Pierre Saint-Gregoire

List of Publications by Year
in descending order

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97	784	567281 15	642732 23
papers	citations	h-index	g-index

104	104	104	544
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soft modes and phonon interactions in studied by neutron scattering. European Physical Journal B, 1998, 5, 169-178.	1.5	41
2	The influence of X-ray radiation damage on the incommensurate phase in (N(CH3)4)2ZnCl4. Journal of Physics C: Solid State Physics, 1987, 20, 2635-2645.	1.5	38
3	Soft modes and phonon interactions in studied by means of neutron scattering. Journal of Physics Condensed Matter, 1998, 10, 4811-4844.	1.8	38
4	Synthesis and phase transitions of iron phosphate. Ferroelectrics, 2000, 241, 255-262.	0.6	37
5	Electron microscopy study of the modulated phases in berlinite AlPO4 and quartz. Journal De Physique, 1986, 47, 2041-2053.	1.8	35
6	Thermal and dielectric behaviors of poly(vinylidene fluoride-trifluoroethylene) copolymers at the curie transition. Journal of Polymer Science, Part B: Polymer Physics, 1989, 27, 709-722.	2.1	30
7	Birefringence study of the Î±-Î² transformation of berlinite, AlPO4. Journal of Physics C: Solid State Physics, 1984, 17, 1375-1383.	1.5	26
8	Calorimetric and neutron scattering studies of the incommensurate phase of berlinite (AlPO4). Solid State Communications, 1984, 51, 55-58.	1.9	26
9	Structural instabilities in the (TEA)2m Cl4crystalline family: A DSC study. Ferroelectrics, Letters Section, 1995, 19, 69-74.	1.0	23
10	Structural study of the ferroelectric instability in Sn P Se. European Physical Journal B, 1999, 8, 169-177.	1.5	19
11	Thermal and dielectric investigations of the curie transition in Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (fluo	1.3	18
12	A novel type of incommensurate phase in quartz: The elongated-triangle phase. JETP Letters, 1996, 64, 410-415.	1.4	17
13	Ferroelastic phase transition inCs3Bi2I9: A neutron diffraction study. Physical Review B, 2000, 61, 3857-3862.	3.2	17
14	On the incommensurate phase in BaMnF4: sample dependence of the order parameter. Journal De Physique, 1988, 49, 463-469.	1.8	17
15	Barium manganese fluoride BaMnF4 as an improper ferroelastic. Ferroelectrics, 1986, 67, 15-21.	0.6	15
16	New Gadolinium Based Ferroelectric Phases Derived from the Tetragonal Tungsten Bronze (TTB). Ferroelectrics, 2003, 291, 133-139.	0.6	15
17	From normal ferroelectric transition to relaxor behavior in Aurivillius ferroelectric ceramics. Journal of Materials Science, 2014, 49, 7437-7444.	3.7	15
18	A new ferroelectric compound: PbK2LiNb5O15. Ferroelectrics, 2001, 254, 197-204.	0.6	14

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19	scattering study of ferroelectric Sn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>P<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>S<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	3.2	14
20	Vibrational analysis on two-layer Aurivillius phase Sr1â^'xBaxBi2Nb2O9 using Raman spectroscopy. Vibrational Spectroscopy, 2015, 77, 1-4.	2.2	14
21	High-temperature phase transitions in incommensurate Rb2WO4. Journal of Physics Condensed Matter, 2000, 12, 9307-9315.	1.8	13
22	Incommensurate phase and transitions in {(CH3)4P}2CuBr4. Solid State Communications, 1991, 80, 451-455.	1.9	12
23	Thermodynamics of the incommensurate state inRb2WO4:The Lifshitz point inA2BX4compounds. Physical Review B, 2000, 61, 3147-3150.	3.2	11
24	Phase diagram and dielectric properties of ferroelectric ceramics. Superlattices and Microstructures, 2011, 49, 300-306.	3.1	10
25	Incorporation of lanthanide ions in lead titanate. Journal of Materials Science, 2012, 47, 1094-1099.	3.7	10
26	Effect of the lanthanum concentration on the physical properties of the (Bi0.5Na0.5)0.92Ba0.08-3/2La TiO3 ceramic system. Materials Chemistry and Physics, 2018, 208, 103-111.	4.0	10
27	Optical study of the phase transitions in (N(CD3)4)2ZnCl4and (N(CH3)4)2CoCl4. Journal of Physics Condensed Matter, 1991, 3, 5975-5982.	1.8	8
28	Domain wall vertices in quartz: Symmetry, classification, and T.E.M. Observation. Ferroelectrics, 1992, 125, 209-214.	0.6	8
29	T.E.M. study of 3-q modulated phase of quartz-type under electric field. Ferroelectrics, 1994, 155, 371-376.	0.6	8
30	On improper ferroelastics among incommensurate materials. Ferroelectrics, 1996, 175, 25-39.	0.6	8
31	Novel features of the Î±â€“Î² phase transition in quartz-type FePO4as evidenced by x-ray diffraction and lattice dynamics. Journal of Physics Condensed Matter, 2010, 22, 225403.	1.8	8
32	Piezoelectric behavior in Sr_{1â€‰â^'â€‰x}<scp>B</scp>a_x<scp>B</scp>i₂<scp>N</scp>b₂<s Aurivilliusâ€type structure ferroelectric ceramics. Physica Status Solidi (B): Basic Research, 2013, 250, 1551-1555.	1.5	8
33	Raman spectroscopy investigation on (Pb1La)(Zr0.90Ti0.10)1â^'/4O3 ceramic system. Vibrational Spectroscopy, 2016, 86, 124-127.	2.2	8
34	Evidence for the incommensurate phase in AlPO4near Î±-Î² transition: a differential scanning calorimetry study. Journal of Physics C: Solid State Physics, 1983, 16, L311-L315.	1.5	7
35	Phase transitions in (TMP)₂(CuCl₄)_{1â^'x}(CuBr₄)_x. Ferroelectrics, 1992, 125, 203-208.	0.6	7
36	Domain textures of multi-qmodulated phases. Ferroelectrics, 1997, 191, 267-273.	0.6	7

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37	A sample analysis of domain walls in simple cubic phase of C60. Ferroelectrics, 1997, 191, 73-78.	0.6	7
38	Structural change and some associated anomalies in the ferroelectric PbK2LiNb5O15. Ferroelectrics, 2001, 251, 131-137.	0.6	7
39	Structural study of ferroelectric and paraelectric phases in PbK2LiNb5O15. Physica Status Solidi (B): Basic Research, 2004, 241, 2629-2638.	1.5	7
40	Repolarization of Ferroelectric Superlattices BaZrO3/BaTiO3. Scientific Reports, 2019, 9, 18948.	3.3	7
41	Domain walls in lock-in phases. Ferroelectrics, 1990, 111, 97-109.	0.6	7
42	Analysis of linear defects in triply incommensurate phase of quartz-type. Ferroelectrics, 1989, 97, 299-311.	0.6	6
43	Ferroelastic walls in lock-in phases of [N(CD₃)₄]₂ZnCl₄and [N(CH₃)J₂CuCl₄. Ferroelectrics, 1989, 97, 277-292.	0.6	6
44	Dense domain structure in ferroelastics by EPR. Ferroelectrics, 1997, 191, 179-185.	0.6	6
45	Dielectric Properties and Switching Processes of Barium Titanateâ€“Barium Zirconate Ferroelectric Superlattices. Materials, 2018, 11, 1436.	2.9	6
46	Study of the Oxidation Process of Crystalline Powder of In2S3 and Thin Films Obtained by Dr Blade Method. Journal of Electronic Materials, 2019, 48, 4715-4725.	2.2	6
47	Soft mode behaviour of incommensurate Sn2P2Se6: An inelastic neutron scattering study. Ferroelectrics, 1997, 202, 121-129.	0.6	5
48	Ionic Conduction Properties in PbK2LiNb5O15. Ferroelectrics, 2008, 371, 17-20.	0.6	5
49	Unusual Polarization Ordering in Lanthanum Modified Lead Zirconate Titanate (Pb_{0.97}La_{0.03})(Zr_{0.90}Ti_{0.10})_{0.9925}O₃. Journal of the American Ceramic Society, 2016, 99, 2063-2070.	3.8	5
50	Kinetics of the incommensurate to commensurate transition in the solid solution (NH₄)₂(BeF₄)_{0.92}(SO₄)_{0.08}. Phase Transitions, 1992, 37, 165-177.	1.3	4
51	On mesoscopic structure of incommensurate phases: Domain textures and textural blocks. Ferroelectrics, 1997, 192, 61-70.	0.6	4
52	On the anomalous light scattering in quartz: A critical overview and recent results. Ferroelectrics, 2000, 240, 1405-1412.	0.6	4
53	On the evolution of texture between Î± and Î² phases in quartz: Aspects relevant with the problem of the anomalous light scattering. Ferroelectrics, 2001, 252, 1-9.	0.6	4
54	Dielectric and structural properties of diffuse ferroelectric phase transition in Pb_{1.85}K_{1.15}Li_{0.15}Nb₅O₁₅ceramic. EPJ Applied Physics, 2011, 53, 20901.	0.7	4

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55	Electron microscopy study of nucleation processes at the lock-in phase transition of berlinite A1PO4-. Ferroelectrics, 1988, 79, 347-350.	0.6	3
56	Linear birefringence studies of incommensurate systems: II. KFeF4. Phase Transitions, 1991, 36, 155-164.	1.3	3
57	Study of the linear birefringence and domain structure in [N(CH₃)₄]₂CoCl₄and [N(CD₃)₄]₂ZnCl₄. Ferroelectrics, 1992, 125, 165-170.	0.6	3
58	Domain walls and phase boundaries in (TMA)₂Zn Cl₄. Ferroelectrics, 1992, 126, 317-322.	0.6	3
59	Ferroelastic Incommensurate Phases. Key Engineering Materials, 1995, 101-102, 237-284.	0.4	3
60	Comment on `Inhomogeneities and birefringence in quartz'. Journal of Physics Condensed Matter, 1999, 11, 8169-8173.	1.8	3
61	H.R.E.M. Study of the Room Temperature Phase of PbK 2 LiNb 5 O 15. Ferroelectrics, 2003, 290, 83-90.	0.6	3
62	Anomalies of Thermal Dilatation and Domain Structure in the Multiferroic Material PbK₂LiNb₅O₁₅. Ferroelectrics, 2008, 376, 17-24.	0.6	3
63	Fatigue phenomena in thin ferroelectric films stimulated by repeated switching of the polarization. Journal of Advanced Dielectrics, 2013, 03, 1350002.	2.4	3
64	On fundamental mechanisms in dye sensitized solar cells through the behaviour of different mesoporous titanium dioxide films. EPJ Applied Physics, 2015, 72, 20404.	0.7	3
65	Switching Properties of Ferroelectric Perovskite Superlattices. Ferroelectrics, 2019, 544, 43-48.	0.6	3
66	Hysteresis phenomena in the incommensurate phase of (TMA)2ZnCl4, and at the lock-in transition. Ferroelectrics, 1988, 79, 343-346.	0.6	2
67	Modulation vector rotation in incommensurate crystals under field or stress. Ferroelectrics, 1990, 105, 321-326.	0.6	2
68	Influence of thermal history on dielectric anomalies in incommensurate (TMA)2ZnCL4. Ferroelectrics, Letters Section, 1990, 11, 79-88.	1.0	2
69	Primary and secondary domain states in the simple cubic phase of c60. Ferroelectrics, 1996, 185, 71-76.	0.6	2
70	Structural organization of fullerenes C60, C70, C84. Ferroelectrics, 1999, 221, 37-46.	0.6	2
71	Role of the coupling between strains and order parameter gradient in crystals. Phase Transitions, 1999, 67, 587-615.	1.3	2
72	Anomalous Light Scattering in Quartz: Ferroelastic-ELT Versus Non Equilibrium-EQT Model. Ferroelectrics, 2003, 290, 97-104.	0.6	2

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73	Imaging Ferroic Domain Structures with an Acoustic Microscope: Example of PPLN. Ferroelectrics, 2003, 290, 29-38.	0.6	2
74	Synthesis of In₂S_{3(1-x)}O_{3x}thin films by oxidation of In₂S₃film and influence of film microstructure. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2865-2870.	1.8	2
75	Infiltration of CdTe nano crystals into a ZnO wire vertical matrix by using the isothermal closed space technique. Journal of Crystal Growth, 2017, 475, 274-280.	1.5	2
76	Intrinsic Defects in Insulating Incommensurate Crystals. NATO ASI Series Series B: Physics, 1987, , 151-162.	0.2	2
77	On the sequence of phase transitions in K Fe F₄. Ferroelectrics, 1990, 105, 195-200.	0.6	1
78	Change of domain structure at lock-in transitions. Phase Transitions, 1991, 30, 255-258.	1.3	1
79	Polarization Rotation in the Incommensurate Phase of Sn2P2(SexS1â€“x)6. Ferroelectrics, 2004, 302, 137-141.	0.6	1
80	Ferroelastic Transitions and Cracks in Li3ThF7Single Crystals. Ferroelectrics, 2006, 334, 57-65.	0.6	1
81	Thermally stimulated processes in samarium-modified lead titanate ferroelectric ceramics. Applied Physics A: Materials Science and Processing, 2013, 112, 419-423.	2.3	1
82	Transpyrenean Encounter on Advanced Materials. , 2017, 2, .		1
83	Possible incommensurate phase in KFeF4. Zeitschrift Fur Kristallographie - Crystalline Materials, 1983, 163, 135-138.	0.8	0
84	EPR study of X-ray irradiated [N(CH3)4]2ZnCl4crystal. Ferroelectrics, 1990, 105, 297-301.	0.6	0
85	Lattice spin model AB1B2. Computational Materials Science, 2000, 18, 167-176.	3.0	0
86	Structural characterization of PZT thin films and related properties. Ferroelectrics, 2001, 254, 403-410.	0.6	0
87	Structural and Electrical Properties of the Ferroelectric PbK 2 LiNb 5 O 15. Ferroelectrics, 2002, 268, 417-422.	0.6	0
88	Stress Induced change of the lifshitz point type in A₂BX₄compounds. Ferroelectrics, 2002, 265, 79-85.	0.6	0
89	Structural and Dynamical Aspects of Structural Phase Transitions on Incommensurate A2BX4compounds. Ferroelectrics, 2004, 305, 75-78.	0.6	0
90	Polarization and Thermally Stimulated Processes in Lead-Free Ferroelectric Ceramics. , 2015, , .		0

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91	Debyeâ€™s temperature and heat capacity for Sr0.15Ba0.85Bi₂Nb₂O₉ relaxor ferroelectric ceramic. Journal of Advanced Dielectrics, 2016, 06, 1620001.	2.4	0
92	Structural and ferroelectric properties of Sr1â^'xBa_xBi₂Nb₂O₉ thin films obtained by dip-coating. Journal of Advanced Dielectrics, 2017, 07, 1750035.	2.4	0
93	Structural and dielectric properties of the (Bi_{0.500}Na_{0.500})_{0.920}Ba_{0.065}La_{0.010}TiO₃ lead-free ceramic system. Ferroelectrics, 2018, 533, 85-91.	0.6	0
94	Characterization and Phase Diagram of the Tetragonal Tungsten Bronze Type Ferroelectric Compounds Pb2(1â^'x)GdxK1+xNb5O15 for Energy Storage Applications. , 2020, , 401-412.		0
95	Framework structure crystalline materials and Rigid Unit Modes (RUMs). Introducing the new concept of MLRUMs and skeletions Authors. , 2021, 5, .		0
96	Dielectric properties and switching processes of ferroelectric superlattices. , 2022, 5, .		0
97	Resistance Switching Effect in Octahedral framework oxide. , 2022, 5, .		0