Jens Kreisel

List of Publications by Year
in descending order

25 papers	1,172 citations	471509 17 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1989 citing authors

#	Article	IF	Citations
1	Rare-earth nickelatesRNiO₃: thin films and heterostructures. Reports on Progress in Physics, 2018, 81, 046501.	20.1	291
2	Raman spectroscopy of rare-earth orthoferrites <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mi>FeO</mml:mi><mml:m (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>R</mml:mi></mml:math>) Tj ETQq0 0 0 rgBT /Overlock 1	3.2	159
3	Domain-wall engineering and topological defects in ferroelectric and ferroelastic materials. Nature Reviews Physics, 2020, 2, 634-648.	26.6	154
4	Effect of tensile and compressive strains on the transport properties of SmNiO3 layers epitaxially grown on (001) SrTiO3 and LaAlO3 substrates. Applied Physics Letters, 2007, 91, .	3.3	69
5	Conductivity and Local Structure of LaNiO₃ Thin Films. Advanced Materials, 2017, 29, 1605197.	21.0	63
6	Multiple strain-induced phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LaNi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>thin films. Physical Review B, 2016, 94, .	3.2	54
7	Accelerated Ionic Motion in Amorphous Memristor Oxides for Nonvolatile Memories and Neuromorphic Computing. Advanced Functional Materials, 2019, 29, 1804782.	14.9	51
8	Increasing bulk photovoltaic current by strain tuning. Science Advances, 2019, 5, eaau9199.	10.3	46
9	Jahn-Teller, Polarity, and Insulator-to-Metal Transition in BiMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>at High Pressure. Physical Review Letters, 2014, 112, 075501.	7.8	43
10	Lattice dynamics and Raman spectrum of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaZrO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>single crystals. Physical Review B, 2019, 100, .	3.2	25
11	Investigation of strain relaxation mechanisms and transport properties in epitaxial SmNiO3 films. Journal of Applied Physics, 2008, 103, 123501.	2.5	22
12	Low energy electron imaging of domains and domain walls in magnesium-doped lithium niobate. Scientific Reports, 2016, 6, 33098.	3.3	22
13	The role of strain-induced structural changes in the metalâ€“insulator transition in epitaxial SmNiO₃films. Journal of Physics Condensed Matter, 2008, 20, 145216.	1.8	21
14	Control of surface potential at polar domain walls in a nonpolar oxide. Physical Review Materials, 2017, 1, .	2.4	20
15	Emerging spinâ€“phonon coupling through cross-talk of two magnetic sublattices. Nature Communications, 2022, 13, 443.	12.8	20
16	Evolution of defect signatures at ferroelectric domain walls in Mg-doped LiNbO₃. Physica Status Solidi - Rapid Research Letters, 2016, 10, 222-226.	2.4	19
17	Role of the ferroelastic strain in the optical absorption of BiVO4. APL Materials, 2020, 8, .	5.1	17
18	Order-parameter symmetries of domain walls in ferroelectrics and ferroelastics. Physical Review B, 2014, 89, .	3.2	16

#	Article	IF	Citations
19	SmNiO 3 / NdNiO 3 thin film multilayers. Applied Physics Letters, 2011, 98, .	3.3	14
20	Vibrational properties of LaNiO3 films in the ultrathin regime. APL Materials, 2020, 8, .	5.1	13
21	Magnetostructural coupling in RFeO3 (Râ€‰=â€‰Nd, Tb, Eu and Gd). Scientific Reports, 2022, 12, .	3.3	9
22	Temperature-dependent photo-response in multiferroic BiFeO3 revealed by transmission measurements. Journal of Applied Physics, 2019, 125, .	2.5	6
23	Patterning enhanced tetragonality in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Bi</mml:mi><mml:mi>Fe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> thin films with effective negative pressure by helium implantation. Physical Review Materials, 2021, 5, .	2.4	6
24	Crossover between distinct symmetries in solid solutions of rare earth nickelates. APL Materials, 2021, 9, .	5.1	6
25	Optical spectroscopy on the photo-response in multiferroic BiFeO3 at high pressure. Journal of Applied Physics, 2019, 126, 164103.	2.5	1