

Vignaswaran Veerapandiyan

List of Publications by Year in descending order

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319
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and properties of lead-free BNT-BT-xCZ ceramics as high-temperature dielectrics. <i>Materials Research Bulletin</i> , 2022, 145, 111560.	5.2	15
2	Origin of Relaxor Behavior in Barium-Titanate-Based Lead-Free Perovskites. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	16
3	Tailoring the ferroelectric and magnetic properties of Bi ₅ Ti ₃ FeO ₁₅ ceramics by doping with Co and Y. <i>Solid State Sciences</i> , 2022, 123, 106802.	3.2	5
4	Atomic scale symmetry and polar nanoclusters in the paraelectric phase of ferroelectric materials. <i>Nature Communications</i> , 2021, 12, 3509.	12.8	51
5	Dielectric and structural studies of ferroelectric phase evolution in dipole-pair substituted barium titanate ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 287-296.	3.8	20
6	Hexavalent (Me = W/Mo)-modified (Ba,Ca)TiO ₃ -Bi(Mg,Me)O ₃ perovskites for high-temperature dielectrics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6881-6892.	3.8	4
7	Raman spectra of fine-grained materials from first principles. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	16
8	Strategies to Improve the Energy Storage Properties of Perovskite Lead-Free Relaxor Ferroelectrics: A Review. <i>Materials</i> , 2020, 13, 5742.	2.9	98
9	Structural and electrical properties of dipole-like substituted barium titanate. <i>Ferroelectrics</i> , 2020, 558, 1-11.	0.6	1
10	Ceramic processing and multiferroic properties of the perovskite YMnO ₃ -BiFeO ₃ binary system. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4846-4858.	3.8	3
11	B-site vacancy induced Raman scattering in BaTiO ₃ -based ferroelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4684-4688.	5.7	62
12	Effect of processing conditions on the structural properties and corrosion behavior of TiO ₂ -SiO ₂ multilayer coatings derived via the sol-gel method. <i>Ceramics International</i> , 2020, 46, 17741-17751.	4.8	25
13	Mechanosynthesis of the Whole Y _{1-x} Bi _x Mn _{1-x} FexO ₃ Perovskite System: Structural Characterization and Study of Phase Transitions. <i>Materials</i> , 2019, 12, 1515.	2.9	7
14	Thermal degradation of ceramic slurry-coated polyurethane foam used in making reticulated porous SiC ceramics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 2603-2610.	3.6	1
15	Electrical properties of Ba[(M ₁ /20Ta ₁ /20)Ti ₉ /10]O ₃ with M = Sc ³⁺ , Cr ³⁺ , Mn ³⁺ , or Fe ³⁺ & Ba[(M ₁ /30Ta ₂ /30)Ti ₉ /10]O ₃ with M = Mn ²⁺ , Ni ²⁺ , or Cu ²⁺ . <i>Ferroelectrics</i> , 2018, 533, 151-164.	0.6	3
16	Structural, electrical and spectroscopic studies of the diffuse phase transition relaxor-like ferroelectric material Ba[(Ho,Sb) _{0.05} Ti _{0.9}]O ₃ . <i>Ferroelectrics</i> , 2018, 532, 168-182.	0.6	5