

# Jens Kreisel

## List of Publications by Year in descending order

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25  
papers

1,172  
citations

471509

17  
h-index

552781

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26  
all docs

26  
docs citations

26  
times ranked

1989  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging spin-phonon coupling through cross-talk of two magnetic sublattices. Nature Communications, 2022, 13, 443.	12.8	20
2	Magnetostructural coupling in RFeO <sub>3</sub> (R = Nd, Tb, Eu and Gd). Scientific Reports, 2022, 12, .	3.3	9
3	Patterning enhanced tetragonality in BiFeO <sub>3</sub> thin films with effective negative pressure by helium implantation. Physical Review Materials, 2021, 5, .	2.4	6
4	Crossover between distinct symmetries in solid solutions of rare earth nickelates. APL Materials, 2021, 9, .	5.1	6
5	Domain-wall engineering and topological defects in ferroelectric and ferroelastic materials. Nature Reviews Physics, 2020, 2, 634-648.	26.6	154
6	Role of the ferroelastic strain in the optical absorption of BiVO <sub>4</sub> . APL Materials, 2020, 8, .	5.1	17
7	Vibrational properties of LaNiO <sub>3</sub> films in the ultrathin regime. APL Materials, 2020, 8, .	5.1	13
8	Optical spectroscopy on the photo-response in multiferroic BiFeO <sub>3</sub> at high pressure. Journal of Applied Physics, 2019, 126, 164103.	2.5	1
9	Lattice dynamics and Raman spectrum of BaZrO <sub>3</sub> single crystals. Physical Review B, 2019, 100, .	2.5	1
10	Increasing bulk photovoltaic current by strain tuning. Science Advances, 2019, 5, eaau9199.	10.3	46
11	Temperature-dependent photo-response in multiferroic BiFeO <sub>3</sub> revealed by transmission measurements. Journal of Applied Physics, 2019, 125, .	2.5	6
12	Accelerated Ionic Motion in Amorphous Memristor Oxides for Nonvolatile Memories and Neuromorphic Computing. Advanced Functional Materials, 2019, 29, 1804782.	14.9	51
13	Rare-earth nickelates RNiO <sub>3</sub> : thin films and heterostructures. Reports on Progress in Physics, 2018, 81, 046501.	20.1	291
14	Conductivity and Local Structure of LaNiO <sub>3</sub> Thin Films. Advanced Materials, 2017, 29, 1605197.	21.0	63
15	Control of surface potential at polar domain walls in a nonpolar oxide. Physical Review Materials, 2017, 1, .	2.4	20
16	Evolution of defect signatures at ferroelectric domain walls in Mg-doped LiNbO <sub>3</sub> . Physica Status Solidi - Rapid Research Letters, 2016, 10, 222-226.	2.4	19
17	Raman spectroscopy of rare-earth orthoferrites RFeO <sub>3</sub> (R = Tb, Dy, Ho, Er, Tm, Yb, Lu) Tj ETQq1 10.7843141rgBT / DV	3.9	159
18	Multiple strain-induced phase transitions in LaNiO <sub>3</sub> thin films. Physical Review B, 2016, 94, .	3.2	54

#	ARTICLE	IF	CITATIONS
19	Low energy electron imaging of domains and domain walls in magnesium-doped lithium niobate. Scientific Reports, 2016, 6, 33098.	3.3	22
20	Order-parameter symmetries of domain walls in ferroelectrics and ferroelastics. Physical Review B, 2014, 89, .	3.2	16
21	Jahn-Teller, Polarity, and Insulator-to-Metal Transition in BiMnO <sub>3</sub> at High Pressure. Physical Review Letters, 2014, 112, 075501.	7.8	43
22	SmNiO <sub>3</sub> / NdNiO <sub>3</sub> thin film multilayers. Applied Physics Letters, 2011, 98, .	3.3	14
23	Investigation of strain relaxation mechanisms and transport properties in epitaxial SmNiO <sub>3</sub> films. Journal of Applied Physics, 2008, 103, 123501.	2.5	22
24	The role of strain-induced structural changes in the metal-insulator transition in epitaxial SmNiO <sub>3</sub> films. Journal of Physics Condensed Matter, 2008, 20, 145216.	1.8	21
25	Effect of tensile and compressive strains on the transport properties of SmNiO <sub>3</sub> layers epitaxially grown on (001) SrTiO <sub>3</sub> and LaAlO <sub>3</sub> substrates. Applied Physics Letters, 2007, 91, .	3.3	69