

Jacques Noudem

List of Publications by Year in descending order

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27
papers

747
citations

623734

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26
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docs citations

27
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Overview of Spark Plasma Texturing of Functional Ceramics. <i>Ceramics</i> , 2021, 4, 97-107.	2.6	3
3	Enhanced Thermoelectric and Mechanical Performances in Sintered $Bi_{0.48}Sb_{1.52}Te_3$ AgSbSe ₂ Composite. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24937-24944.	8.0	23
4	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
5	Improvement of critical current density of MgB_2 bulk superconductor processed by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6169-6175.	3.8	13
6	Phonon Engineering for Thermoelectric Enhancement of p-Type Bismuth Telluride by a Hot-Pressing Texture Method. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31612-31618.	8.0	41
7	Spark plasma texturing: A strategy to enhance the electro-mechanical properties of lead-free potassium sodium niobate ceramics. <i>Applied Materials Today</i> , 2020, 19, 100566.	4.3	12
8	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
9	Enhancement of Thermoelectric Performance of Layered $SnSe_2$ by Synergistic Modulation of Carrier Concentration and Suppression of Lattice Thermal Conductivity. <i>ACS Applied Energy Materials</i> , 2019, 2, 8481-8490.	5.1	18
10	Anisotropy of Transport Properties Correlated to Grain Boundary Density and Quantified Texture in Thick Oriented $Ca_3Co_4O_9$ Ceramics. <i>Materials</i> , 2018, 11, 1224.	2.9	11
11	Volume Texture and Anisotropic Thermoelectric Properties in $Ca_3Co_4O_9$ Bulk Materials. <i>Materials Today: Proceedings</i> , 2015, 2, 637-646.	1.8	6
12	Mechanical properties of $Ca_3Co_4O_9$ bulk oxides intended to be used in thermoelectric generators. <i>Ceramics International</i> , 2014, 40, 10237-10246.	4.8	17
13	An Effective Approach for the Development of Reliable YBCO Bulk Cryomagnets with High Trapped Field Performances. <i>Advanced Functional Materials</i> , 2014, 24, 3996-4004.	14.9	41
14	Thermoelectric properties of $Ca_{0.9}Yb_{0.1}MnO_3$ prepared by spark plasma sintering in air atmosphere. <i>Scripta Materialia</i> , 2013, 68, 949-952.	5.2	14
15	Thermoelectric $Ca_{0.9}Yb_{0.1}MnO_3$ grain growth controlled by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2013, 33, 1755-1762.	5.7	12
16	Enhanced thermoelectric performance in spark plasma textured bulk n-type $BiTe_{2.7}Se_{0.3}$ and p-type $Bi_{0.5}Sb_{1.5}Te_3$. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	49
17	High trapped field performances in thin-wall $YBa_2Cu_3O_{7-\delta}$ bulk cryomagnets. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	7
18	Thin-Wall Bulk High Temperature Superconductor as a Permanent Cryomagnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 6800304-6800304.	1.7	3

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19	Toward the enhancement of thermoelectric properties of lamellar Ca ₃ Co ₄ O ₉ by edge-free spark plasma texturing. <i>Scripta Materialia</i> , 2012, 66, 258-260.	5.2	89
20	Development of multilayer textured Ca ₃ Co ₄ O ₉ materials for thermoelectric generators: Influence of the anisotropy on the transport properties. <i>Journal of the European Ceramic Society</i> , 2012, 32, 2405-2414.	5.7	65
21	Anisotropy of the Mechanical and Thermoelectric Properties of Hot-Pressed Single-Layer and Multilayer Thick Ca ₃ Co ₄ O ₉ Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 214-226.	2.1	54
22	Spark Plasma Sintering of n-Type Thermoelectric Ca _{0.95} Sm _{0.05} MnO ₃ . <i>Journal of the American Ceramic Society</i> , 2011, 94, 2608-2612.	3.8	18
23	Ca ₃ Co ₄ O ₉ ceramics consolidated by SPS process: Optimisation of mechanical and thermoelectric properties. <i>Materials Research Bulletin</i> , 2010, 45, 1240-1249.	5.2	83
24	Texture, mechanical and thermoelectric properties of Ca ₃ Co ₄ O ₉ ceramics. <i>Journal of Alloys and Compounds</i> , 2010, 490, 472-479.	5.5	92
25	Infiltration and Top Seed Growth of Textured YBCO Bulks With Multiple Holes. <i>Journal of the American Ceramic Society</i> , 2007, 90, 2784-2790.	3.8	28
26	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. <i>Journal of Applied Crystallography</i> , 2005, 38, 199-210.	4.5	28
27	Improvement of Critical Current Density and Flux Trapping in Bulk High-T _c Superconductors. , 0, , .		1