

# Michel Venet

## List of Publications by Year in descending order

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44  
papers

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623734

14  
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44  
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44  
docs citations

44  
times ranked

551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potentiality of SBN textured ceramics for pyroelectric applications. <i>Solid State Ionics</i> , 2006, 177, 589-593.	2.7	44
2	Multiferroic and magnetoelectric properties of $\text{Pb}_{0.99}[\text{Zr}_{0.45}\text{Ti}_{0.47}(\text{Ni}_{1/3}\text{Sb}_{2/3})_{0.08}]\text{O}_3$ CoFe <sub>2</sub> O <sub>4</sub> multilayer composites fabricated by tape casting. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1473-1478.	5.7	35
3	Piezoelectric properties of undoped and titanium or barium-doped lead metaniobate ceramics. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2443-2446.	5.7	34
4	Tailoring of the Lead Metaniobate Ceramic Processing. <i>Journal of the American Ceramic Society</i> , 2006, 89, 2399-2404.	3.8	29
5	Analysis of the Phase Transitions in BNT-BT Lead-Free Ceramics Around Morphotropic Phase Boundary by Mechanical and Dielectric Spectroscopies. <i>Archives of Metallurgy and Materials</i> , 2016, 61, 17-20.	0.6	24
6	Texturing and properties in hot forged SBN <sub>63/37</sub> ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 117, 254-260.	3.5	23
7	Structural, Magnetic, and Dielectric Investigations of the FeAlO <sub>3</sub> Multiferroic Ceramics. <i>Ferroelectrics</i> , 2006, 338, 241-246.	0.6	19
8	Influence of diffuse phase transition on the anelastic behavior of Nb-doped $\text{Pb}(\text{Zr}_{0.53}\text{Ti}_{0.47})\text{O}_3$ ceramics. <i>Journal of Alloys and Compounds</i> , 2015, 647, 784-789.	5.5	18
9	Dielectric and magnetic coupling in lead-free FeAlO <sub>3</sub> magnetoelectric compound. <i>Solid State Communications</i> , 2008, 147, 123-125.	1.9	17
10	Enhanced piezomagnetic coefficient of cobalt ferrite ceramics by Ga and Mn doping for magnetoelectric applications. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	16
11	Investigation of the dielectric response in PbNb <sub>2</sub> O <sub>6</sub> ferroelectric ceramics. <i>Journal of Applied Physics</i> , 2007, 101, 064105.	2.5	15
12	Dielectric behavior of the PbNb <sub>2</sub> O <sub>6</sub> 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
13	Origin of discrepancy between electrical and mechanical anomalies in lead-free (K,Na)NbO <sub>3</sub> -based ceramics. <i>Physical Review B</i> , 2016, 94, .	3.2	15
14	Environmentally-friendly magnetoelectric ceramic multilayer composites by water-based tape casting. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1065-1072.	5.7	15
15	Photocontrolled Strain in Polycrystalline Ferroelectrics via Domain Engineering Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20858-20864.	8.0	15
16	Characterization of La-Doped PBN Ferroelectric Ceramics. <i>Ferroelectrics</i> , 2006, 337, 213-218.	0.6	14
17	Structural, Microstructural and Magnetic Properties of the High-Energy Ball Milled BiFeO <sub>3</sub> and BiFe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>3</sub> Ferromagnetic Compounds. <i>Ferroelectrics</i> , 2006, 338, 233-239.	0.6	13
18	Relaxation dynamics of the conductive processes for PbNb <sub>2</sub> O <sub>6</sub> ferroelectric ceramics in the frequency and time domain. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 136218.	1.8	13

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19	Improvement of the phase diagram for the pseudobinary $\text{PbNb}_2\text{O}_6$ - $\text{BaNb}_2\text{O}_6$ system. <i>Journal of Applied Physics</i> , 2009, 105, 124106.	2.5	13
20	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
21	Magnetolectric dual-particulate composites with wasp-waisted magnetic response for broadband energy harvesting. <i>Journal of Alloys and Compounds</i> , 2019, 783, 237-245.	5.5	11
22	Diffuse phase transition and relaxor behaviour of textured $\text{Sr}_{0.63}\text{Ba}_{0.37}\text{Nb}_2\text{O}_6$ ceramics. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 026207.	1.8	10
23	Magnetolectric coupling in lead-free piezoelectric $\text{Li}(\text{K}_{0.5}\text{Na}_{0.5})\text{Nb}_1\text{TaO}_3$ and magnetostrictive $\text{CoFe}_2\text{O}_4$ laminated composites. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1788-1792.	2.1	10
24	Evolution of crystalline phases and morphotropic phase boundary of the $(\text{Bi},\text{Na})\text{TiO}_3$ - $(\text{Bi},\text{K})\text{TiO}_3$ - $\text{BaTiO}_3$ lead-free ceramic system. <i>Journal of Alloys and Compounds</i> , 2017, 691, 498-503.	5.5	10
25	Processing issues and their influence in the magnetolectric performance of $(\text{K},\text{Na})\text{NbO}_3/\text{CoFe}_2\text{O}_4$ -based layered composites. <i>Journal of Alloys and Compounds</i> , 2018, 744, 691-700.	5.5	10
26	Exploring the processing conditions to optimize the interface in $2\text{â}^2$ composites based on $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ and $\text{NiFe}_2\text{O}_4$ . <i>Ceramics International</i> , 2016, 42, 7980-7986.	4.8	9
27	Selection and Optimization of a $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ -Based Material for Environmentally-Friendly Magnetolectric Composites. <i>Materials</i> , 2020, 13, 731.	2.9	9
28	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
29	Anelastic and optical properties of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ and $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{TiO}_3$ lead-free ceramic systems doped with donor $\text{Sm}^{3+}$ . <i>Journal of Alloys and Compounds</i> , 2018, 746, 648-652.	5.5	8
30	Dielectric properties of $\text{PbNb}_2\text{O}_6$ ferroelectric ceramics at cryogenic temperatures. <i>Applied Physics Letters</i> , 2007, 91, 062915.	3.3	7
31	Desenvolvimento de um equipamento para a caracterizaÃ§Ã£o nÃ£o-destrutiva dos mÃ³dulos elÃ¡sticos de materiais cerÃ¢micos. <i>Ceramica</i> , 2010, 56, 118-122.	0.8	7
32	Ferroelectric properties of lanthanum and titanium modified SBN ceramic system. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 198-203.	1.5	5
33	Controlling colloidal processing of $(\text{K},\text{Na})\text{NbO}_3$ -based materials in aqueous medium. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3456-3461.	5.7	4
34	Enhanced magnetolectric response of cofired ceramic layered composites by adjusting the grain boundary conductivity of the magnetostrictive component. <i>Ceramics International</i> , 2021, 47, 17186-17191.	4.8	3
35	High and tunable piezoelectric coefficients in $0.675\text{Pb}(\text{Mg}\dots\text{Nb}\dots)\text{O}_3$ - $0.325\text{PbTiO}_3$ ceramics. <i>Materials Research Bulletin</i> , 2012, 47, 2219-2221.	5.2	2
36	DependÃªncia da morfologia dos grÃ£os na textura de cerÃ¢micas ferroelÃ©ctricas de PBN. <i>Ceramica</i> , 2006, 52, 76-81.	0.8	1

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37	La <sup>3+</sup> -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
38	Dielectric and piezoelectric nonlinear properties of slightly textured lead barium niobate ceramics. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	1
39	Unveiling the high-temperature dielectric response of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ . <i>Scientific Reports</i> , 2020, 10, 19491.	3.3	1
40	Ferroic glass behavior in (Bi,Na)TiO <sub>3</sub> based lead-free electroceramics. <i>Journal of Alloys and Compounds</i> , 2022, , 165717.	5.5	1
41	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
42	Ferroic properties of nickel-ferrite based ceramic composites at room temperature. <i>Ferroelectrics</i> , 2019, 545, 150-155.	0.6	0
43	Características estruturais, microestruturais, dielétricas e piezoelétricas de cerâmicas de Sr <sub>x</sub> Ba <sub>1-x</sub> Nb <sub>2</sub> O <sub>6</sub> forjadas a quente. <i>Materials Research</i> , 2003, 6, 507-514.	1.3	0
44	Enhanced Density and Piezoelectric Anisotropy in High TC PbNb <sub>2</sub> O <sub>6</sub> Based Ferroelectric Ceramics. , 0, , 197-202.		0