

Fișa privind îndeplinirea standardelor minime, în domeniul Fizică

I. Total lucrări publicate

Articol publicat	Jurnal	Scor de influență	Nr. autori	Scor
Modeling of hysteretic response of porous piezo/ferroelectric ceramics	COMPUTATIONAL MATERIALS SCIENCE	0.712	2	0.356
Influence of Ferroelectric Filler Size and Clustering on the Electrical Properties of (Ag-BaTiO ₃)-PVDF Sub-Percolative Hybrid Composites	ACS APPLIED MATERIALS & INTERFACES	1.578	13	0.121
Analysis of local vs. macroscopic properties of porous BaTiO ₃ ceramics based on 3D reconstructed ceramic microstructures	ACTA MATERIALIA	2.013	8	0.252
Mesoscale Models for Describing the Formation of Anisotropic Porosity and Strain-Stress Distributions during the Pressing Step in Electroceramics	MATERIALS	0.5	5	0.1
Computational study regarding the poling process and its influence on the effective piezoelectric response of porous piezoceramics	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	0.577	2	0.289
Cuboidal vs equiaxed: The role of nanopowder assembly during BaTiO ₃ ceramic pressing step	JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY	2.125	10	0.213
Porosity effect on the functional properties and energy harvesting performance of Ba _{0.85} Ca _{0.15} Ti _{0.90} Zr _{0.10} O ₃ ceramics	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	0.694	8	0.087
BaTiO ₃ nanocubes-Gelatin composites for piezoelectric harvesting: Modeling and experimental study	CERAMICS INTERNATIONAL	0.590	14	0.042
Modifications of structural, dielectric and ferroelectric properties induced by porosity in BaTiO ₃ ceramics with phase coexistence	JOURNAL OF ALLOYS AND COMPOUNDS	0.700	9	0.078

I = 1.538

II. Lucrări de prim autor

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Modeling of hysteretic response of porous piezo/ferroelectric ceramics	COMPUTATIONAL MATERIALS SCIENCE	0.712
Computational study regarding the poling process and its influence on the effective piezoelectric response of porous piezoceramics	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	0.577
Mesoscale Models for Describing the Formation of Anisotropic Porosity and Strain-Stress Distributions during the Pressing Step in Electroceramics	MATERIALS	0.500

P = 1.789