

Jacques Noudem

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Texture, mechanical and thermoelectric properties of Ca ₃ Co ₄ O ₉ ceramics. Journal of Alloys and Compounds, 2010, 490, 472-479.	5.5	92
2	Toward the enhancement of thermoelectric properties of lamellar Ca ₃ Co ₄ O ₉ by edge-free spark plasma texturing. Scripta Materialia, 2012, 66, 258-260.	5.2	89
3	Ca ₃ Co ₄ O ₉ ceramics consolidated by SPS process: Optimisation of mechanical and thermoelectric properties. Materials Research Bulletin, 2010, 45, 1240-1249.	5.2	83
4	Development of multilayer textured Ca ₃ Co ₄ O ₉ materials for thermoelectric generators: Influence of the anisotropy on the transport properties. Journal of the European Ceramic Society, 2012, 32, 2405-2414.	5.7	65
5	Anisotropy of the Mechanical and Thermoelectric Properties of Hot-Pressed Single-Layer and Multilayer Thick Ca ₃ Co ₄ O ₉ Ceramics. International Journal of Applied Ceramic Technology, 2011, 8, 214-226.	2.1	54
6	Enhanced thermoelectric performance in spark plasma textured bulk n-type BiTe _{2.7} Se _{0.3} and p-type Bi _{0.5} Sb _{1.5} Te ₃ . Applied Physics Letters, 2013, 102, .	3.3	49
7	An Effective Approach for the Development of Reliable YBCO Bulk Cryomagnets with High Trapped Field Performances. Advanced Functional Materials, 2014, 24, 3996-4004.	14.9	41
8	Phonon Engineering for Thermoelectric Enhancement of p-Type Bismuth Telluride by a Hot-Pressing Texture Method. ACS Applied Materials & Interfaces, 2020, 12, 31612-31618.	8.0	41
9	Rietveld texture analysis of complex oxides: examples of polyphased Bi ₂ 223 superconducting and Co ₃ 49 thermoelectric textured ceramics characterization using neutron and X-ray diffraction. Journal of Applied Crystallography, 2005, 38, 199-210.	4.5	28
10	Infiltration and Top Seed Growth of Textured YBCO Bulks With Multiple Holes. Journal of the American Ceramic Society, 2007, 90, 2784-2790.	3.8	28
11	Enhanced Thermoelectric and Mechanical Performances in Sintered Bi _{0.48} Sb _{1.52} Te ₃ –AgSbSe ₂ Composite. ACS Applied Materials & Interfaces, 2021, 13, 24937-24944.	8.0	23
12	Spark Plasma Sintering of n-Type Thermoelectric Ca _{0.95} Sm _{0.05} MnO ₃ . Journal of the American Ceramic Society, 2011, 94, 2608-2612.	3.8	18
13	Enhancement of Thermoelectric Performance of Layered SnSe ₂ by Synergistic Modulation of Carrier Concentration and Suppression of Lattice Thermal Conductivity. ACS Applied Energy Materials, 2019, 2, 8481-8490.	5.1	18
14	Mechanical properties of Ca ₃ Co ₄ O ₉ bulk oxides intended to be used in thermoelectric generators. Ceramics International, 2014, 40, 10237-10246.	4.8	17
15	Thermoelectric properties of Ca _{0.9} Yb _{0.1} MnO ₃ prepared by spark plasma sintering in air atmosphere. Scripta Materialia, 2013, 68, 949-952.	5.2	14
16	Improvement of critical current density of MgB ₂ bulk superconductor processed by Spark Plasma Sintering. Journal of the American Ceramic Society, 2020, 103, 6169-6175.	3.8	13
17	Thermoelectric Ca _{0.9} Yb _{0.1} MnO ₃ grain growth controlled by spark plasma sintering. Journal of the European Ceramic Society, 2013, 33, 1755-1762.	5.7	12
18	Spark plasma texturing: A strategy to enhance the electro-mechanical properties of lead-free potassium sodium niobate ceramics. Applied Materials Today, 2020, 19, 100566.	4.3	12

#	ARTICLE	IF	CITATIONS
19	Anisotropy of Transport Properties Correlated to Grain Boundary Density and Quantified Texture in Thick Oriented Ca ₃ Co ₄ O ₉ Ceramics. <i>Materials</i> , 2018, 11, 1224.	2.9	11
20	Texture Development and Grain Alignment of Hot-Pressed Tetradymite Bi _{0.48} Sb _{1.52} Te ₃ via Powder Molding. <i>Energy Technology</i> , 2019, 7, 1900814.	3.8	11
21	High trapped field performances in thin-wall YBa ₂ Cu ₃ O ₇ bulk cryomagnets. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	7
22	Revisiting the phase sequence and properties of K _{0.5} Na _{0.5} NbO ₃ ceramics sintered by different processes. <i>Ceramics International</i> , 2021, 47, 8308-8314.	4.8	7
23	Volume Texture and Anisotropic Thermoelectric Properties in Ca ₃ Co ₄ O ₉ Bulk Materials. <i>Materials Today: Proceedings</i> , 2015, 2, 637-646.	1.8	6
24	Thin-Wall Bulk High Temperature Superconductor as a Permanent Cryomagnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 6800304-6800304.	1.7	3
25	Overview of Spark Plasma Texturing of Functional Ceramics. <i>Ceramics</i> , 2021, 4, 97-107.	2.6	3
26	Improvement of Critical Current Density and Flux Trapping in Bulk High-Tc Superconductors. , 0, , .		1
27	Synergistically Optimized Thermoelectric and Mechanical Properties in p-type BiSbTe by a Microdroplet Deposition Technique. <i>Energy Technology</i> , 2021, 9, 2001024.	3.8	1