Sahar Seremi

List of Publications by Year
in descending order

28 papers	1,605 citations	304602 22 h-index	501076 28 g-index
29 all docs	29 docs citations	29 times ranked	2444 citing authors

#	Article	IF	Citations
1	Observation of room-temperature polar skyrmions. Nature, 2019, 568, 368-372.	13.7	417
2	Ultrahigh capacitive energy density in ion-bombarded relaxor ferroelectric films. Science, 2020, 369, 81-84.	6.0	184
3	New modalities of strain-control of ferroelectric thin films. Journal of Physics Condensed Matter, 2016, 28, 263001.	0.7	86
4	Local negative permittivity and topological phase transition in polar skyrmions. Nature Materials, 2021, 20, 194-201.	13.3	86
5	Resonant domain-wall-enhanced tunable microwave ferroelectrics. Nature, 2018, 560, 622-627.	13.7	82
6	Threeâ€€state Ferroelastic Switching and Large Electromechanical Responses in PbTiO₃ Thin Films. Advanced Materials, 2017, 29, 1702069.	11.1	74
7	Nonstoichiometry, Structure, and Properties of BiFeO₃ Films. Chemistry of Materials, 2016, 28, 5952-5961.	3.2	54
8	Enhanced Electrical Resistivity and Properties via Ion Bombardment of Ferroelectric Thin Films. Advanced Materials, 2016, 28, 10750-10756.	11.1	52
9	Reducing Coercive-Field Scaling in Ferroelectric Thin Films via Orientation Control. ACS Nano, 2018, 12, 4736-4743.	7.3	47
10	Kinetic control of tunable multi-state switching in ferroelectric thin films. Nature Communications, 2019, 10, 1282.	5.8	47
11	Mechanical-force-induced non-local collective ferroelastic switching in epitaxial lead-titanate thin films. Nature Communications, 2019, 10, 3951.	5.8	43
12	Giant Polarization Sustainability in Ultrathin Ferroelectric Films Stabilized by Charge Transfer. Advanced Materials, 2017, 29, 1703543.	11.1	42
13	Giant Superelastic Piezoelectricity in Flexible Ferroelectric BaTiO₃ Membranes. ACS Nano, 2020, 14, 5053-5060.	7.3	34
14	Local control of defects and switching properties in ferroelectric thin films. Physical Review Materials, 2018, 2, .	0.9	34
15	Ferroelectricity in Pb_{1+Î´}ZrO₃ Thin Films. Chemistry of Materials, 2017, 29, 6544-6551.	3.2	32
16	Pressurizing Field-Effect Transistors of Few-Layer MoS₂ in a Diamond Anvil Cell. Nano Letters, 2017, 17, 194-199.	4.5	31
17	Piezoresponse amplitude and phase quantified for electromechanical characterization. Journal of Applied Physics, 2020, 128, .	1.1	31
18	Designing Optimal Perovskite Structure for High Ionic Conduction. Advanced Materials, 2020, 32, e1905178.	11.1	30

#	Article	IF	Citations
19	Electronic Transport and Ferroelectric Switching in Ionâ€Bombarded, Defectâ€Engineered BiFeO₃ Thin Films. Advanced Materials Interfaces, 2018, 5, 1700991.	1.9	29
20	Epitaxial Strain Control of Relaxor Ferroelectric Phase Evolution. Advanced Materials, 2019, 31, e1901060.	11.1	29
21	Defectâ€Enhanced Polarization Switching in the Improper Ferroelectric LuFeO₃. Advanced Materials, 2020, 32, e2000508.	11.1	25
22	Defect-Induced (Dis)Order in Relaxor Ferroelectric Thin Films. Physical Review Letters, 2019, 123, 207602.	2.9	23
23	Electronic Structure and Band Alignment of LaMnO₃/SrTiO₃ Polar/Nonpolar Heterojunctions. Advanced Materials Interfaces, 2019, 6, 1801428.	1.9	22
24	Frontiers in strain-engineered multifunctional ferroic materials. MRS Communications, 2016, 6, 151-166.	0.8	17
25	Large Polarization and Susceptibilities in Artificial Morphotropic Phase Boundary PbZr_{1â^'}_xTi_xO₃ Superlattices. Advanced Electronic Materials, 2020, 6, 1901395.	2.6	17
26	Nonstoichiometry, structure, and properties of Ba_{1â^'x}TiO_ythin films. Journal of Materials Chemistry C, 2018, 6, 10751-10759.	2.7	16
27	Finite-size effects in lead scandium tantalate relaxor thin films. Physical Review B, 2020, 101, .	1.1	11
28	Ferroelectric properties of ion-irradiated bismuth ferrite layers grown via molecular-beam epitaxy. APL Materials, 2019, 7, .	2.2	10