

Yaovi Gagou

List of Publications by Year in descending order

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84
papers

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394421

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31
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all docs

85
docs citations

85
times ranked

952
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, dielectric, ferroelectric and electrical properties of lead-free Ba _{0.9} Sr _{0.1} Ti _{0.9} Sn _{0.1} O ₃ ceramic prepared by sol-gel method. <i>Materials Today: Proceedings</i> , 2022, 51, 2059-2065.	1.8	2
2	The structural, dielectric, electrocaloric, and energy storage properties of lead-free Ba _{0.9} Ca _{0.1} Zr _{0.15} Ti _{0.85} O ₃ . <i>Ceramics International</i> , 2022, 48, 3157-3171.	4.8	10
3	Electrocaloric effect and high energy storage efficiency in lead-free Ba _{0.95} Ca _{0.05} Ti _{0.89} Sn _{0.11} O ₃ ceramic elaborated by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 2067-2079.	2.2	8
4	Impact of annealing on electrocaloric response in Lanthanum-modified lead zirconate titanate ceramic. <i>Journal of Alloys and Compounds</i> , 2022, 907, 164517.	5.5	2
5	Nanostructured BaTi _{1-x} Sn _x O ₃ ferroelectric materials for electrocaloric applications and energy performance. <i>Current Applied Physics</i> , 2022, 38, 59-66.	2.4	2
6	Enhanced electrocaloric and energy-storage properties of environment-friendly ferroelectric Ba _{0.9} Sr _{0.1} Ti _{1-x} Sn _x O ₃ ceramics. <i>Materials Today Communications</i> , 2022, 31, 103351.	1.9	3
7	Improvement of the electrocaloric effect and energy storage performances in Pb-free ferroelectric Ba _{0.9} Sr _{0.1} Ti _{0.9} Sn _{0.1} O ₃ ceramic near room temperature. <i>Journal of Solid State Chemistry</i> , 2022, 311, 123112.	2.9	9
8	Enhancing the dielectric, electrocaloric and energy storage properties of lead-free Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ ceramics prepared via sol-gel process. <i>Physica B: Condensed Matter</i> , 2021, 603, 412760.	2.7	30
9	Structural, dielectric and energy storage properties of Neodymium niobate with tetragonal tungsten bronze structure. <i>Physica B: Condensed Matter</i> , 2021, 618, 413185.	2.7	17
10	Characterization and Phase Diagram of the Tetragonal Tungsten Bronze Type Ferroelectric Compounds Pb ₂ (1-x)GdxK _{1+x} Nb ₅ O ₁₅ for Energy Storage Applications. , 2020, , 401-412.		0
11	Investigation of Polyol Process for the Synthesis of Highly Pure BiFeO ₃ Ovoid-Like Shape Nanostructured Powders. <i>Nanomaterials</i> , 2020, 10, 26.	4.1	4
12	Structural, dielectric, ferroelectric and tuning properties of Pb-free ferroelectric Ba _{0.9} Sr _{0.1} Ti _{1-x} Sn _x O ₃ . <i>Ceramics International</i> , 2020, 46, 27275-27282.	4.8	8
13	Structural, dielectric and magnetic studies of (003) type multiferroic (1-x) BaTi _{0.8} Sn _{0.2} O ₃ (x) La _{0.5} Ca _{0.5} MnO ₃ (0 ≤ x ≤ 1) composite ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19343-19354.	2.2	10
14	Enhanced electrical properties and large electrocaloric effect in lead-free Ba _{0.8} Ca _{0.2} ZrxTi _{1-x} O ₃ (x = 0) Tj ETQq0 0,0 rgBT /Ov	2.2	10
15	Structural, dielectric, and ferroelectric properties of lead-free BCZT ceramics elaborated by low-temperature hydrothermal processing. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10096-10104.	2.2	31
16	Electrocaloric response in lanthanum-modified lead zirconate titanate ceramics. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	9
17	Properties of layered structures based on barium titanate. <i>Ferroelectrics</i> , 2020, 561, 135-141.	0.6	1
18	Enhanced dielectric and electrocaloric properties in lead-free rod-like BCZT ceramics. <i>Journal of Advanced Ceramics</i> , 2020, 9, 210-219.	17.4	45

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19	Structural, Dielectric, and Magnetic Properties of Multiferroic $(1-x)$ $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ - x $\text{BaTi}_{0.8}\text{Sn}_{0.2}\text{O}_3$ Laminated Composites. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 1935-1941.	3.0	3
20	Switching Properties of Ferroelectric Perovskite Superlattices. <i>Ferroelectrics</i> , 2019, 544, 43-48.	0.6	3
21	Structural, dielectric and electrocaloric properties of $(\text{Ba}_{0.85}\text{Ca}_{0.15})(\text{Ti}_{0.9}\text{Zr}_{0.1}\text{Sn}_x)\text{O}_3$ ceramics elaborated by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14099-14111.	2.2	11
22	Synthesis of $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ nanocrystalline manganites by sucrose assisted auto combustion route and study of their structural, magnetic and magnetocaloric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20459-20470.	2.2	5
23	Study of the Oxidation Process of Crystalline Powder of In_2S_3 and Thin Films Obtained by Dr Blade Method. <i>Journal of Electronic Materials</i> , 2019, 48, 4715-4725.	2.2	6
24	Phase transitions, energy storage performances and electrocaloric effect of the lead-free $\text{Ba}_{0.85}\text{Ca}_{0.15}\text{Zr}_{0.1}\text{Ti}_{0.9}\text{O}_3$ ceramic relaxor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6430-6438.	2.2	58
25	Repolarization of Ferroelectric Superlattices $\text{BaZrO}_3/\text{BaTiO}_3$. <i>Scientific Reports</i> , 2019, 9, 18948.	3.3	7
26	Impedance spectroscopy analysis of the diffuse phase transition in lead-free $(\text{Ba}_{0.85}\text{Ca}_{0.15})(\text{Zr}_{0.1}\text{Ti}_{0.9})\text{O}_3$ ceramic elaborated by sol-gel method. <i>Superlattices and Microstructures</i> , 2019, 127, 71-79.	3.1	14
27	Impedance spectroscopy studies on lead free $\text{Ba}_{1-x}\text{Mg}_x(\text{Ti}_{0.9}\text{Zr}_{0.1})\text{O}_3$ ceramics. <i>Superlattices and Microstructures</i> , 2018, 118, 45-54.	3.1	5
28	Dielectric permittivity enhancement and large electrocaloric effect in the lead free $(\text{Ba}_{0.8}\text{Ca}_{0.2})_{1-x}\text{La}_x/3\text{TiO}_3$ ferroelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2018, 730, 501-508.	5.5	27
29	Dielectric Properties and Switching Processes of Barium Titanate-Barium Zirconate Ferroelectric Superlattices. <i>Materials</i> , 2018, 11, 1436.	2.9	6
30	Intrinsic dead layer effects in relaxed epitaxial BaTiO_3 thin film grown by pulsed laser deposition. <i>Materials and Design</i> , 2017, 122, 157-163.	7.0	20
31	Lead free $\text{Ba}_{0.8}\text{Ca}_{0.2}\text{Ti}_x\text{O}_3$ ferroelectric ceramics exhibiting high electrocaloric properties. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	9
32	Sequence of structural transitions and electrocaloric properties in $(\text{Ba}_{1-x}\text{Ca}_x)(\text{Zr}_{0.1}\text{Ti}_{0.9})\text{O}_3$ ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 713, 164-179.	5.5	62
33	Structural and electrical properties of $\text{K}_3\text{Li}_2\text{Nb}_5\text{O}_{15}$ thin film grown by pulsed laser deposition. <i>Materials Research Bulletin</i> , 2017, 94, 287-290.	5.2	2
34	Structural and optical properties of $\text{Pb}_2\text{KNb}_5\text{O}_{15}$ and $\text{GdK}_2\text{Nb}_5\text{O}_{15}$ tungsten bronze thin films grown by pulsed laser deposition. <i>Journal of Alloys and Compounds</i> , 2017, 724, 1070-1074.	5.5	2
35	Oxygen-deficient $\text{GdK}_2\text{Nb}_5\text{O}_{15}$ ferroelectric epitaxial thin film. <i>Europhysics Letters</i> , 2016, 116, 67001.	2.0	1
36	Study of A and B sites order in lanthanide-doped lead titanate ferroelectric system. <i>Powder Diffraction</i> , 2016, 31, 23-30.	0.2	1

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37	Structural, dielectric and electrocaloric properties in lead-free Zr-doped Ba _{0.8} Ca _{0.2} TiO ₃ solid solution. Solid State Communications, 2016, 237-238, 49-54.	1.9	16
38	Investigation of diffuse phase transition in ferroelectric Pb _{2-x} K _{1+x} Li _{x} Nb ₅ O ₁₅ (0 \leq x \leq 1.5) ceramics. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	1
39	Bipolar resistive switching and substrate effect in Gd ₂ Nb ₅ O ₁₅ epitaxial thin films with tetragonal tungsten bronze type structure. Materials and Design, 2016, 112, 80-87.	7.0	15
40	Ferrielectricity in smectic-C* dechiralization-line lattices. Physical Review E, 2016, 93, 042704.	2.1	1
41	Raman spectroscopy investigation on (Pb _{1-x}) ₂ (Zr _{0.90} Ti _{0.10}) ₄ O ₃ ceramic system. Vibrational Spectroscopy, 2016, 86, 124-127.	2.2	8
42	Indirect and direct electrocaloric measurements of (Ba _{1-x} Ca x)(Zr _{0.1} Ti _{0.9})O ₃ ceramics (x $\hat{=}$ 0.05, x $\hat{=}$ 0.20). Journal of Alloys and Compounds, 2016, 667, 198-203.	5.5	45
43	Ferroelectric phase changes and electrocaloric effects in Ba(Zr _{0.1} Ti _{0.9}) _{1-x} Sn x O ₃ ceramics solid solution. Journal of Materials Science, 2016, 51, 3454-3462.	3.7	30
44	Dielectric behaviour and dechiralization lines dynamics of a pure Smectic-C* in confined geometry: onset of mesoscopic ferrielectricity. Liquid Crystals, 2016, 43, 639-647.	2.2	2
45	Electrocaloric effect in Ba _{0.2} Ca _{0.8} Ti _{0.95} Ge _{0.05} O ₃ determined by a new pyroelectric method. Europhysics Letters, 2015, 111, 57008.	2.0	17
46	Lead-free Ba _{0.8} Ca _{0.2} (Zr x Ti _{1-x})O ₃ ceramics with large electrocaloric effect. Applied Physics Letters, 2015, 106, .	3.3	127
47	Vibrational analysis on two-layer Aurivillius phase Sr _{1-x} Ba x Bi ₂ Nb ₂ O ₉ using Raman spectroscopy. Vibrational Spectroscopy, 2015, 77, 1-4.	2.2	14
48	Electro-caloric effect in lead-free ferroelectric Ba _{1-x} Ca _{x} (Zr _{0.1} Ti _{0.9}) _{0.925} Sn _{0.075} O ₃ ceramics. Ceramics International, 2015, 41, 15103-15110.	4.8	38
49	Room temperature electro-caloric effect in lead-free Ba(Zr _{0.1} Ti _{0.9}) _{1-x} Sn x O ₃ (x =0, x =0.075) ceramics. Solid State Communications, 2015, 201, 64-67.	1.9	60
50	Structural and electrical properties of Bi _{0.5} Na _{0.5} TiO ₃ based superlattices grown by pulsed laser deposition. Journal of Applied Physics, 2014, 116, .	2.5	9
51	Giant increase of ferroelectric phase transition temperature in highly strained ferroelectric [BaTiO ₃] _{0.7} /[BaZrO ₃] _{0.3} superlattice. Europhysics Letters, 2014, 106, 17004.	2.0	11
52	Highly constrained ferroelectric [BaTiO ₃](_{1-x})/[BaZrO ₃] _{x} superlattices: X-ray diffraction and Raman spectroscopy. Journal of Applied Physics, 2014, 116, 034108.	2.5	13
53	On the nature of phase transitions in the tetragonal tungsten bronze GdK ₂ Nb ₅ O ₁₅ ceramics. Journal of Applied Physics, 2014, 115, 064104.	2.5	31
54	Structural and dielectric properties of a new lead-free ferroelectric Ba _{0.8} Ca _{0.2} Ti _{0.8} Ge _{0.2} O ₃ ceramics. Superlattices and Microstructures, 2014, 71, 162-167.	3.1	11

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55	Resistive switching in a (00 \hat{a} , \hat{c})-oriented GdK ₂ Nb ₅ O ₁₅ thin film with tetragonal tungsten bronze type structure. Superlattices and Microstructures, 2014, 72, 35-42.	3.1	5
56	From normal ferroelectric transition to relaxor behavior in Aurivillius ferroelectric ceramics. Journal of Materials Science, 2014, 49, 7437-7444.	3.7	15
57	Investigation on relaxation and conduction mechanism in Pb _{0.75} K _{0.5} Nb ₂ O ₆ new ferroelectric ceramic. Superlattices and Microstructures, 2014, 71, 7-22.	3.1	29
58	X-ray diffraction, dielectric and Raman spectroscopy studies of Ba _{1-x} Nd _{2x/3} (Ti _{0.9} Zr _{0.1})O ₃ ceramics. Ceramics International, 2014, 40, 10255-10261.	4.8	20
59	Synthesis of In ₂ S ₃ (1-x)/xO ₃ x thin films by oxidation of In ₂ S ₃ film and influence of film microstructure. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2865-2870.	1.8	2
60	Thermally stimulated processes in samarium-modified lead titanate ferroelectric ceramics. Applied Physics A: Materials Science and Processing, 2013, 112, 419-423.	2.3	1
61	Resistive Switching Hysteresis in Thin Films of Bismuth Ferrite. Ferroelectrics, 2013, 444, 183-189.	0.6	5
62	Studies of Diffuse Phase Transition in Ferroelectric Solid Solution Pb _{1-x} K _{2x} Nb ₂ O ₆ (x = 0.1, 0.2, 0.25 and 0.3). Ferroelectrics, 2013, 444, 116-124.	0.6	10
63	Dielectric properties and relaxation phenomena in the diffuse ferroelectric phase transition in K ₃ Li ₂ Nb ₅ O ₁₅ ceramic. European Physical Journal B, 2012, 85, 1.	1.5	22
64	X-ray diffraction, dielectric, conduction and Raman studies in Na _{0.925} Bi _{0.075} Nb _{0.925} Mn _{0.075} O ₃ ceramic. Journal of Applied Physics, 2012, 111, 044101.	2.5	10
65	Dielectric and structural properties of diffuse ferroelectric phase transition in Pb _{1.85} K _{1.15} Li _{0.15} Nb ₅ O ₁₅ ceramic. EPJ Applied Physics, 2011, 53, 20901.	0.7	4
66	Phase diagram and dielectric properties of ferroelectric ceramics. Superlattices and Microstructures, 2011, 49, 300-306.	3.1	10
67	Study of the ceramics by X-ray diffraction, dielectric and Raman spectroscopy. Solid State Communications, 2011, 151, 763-767.	1.9	8
68	Structural and Raman properties of the tetragonal tungsten bronze ferroelectric. Solid State Communications, 2010, 150, 419-423.	1.9	30
69	Monte Carlo Study of Ferroelectric Properties of Tetragonal Tungsten Bronze Compounds. Ferroelectrics, 2010, 397, 1-8.	0.6	5
70	Ferroelectric BaTiO ₃ /BaZrO ₃ superlattices: X-ray diffraction, Raman spectroscopy, and polarization hysteresis loops. Journal of Applied Physics, 2010, 108, 084104.	2.5	30
71	Ionic Conduction Properties in PbK ₂ LiNb ₅ O ₁₅ . Ferroelectrics, 2008, 371, 17-20.	0.6	5
72	Anomalies of Thermal Dilatation and Domain Structure in the Multiferroic Material PbK ₂ LiNb ₅ O ₁₅ . Ferroelectrics, 2008, 376, 17-24.	0.6	3

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73	Ferroelectric Phases in Rare-Earth TTБ Ferroelectric Compounds $Pb_{2(1-x)}K_{(1+x)}Tj$ ETQq1 1 0.784314 rgBJ /Overlocl	0.6	5
74	Structural study of ferroelectric and paraelectric phases in $PbK_2LiNb_5O_{15}$. Physica Status Solidi (B): Basic Research, 2004, 241, 2629-2638.	1.5	7
75	Cationic disorder, microstructure and dielectric response of ferroelectric SBT ceramics. Journal of Applied Crystallography, 2003, 36, 880-889.	4.5	21
76	H.R.E.M. Study of the Room Temperature Phase of $PbK_2LiNb_5O_{15}$. Ferroelectrics, 2003, 290, 83-90.	0.6	3
77	New Gadolinium Based Ferroelectric Phases Derived from the Tetragonal Tungsten Bronze (TTB). Ferroelectrics, 2003, 291, 133-139.	0.6	15
78	Magnetic-field-induced orientation in Co-doped $SrBi_2Ta_2O_9$ ferroelectric oxide. Journal of Physics Condensed Matter, 2002, 14, 11849-11857.	1.8	8
79	Structural and Electrical Properties of the Ferroelectric $PbK_2LiNb_5O_{15}$. Ferroelectrics, 2002, 268, 417-422.	0.6	0
80	Structural Evolution of Iron Phosphate as a Function of Temperature. Ferroelectrics, 2002, 269, 279-284.	0.6	6
81	A new ferroelectric compound: $PbK_2LiNb_5O_{15}$. Ferroelectrics, 2001, 254, 197-204.	0.6	14
82	Structural change and some associated anomalies in the ferroelectric $PbK_2LiNb_5O_{15}$. Ferroelectrics, 2001, 251, 131-137.	0.6	7
83	Structural characterization of PZT thin films and related properties. Ferroelectrics, 2001, 254, 403-410.	0.6	0
84	Synthesis and phase transitions of iron phosphate. Ferroelectrics, 2000, 241, 255-262.	0.6	37