

Michel Venet

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ferroc glass behavior in (Bi,Na)TiO ₃ based lead-free electroceramics. Journal of Alloys and Compounds, 2022, , 165717.	5.5	1
2	Photocontrolled Strain in Polycrystalline Ferroelectrics via Domain Engineering Strategy. ACS Applied Materials & Interfaces, 2021, 13, 20858-20864.	8.0	15
3	Enhanced magnetoelectric response of cofired ceramic layered composites by adjusting the grain boundary conductivity of the magnetostrictive component. Ceramics International, 2021, 47, 17186-17191.	4.8	3
4	Unveiling the high-temperature dielectric response of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$. Scientific Reports, 2020, 10, 19491.	3.3	1
5	Selection and Optimization of a K _{0.5} Na _{0.5} NbO ₃ -Based Material for Environmentally-Friendly Magnetoelectric Composites. Materials, 2020, 13, 731.	2.9	9
6	Ferroc properties of nickel-ferrite based ceramic composites at room temperature. Ferroelectrics, 2019, 545, 150-155.	0.6	0
7	Enhanced piezomagnetic coefficient of cobalt ferrite ceramics by Ga and Mn doping for magnetoelectric applications. Journal of Applied Physics, 2019, 125, .	2.5	16
8	Controlling colloidal processing of (K,Na)NbO ₃ -based materials in aqueous medium. Journal of the European Ceramic Society, 2019, 39, 3456-3461.	5.7	4
9	Magnetoelectric dual-particulate composites with wasp-waisted magnetic response for broadband energy harvesting. Journal of Alloys and Compounds, 2019, 783, 237-245.	5.5	11
10	Dielectric and piezoelectric nonlinear properties of slightly textured lead barium niobate ceramics. Journal of Applied Physics, 2019, 125, .	2.5	1
11	Environmentally-friendly magnetoelectric ceramic multilayer composites by water-based tape casting. Journal of the European Ceramic Society, 2019, 39, 1065-1072.	5.7	15
12	Anelastic and optical properties of Bi _{0.5} Na _{0.5} TiO ₃ and (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ lead-free ceramic systems doped with donor Sm ³⁺ . Journal of Alloys and Compounds, 2018, 746, 648-652.	5.5	8
13	Processing issues and their influence in the magnetoelectric performance of (K,Na)NbO ₃ /CoFe ₂ O ₄ -based layered composites. Journal of Alloys and Compounds, 2018, 744, 691-700.	5.5	10
14	Multiferroic and magnetoelectric properties of Pb _{0.99} [Zr _{0.45} Ti _{0.47} (Ni _{1/3} Sb _{2/3}) _{0.08}] ₃ O ₁₂ /CoFe ₂ O ₄ multilayer composites fabricated by tape casting. Journal of the European Ceramic Society, 2018, 38, 1473-1478.	5.7	35
15	Evolution of crystalline phases and morphotropic phase boundary of the (Bi,Na)TiO ₃ -(Bi,K)TiO ₃ -BaTiO ₃ lead-free ceramic system. Journal of Alloys and Compounds, 2017, 691, 498-503.	5.5	10
16	Exploring the processing conditions to optimize the interface in 2D composites based on Pb(Zr,Ti)O ₃ and NiFe ₂ O ₄ . Ceramics International, 2016, 42, 7980-7986.	4.8	9
17	Analysis of the Phase Transitions in BNT-BT Lead-Free Ceramics Around Morphotropic Phase Boundary by Mechanical and Dielectric Spectroscopies. Archives of Metallurgy and Materials, 2016, 61, 17-20.	0.6	24
18	Origin of discrepancy between electrical and mechanical anomalies in lead-free (K,Na)NbO ₃ -based ceramics. Physical Review B, 2016, 94, .	3.2	15

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19	Magnetolectric coupling in lead-free piezoelectric Li (K _{0.5} Na _{0.5}) ^{1-x} Nb ^x Ta ^{1-x} O ₃ and magnetostrictive CoFe ₂ O ₄ laminated composites. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1788-1792.	2.1	10
20	Influence of diffuse phase transition on the anelastic behavior of Nb-doped Pb(Zr _{0.53} Ti _{0.47})O ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2015, 647, 784-789.	5.5	18
21	La ³⁺ -induced (micro)structural changes and origin of the relaxor-like phase transition in ferroelectric lead barium niobate electroceramics. <i>Journal of Materials Science</i> , 2014, 49, 4825-4832.	3.7	1
22	Control of powder morphology for texture enhancement of lead barium niobate ferroelectric ceramics. <i>Advances in Applied Ceramics</i> , 2012, 111, 175-180.	1.1	0
23	High and tunable piezoelectric coefficients in 0.675Pb(Mg ^x Nb ^{1-x})O ₃ –0.325PbTiO ₃ ceramics. <i>Materials Research Bulletin</i> , 2012, 47, 2219-2221.	5.2	2
24	Desenvolvimento de um equipamento para a caracterização não-destrutiva dos módulos elásticos de materiais cerâmicos. <i>Ceramica</i> , 2010, 56, 118-122.	0.8	7
25	Dynamics of normal to diffuse and relaxor phase transition in lead metaniobate-based ferroelectric ceramics. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	12
26	Improvement of the phase diagram for the pseudobinary PbNb ₂ O ₆ –BaNb ₂ O ₆ system. <i>Journal of Applied Physics</i> , 2009, 105, 124106.	2.5	13
27	Anisotropic properties in textured lead barium niobate compositions around the morphotropic phase boundary. <i>Solid State Ionics</i> , 2009, 180, 320-325.	2.7	8
28	Dielectric and magnetic coupling in lead-free FeAlO ₃ magnetolectric compound. <i>Solid State Communications</i> , 2008, 147, 123-125.	1.9	17
29	Relaxation dynamics of the conductive processes for PbNb ₂ O ₆ ferroelectric ceramics in the frequency and time domain. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 136218.	1.8	13
30	Diffuse phase transition and relaxor behaviour of textured Sr _{0.63} Ba _{0.37} Nb ₂ O ₆ ceramics. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 026207.	1.8	10
31	Dielectric properties of PbNb ₂ O ₆ ferroelectric ceramics at cryogenic temperatures. <i>Applied Physics Letters</i> , 2007, 91, 062915.	3.3	7
32	Investigation of the dielectric response in PbNb ₂ O ₆ ferroelectric ceramics. <i>Journal of Applied Physics</i> , 2007, 101, 064105.	2.5	15
33	Dielectric behavior of the PbNb ₂ O ₆ ferroelectric ceramic in the frequency range of 20Hz to 2GHz. <i>Journal of the European Ceramic Society</i> , 2007, 27, 4041-4044.	5.7	15
34	Structural, Microstructural and Magnetic Properties of the High-Energy Ball Milled BiFeO ₃ and BiFe _{0.95} Mn _{0.05} O ₃ Ferroelectromagnetic Compounds. <i>Ferroelectrics</i> , 2006, 338, 233-239.	0.6	13
35	Structural, Magnetic, and Dielectric Investigations of the FeAlO ₃ Multiferroic Ceramics. <i>Ferroelectrics</i> , 2006, 338, 241-246.	0.6	19
36	Dependência da morfologia dos grãos na textura de cerâmicas ferroelétricas de PBN. <i>Ceramica</i> , 2006, 52, 76-81.	0.8	1

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37	Tailoring of the Lead Metaniobate Ceramic Processing. Journal of the American Ceramic Society, 2006, 89, 2399-2404.	3.8	29
38	Potentiality of SBN textured ceramics for pyroelectric applications. Solid State Ionics, 2006, 177, 589-593.	2.7	44
39	Characterization of La-Doped PBN Ferroelectric Ceramics. Ferroelectrics, 2006, 337, 213-218.	0.6	14
40	Texturing and properties in hot forged SBN63/37 ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 117, 254-260.	3.5	23
41	Piezoelectric properties of undoped and titanium or barium-doped lead metaniobate ceramics. Journal of the European Ceramic Society, 2005, 25, 2443-2446.	5.7	34
42	Ferroelectric properties of lanthanum and titanium modified SBN ceramic system. Physica Status Solidi (B): Basic Research, 2003, 238, 198-203.	1.5	5
43	Características estruturais, microestruturais, dielétricas e piroelétricas de cerâmicas de Sr _x Ba _{1-x} Nb ₂ O ₆ forjadas a quente. Materials Research, 2003, 6, 507-514.	1.3	0
44	Enhanced Density and Piezoelectric Anisotropy in High TC PbNb ₂ O ₆ Based Ferroelectric Ceramics. , 0, , 197-202.		0