

# V Hugo Schmidt

## List of Publications by Year in descending order

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53  
papers

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citations

567144

15  
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454834

30  
g-index

55  
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55  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Deuteron Intrabond Motion and Ferroelectricity in KD <sub>2</sub> PO <sub>4</sub> . Physical Review, 1964, 133, A165-A170.	2.7	120
2	Random Motion of Deuterons in KD <sub>2</sub> PO <sub>4</sub> . Physical Review, 1962, 126, 447-457.	2.7	118
3	Tricritical Point in KH <sub>2</sub> PO <sub>4</sub> . Physical Review Letters, 1976, 37, 839-842.	2.9	84
4	Review of order-disorder models for KDP-family crystals. Ferroelectrics, 1987, 72, 157-173.	0.3	72
5	Pressure-induced crossover from long-to-short-range order in [Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ] <sub>0.905</sub> (PbTiO <sub>3</sub> ) <sub>0.095</sub> single crystal. Applied Physics Letters, 2000, 76, 1327-1329.	1.5	52
6	Hypersound anomalies and elastic constants in single-crystal PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> by Brillouin scattering. Journal of Applied Physics, 1995, 78, 5665-5668.	1.1	45
7	Phase transformation via a monoclinic phase in relaxor-based ferroelectric crystal (PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> ) <sub>1-x</sub> (PbTiO <sub>3</sub> ) <sub>x</sub> . Physical Review B, 2003, 67, .	1.1	40
8	E-field-induced polarization rotation in Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> crystal. Applied Physics Letters, 2003, 83, 1833-1835.	1.5	38
9	Phase transitions in KH <sub>2</sub> PO <sub>4</sub> and RbH <sub>2</sub> PO <sub>4</sub> to 14 GPa observed by capacitance change in a diamond anvil cell. Journal of Applied Physics, 1991, 70, 6804-6808.	1.1	29
10	Structural stability and depolarization of manganese-doped (Bi <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>1-x</sub> Ba <sub>x</sub> TiO <sub>3</sub> relaxor ferroelectrics. Journal of Applied Physics, 2014, 116, .	1.1	25
11	Dielectric relaxation mechanism for proton glass. Ferroelectrics, 1988, 78, 207-214.	0.3	24
12	Electric-field effects of dielectric and optical properties in Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.65</sub> Ti <sub>0.35</sub> O <sub>3</sub> crystal. Journal of Applied Physics, 2005, 97, 064112.	1.1	20
13	Raman Vibrations, Domain Structures, and Photovoltaic Effects in Site La-Modified BiFeO <sub>3</sub> Multiferroic Ceramics. Journal of the American Ceramic Society, 2016, 99, 674-681.	1.9	20
14	Monte Carlo stochastic-dynamics study of dielectric response and nonergodicity in proton glass. Physical Review B, 1996, 54, 842-848.	1.1	19
15	Enhancing Photovoltaic and Photosensing Performances in Bismuth Ferrite via Polar Order Engineering. ACS Applied Electronic Materials, 2020, 2, 3773-3782.	2.0	17
16	Deuteron NMR Study of Lithium Hydrazinium Sulfate. Journal of Chemical Physics, 1969, 51, 1983-1987.	1.2	16
17	Field-induced orientational percolation to a ferroelectric phase in relaxor Pb(In <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> . Physical Review B, 2007, 75, .	1.1	15
18	Polarization Rotation and Monoclinic Phase in Relaxor Ferroelectric PMN-PT Crystal. AIP Conference Proceedings, 2003, , .	0.3	13

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19	High-pressure-low-temperature apparatus for NMR study of phase transitions. Review of Scientific Instruments, 1982, 53, 1724-1726.	0.6	12
20	PVF2 bimorphs as active elements in wind generators. Ferroelectrics, 1983, 51, 105-110.	0.3	12
21	Piezoelectric response and origin in (001) $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.7}\text{Ti}_{0.3}\text{O}_3$ crystal. Applied Physics Letters, 2008, 93, .	1.5	12
22	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
23	Temperature- and electric-field-dependent polarization rotations in (211)-cut $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.69}\text{Ti}_{0.31}\text{O}_3$ (PMNT31%) single crystal. Journal of Applied Physics, 2004, 96, 4411-4415.	1.1	11
24	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. Ferroelectrics, 1981, 39, 1151-1154.	0.3	10
25	Magnetic pendulum apparatus for analog demonstration of first-order and second-order phase transitions and tricritical points. American Journal of Physics, 1984, 52, 39-43.	0.3	10
26	Hydrostatic optical cell with simple window structure for low temperature and hydrostatic pressure up to 5 kilobars. Review of Scientific Instruments, 1978, 49, 1226-1227.	0.6	9
27	Pressure dependence of ferroelectric transition temperature in TSCC. Ferroelectrics, 1980, 29, 229-234.	0.3	8
28	Dielectric and EPR measurements of the deuterated glass D-RADA $x = 0.46$ . Ferroelectrics, 1994, 156, 371-376.	0.3	8
29	Sensitive Low Level Transistorized NMR Spectrometer Employing Frequency Modulation. Review of Scientific Instruments, 1966, 37, 1020-1023.	0.6	7
30	Ferroelectricity Experiment for Advanced Laboratory. American Journal of Physics, 1969, 37, 351-354.	0.3	7
31	Nanotwin and phase transformation in tetragonal $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})_{1-x}\text{Ti}_x\text{O}_3$ single crystal. Journal of Applied Physics, 2008, 104, 054106.	1.1	6
32	Temperature-Dependent Phase Transitions in $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})_{0.93}\text{Ti}_{0.07}\text{O}_3$ Crystal. Ferroelectrics, 2006, 339, 115-120.	0.3	5
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	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
35	One-dimensional model for cooperative hydrogen motion in ferroelectric crystals. Ferroelectrics, 1974, 7, 199-200.	0.3	3
36	Deuteron NMR study of ferroelectric transition in VF2/TrFE copolymer. Ferroelectrics, 1991, 117, 149-155.	0.3	3

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37	Nonergodicity in drada deuteron glass. <i>Ferroelectrics</i> , 1994, 151, 257-262.	0.3	2
38	Photo-Induced Electric Responses in Heterostructure of Indium Tin Oxide/(Bi <sub>1-x</sub> Ca <sub>x</sub> ) $\text{FeO}_{\mathbf{3}}$ - $\delta$ /Au. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	2
39	Slater-senko model for CsH <sub>2</sub> PO <sub>4</sub> . <i>Ferroelectrics</i> , 1984, 53, 223-226.	0.3	1
40	Brillouin scattering near the ferroelectric phase transition in TSCC. <i>Ferroelectrics</i> , 1985, 63, 107-114.	0.3	1
41	Brillouin spectroscopic studies of VF <sub>2</sub> /TFE copolymers. <i>Ferroelectrics</i> , 1990, 112, 237-243.	0.3	1
42	Field-Induced Phase Transitions in Relaxor Ferroelectrics. <i>Ferroelectrics</i> , 2010, 400, 402-409.	0.3	1
43	Protonic and Electronic Conduction in Proton Conductive Solid Oxide Fuel Cells. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1330, 40501.	0.1	1
44	Ferroelectric research at the university of washington during the period 1955-70. <i>Ferroelectrics</i> , 1987, 74, 293-300.	0.3	0
45	<sup>133</sup> Cs NMR study of the ferroelectric and antiferroelectric transitions in CsH <sub>2</sub> PO <sub>4</sub> . <i>Ferroelectrics</i> , 1991, 117, 35-51.	0.3	0
46	NMR Spin lattice relaxation study of Cs <sub>1-x</sub> (NH <sub>4</sub> )XH <sub>2</sub> PO <sub>4</sub> . <i>Ferroelectrics</i> , 1997, 202, 167-171.	0.3	0
47	Phases in antiferroelectric-side Rb <sub>1-x</sub> (ND <sub>4</sub> ) <sub>2</sub> AsO <sub>4</sub> crystals studied by complex permittivity. <i>Ferroelectrics</i> , 1999, 227, 141-151.	0.3	0
48	Phase transitions and domain structures in relaxor-based ferroelectric (PbZn <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> ) <sub>0.915</sub> (PbTiO <sub>3</sub> ) <sub>0.085</sub> single crystal. <i>Ferroelectrics, Letters Section</i> , 2001, 28, 115-121.	0.4	0
49	Fractal Model for Dielectric Relaxation in Deuteron Pseudospin Glass DRADP. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	0
50	Orientation-Dependent Dielectric Anomalies in Relaxor-Based Crystal (PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> ) <sub>0.68</sub> (PbTiO <sub>3</sub> ) <sub>0.32</sub> (PMN-32%PT). <i>Materials Research Society Symposia Proceedings</i> , 2002, 718, 1.	0.1	0
51	Electric Field- and Temperature-Induced Phase Transitions in High-Strain Relaxor-Based Ferroelectric Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> Single Crystals. <i>Ferroelectrics</i> , 2007, 359, 99-110.	0.3	0
52	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
53	KDP-type crystal spontaneous polarization behavior better explained by bound charge semiconductor model than by mean field model. <i>Ferroelectrics</i> , 2020, 569, 70-81.	0.3	0