

V Hugo Schmidt

List of Publications by Year in descending order

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53
papers

918
citations

567144

15
h-index

454834

30
g-index

55
all docs

55
docs citations

55
times ranked

454
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Photovoltaic and Photosensing Performances in Bismuth Ferrite via Polar Order Engineering. ACS Applied Electronic Materials, 2020, 2, 3773-3782.	2.0	17
2	KDP-type crystal spontaneous polarization behavior better explained by bound charge semiconductor model than by mean field model. Ferroelectrics, 2020, 569, 70-81.	0.3	0
3	Impedance spectroscopy of bismuth sodium titanate: Barium titanate ceramics with manganese doping. Journal of the American Ceramic Society, 2018, 101, 713-722.	1.9	4
4	Raman Vibrations, Domain Structures, and Photovoltaic Effects in A-site La-modified BiFeO ₃ Multiferroic Ceramics. Journal of the American Ceramic Society, 2016, 99, 674-681.	1.9	20
5	Structural stability and depolarization of manganese-doped (Bi _{0.5} Na _{0.5}) ^{1-x} Ba _x TiO ₃ relaxor ferroelectrics. Journal of Applied Physics, 2014, 116, .	1.1	25
6	Photo-Induced Electric Responses in Heterostructure of Indium Tin Oxide/(Bi _{1-x} Ca _x) ₂ FeO ₅ /Au. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	2
7	Protonic and Electronic Conduction in Proton Conductive Solid Oxide Fuel Cells. Materials Research Society Symposia Proceedings, 2011, 1330, 40501.	0.1	1
8	Field-Induced Phase Transitions in Relaxor Ferroelectrics. Ferroelectrics, 2010, 400, 402-409.	0.3	1
9	Nanotwin and phase transformation in tetragonal Pb(Fe _{1/2} Nb _{1/2}) ^{1-x} Ti _x O ₃ single crystal. Journal of Applied Physics, 2008, 104, 054106.	1.1	6
10	Piezoelectric response and origin in (001) Pb(Mg _{1/3} Nb _{2/3}) _{0.70} Ti _{0.30} O ₃ crystal. Applied Physics Letters, 2008, 93, .	1.5	12
11	Electric Field- and Temperature-Induced Phase Transitions in High-Strain Relaxor-Based Ferroelectric Pb(Mg _{1/3} Nb _{2/3}) _{1-x} Ti _x O ₃ Single Crystals. Ferroelectrics, 2007, 359, 99-110.	0.3	0
12	Field-induced orientational percolation to a ferroelectric phase in relaxor Pb(In ^{1/2} Nb ^{1/2}) ^{1-x} Ti _x O ₃ . Physical Review B, 2007, 75, .	1.1	15
13	Temperature-Dependent Phase Transitions in Pb(Zn _{1/3} Nb _{2/3}) _{0.93} Ti _{0.07} O ₃ Crystal. Ferroelectrics, 2006, 339, 115-120.	0.3	5
14	Electric-field effects of dielectric and optical properties in Pb(Mg ^{1/3} Nb ^{2/3}) _{0.65} Ti _{0.35} O ₃ crystal. Journal of Applied Physics, 2005, 97, 064112.	1.1	20
15	Temperature- and electric-field-dependent polarization rotations in (211)-cut Pb(Mg ^{1/3} Nb ^{2/3}) _{0.69} Ti _{0.31} O ₃ (PMNT31%) single crystal. Journal of Applied Physics, 2004, 96, 4411-4415.	1.1	11
16	E-field-induced polarization rotation in Pb(Mg _{1/3} Nb _{2/3}) ^{1-x} Ti _x O ₃ crystal. Applied Physics Letters, 2003, 83, 1833-1835.	1.5	38
17	Phase transformation via a monoclinic phase in relaxor-based ferroelectric crystal (PbMg _{1/3} Nb _{2/3} O ₃) ^{1-x} (PbTiO ₃) _x . Physical Review B, 2003, 67, .	1.1	40
18	Polarization Rotation and Monoclinic Phase in Relaxor Ferroelectric PMN-PT Crystal. AIP Conference Proceedings, 2003, , .	0.3	13

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19	Fractal Model for Dielectric Relaxation in Deuteron Pseudospin Glass DRADP. AIP Conference Proceedings, 2002, , .	0.3	0
20	Orientation-Dependent Dielectric Anomalies in Relaxor-Based Crystal $(\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3)_{0.68}(\text{PbTiO}_3)_{0.32}$ (PMN-32%PT). Materials Research Society Symposia Proceedings, 2002, 718, 1.	0.1	0
21	Phase transitions and domain structures in relaxor-based ferroelectric $(\text{PbZn}_{1/3}\text{Nb}_{2/3}\text{O}_3)_{0.915}(\text{PbTiO}_3)_{0.085}$ single crystal. Ferroelectrics, Letters Section, 2001, 28, 115-121.	0.4	0
22	Pressure-induced crossover from long-to-short-range order in $[\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3}\text{O}_3)]_{0.905}(\text{PbTiO}_3)_{0.095}$ single crystal. Applied Physics Letters, 2000, 76, 1327-1329.	1.5	52
23	Phases in antiferroelectric-side $\text{Rb}_{1-x}(\text{ND}_4)_x\text{D}_2\text{AsO}_4$ crystals studied by complex permittivity. Ferroelectrics, 1999, 227, 141-151.	0.3	0
24	NMR Spin lattice relaxation study of $\text{Cs}_{1-x}(\text{NH}_4)_x\text{H}_2\text{PO}_4$. Ferroelectrics, 1997, 202, 167-171.	0.3	0
25	Monte Carlo stochastic-dynamics study of dielectric response and nonergodicity in proton glass. Physical Review B, 1996, 54, 842-848.	1.1	19
26	Hypersound anomalies and elastic constants in single crystal $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ by Brillouin scattering. Journal of Applied Physics, 1995, 78, 5665-5668.	1.1	45
27	Dielectric and EPR measurements of the deuterated glass D-RADA $x = 0.46$. Ferroelectrics, 1994, 156, 371-376.	0.3	8
28	Nonergodicity in drada deuteron glass. Ferroelectrics, 1994, 151, 257-262.	0.3	2
29	Spontaneous polarization in the deuterated and undeuterated proton glass $\text{Rb}_{1-x}(\text{NH}_4)_x\text{H}_2\text{AsO}_4$. Ferroelectrics, 1993, 141, 207-213.	0.3	11
30	Deuteron NMR study of ferroelectric transition in VF ₂ /TrFE copolymer. Ferroelectrics, 1991, 117, 149-155.	0.3	3
31	¹³³ Cs NMR study of the ferroelectric and antiferroelectric transitions in CsH_2PO_4 . Ferroelectrics, 1991, 117, 35-51.	0.3	0
32	Phase transitions in KH_2PO_4 and RbH_2PO_4 to 14 GPa observed by capacitance change in a diamond anvil cell. Journal of Applied Physics, 1991, 70, 6804-6808.	1.1	29
33	Anomalies of hypersonic velocity and attenuation in vinylidene fluoride-trifluoroethylene copolymer from Brillouin scattering. Applied Physics Letters, 1990, 57, 2196-2198.	1.5	4
34	Brillouin spectroscopic studies of VF ₂ /TFE copolymers. Ferroelectrics, 1990, 112, 237-243.	0.3	1
35	Dielectric relaxation mechanism for proton glass. Ferroelectrics, 1988, 78, 207-214.	0.3	24
36	Ferroelectric research at the university of washington during the period 1955-70. Ferroelectrics, 1987, 74, 293-300.	0.3	0

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37	Review of order-disorder models for KDP-family crystals. <i>Ferroelectrics</i> , 1987, 72, 157-173.	0.3	72
38	Brillouin scattering near the ferroelectric phase transition in TSCC. <i>Ferroelectrics</i> , 1985, 63, 107-114.	0.3	1
39	Slater-senko model for CsH_2PO_4 . <i>Ferroelectrics</i> , 1984, 53, 223-226.	0.3	1
40	Magnetic pendulum apparatus for analog demonstration of first-order and second-order phase transitions and tricritical points. <i>American Journal of Physics</i> , 1984, 52, 39-43.	0.3	10
41	PVF2 bimorphs as active elements in wind generators. <i>Ferroelectrics</i> , 1983, 51, 105-110.	0.3	12
42	High-pressure-low-temperature apparatus for NMR study of phase transitions. <i>Review of Scientific Instruments</i> , 1982, 53, 1724-1726.	0.6	12
43	Cluster model for Tris-sarcosine calcium chloride (TSCC) describing order-disorder and displacive features of its ferroelectric transition and its pressure-induced transition to an antiferroelectric phase. <i>Ferroelectrics</i> , 1981, 39, 1151-1154.	0.3	10
44	Pressure dependence of ferroelectric transition temperature in TSCC. <i>Ferroelectrics</i> , 1980, 29, 229-234.	0.3	8
45	Hydrostatic optical cell with simple window structure for low temperature and hydrostatic pressure up to 5 kilobars. <i>Review of Scientific Instruments</i> , 1978, 49, 1226-1227.	0.6	9
46	Tricritical Point in KH_2PO_4 . <i>Physical Review Letters</i> , 1976, 37, 839-842.	2.9	84
47	One-dimensional model for cooperative hydrogen motion in ferroelectric crystals. <i>Ferroelectrics</i> , 1974, 7, 199-200.	0.3	3
48	Deuteron NMR Study of Lithium Hydrazinium Sulfate. <i>Journal of Chemical Physics</i> , 1969, 51, 1983-1987.	1.2	16
49	Ferroelectricity Experiment for Advanced Laboratory. <i>American Journal of Physics</i> , 1969, 37, 351-354.	0.3	7
50	Sensitive Low Level Transistorized NMR Spectrometer Employing Frequency Modulation. <i>Review of Scientific Instruments</i> , 1966, 37, 1020-1023.	0.6	7
51	Deuteron Intrabond Motion and Ferroelectricity in KD_2PO_4 . <i>Physical Review</i> , 1964, 133, A165-A170.	2.7	120
52	Random Motion of Deuterons in KD_2PO_4 . <i>Physical Review</i> , 1962, 126, 447-457.	2.7	118
53	Pressure and Gas Concentration Effects on Voltage vs. Current Characteristics of a Solid Oxide Fuel Cell and Electrolyzer. <i>Ceramic Engineering and Science Proceedings</i> , 0, , 105-115.	0.1	0