voltage/SECE Mode Piezoelectric Energy Harvesting Interface Circuit. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1277-1287.	4.0	13
10	In situ degradation studies of two-dimensional WSe <sub>2</sub> -graphene heterostructures. Nanoscale, 2015, 7, 14489-14495.	5.6	12
11	Model for the cold sintering of lead zirconate titanate ceramic composites. Journal of the American Ceramic Society, 2020, 103, 4894-4902.	3.8	12
12	Nanoscale Structural and Chemical Properties of Ferroelectric Aluminum Scandium Nitride Thin Films. Journal of Physical Chemistry C, 2021, 125, 14394-14400.	3.1	11
13	Electrical breakdown strength enhancement in aluminum scandium nitride through a compositionally modulated periodic multilayer structure. Journal of Applied Physics, 2021, 130, .	2.5	11
14	Comparison of different sintering aids in cold sinter-assisted densification of lead zirconate titanate. Journal of the American Ceramic Society, 2021, 104, 5479-5488.	3.8	10
15	Fabrication of bimorph lead zirconate titanate thick films on metal substrates via the cold sintering-assisted process. Acta Materialia, 2020, 195, 482-490.	7.9	9
16	Cold Sintering of PZT 2-2 Composites for High Frequency Ultrasound Transducer Arrays. Actuators, 2021, 10, 235.	2.3	4
17	Experiments on a wireless power transfer system for wearable device with sol-gel thin-film PZT. Journal of Physics: Conference Series, 2019, 1407, 012063.	0.4	2
18	Strain Engineering in Aluminum Scandium Nitride Thin Film using Four-dimensional Scanning Transmission Electron Microscopy (4D-STEM) Technique. Microscopy and Microanalysis, 2021, 27, 2204-2205.	0.4	0