

Maria A Madre

List of Publications by Year in descending order

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147801

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docs citations

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times ranked

691
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#	ARTICLE	IF	CITATIONS
1	Drastic microstructural modification of Bi ₂ Ca ₂ Co ₂ O ceramics by Na doping and laser texturing. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2022, 61, 634-640.	1.9	1
2	U-type unileg thermoelectric module: A novel structure for high-temperature application with long lifespan. Energy, 2022, 238, 121771.	8.8	7
3	Enhanced Superconducting Properties in Bi ₂ Sr ₂ Ca ₁ Cu _{1.75} Na _{0.25} O _y Ceramics Prepared by Hot-Pressing Under Different Pressures and Temperatures. Journal of Superconductivity and Novel Magnetism, 2022, 35, 1831-1838.	1.8	4
4	Role of Y substitution for Ca-site on magneto-resistivity properties of Bi-2212 superconductor rods prepared by LFZ. Materials Chemistry and Physics, 2022, 282, 125995.	4.0	0
5	Influence of ceramic particles additions on the properties of Ca ₃ Co ₄ O ₉ . SN Applied Sciences, 2022, 4, 1.	2.9	2
6	Drastic enhancement of mechanical properties of Ca ₃ Co ₄ O ₉ by B ₄ C addition. Journal of the European Ceramic Society, 2021, 41, 402-408.	5.7	9
7	Exploring the High-Temperature Electrical Performance of Ca ₃ â ^x LaxCo ₄ O ₉ Thermoelectric Ceramics for Moderate and Low Substitution Levels. Symmetry, 2021, 13, 782.	2.2	2
8	Significant enhancement of superconducting performances of Bi-2212 fibers through combined sodium substitution and LFZ process. Journal of Materials Science: Materials in Electronics, 2021, 32, 17686-17699.	2.2	3
9	Tuning thermoelectric properties of Bi ₂ Ca ₂ Co ₂ O _y through K doping and laser floating zone processing. Solid State Sciences, 2021, 120, 106732.	3.2	2
10	Detail investigation of thermoelectric performance and magnetic properties of Cs-doped Bi ₂ Sr ₂ Co ₂ O _y ceramic materials. SN Applied Sciences, 2021, 3, 1.	2.9	4
11	Effect of annealing and potassium substitution on the thermoelectric and magnetic properties of directionally grown Bi ₂ Sr ₂ Co ₂ O ceramics. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2020, 59, 121-128.	1.9	3
12	Enhancement of electrical conductivity of Ca _{2.93} Sr _{0.07} Co ₄ O ₉ thick films via hot uniaxial pressing. International Journal of Applied Ceramic Technology, 2020, 17, 1322-1327.	2.1	5
13	Effect of Rubidium Substitution on the Physical and Superconducting Properties of Textured High-T _c BSCCO Samples. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1285-1292.	1.8	6
14	Tuning thermoelectric properties of Ca _{0.9} Gd _{0.1} MnO ₃ by laser processing. Journal of Materials Science: Materials in Electronics, 2020, 31, 18913-18922.	2.2	4
15	Drastic modification of low temperature thermoelectric properties of Na-doped Bi ₂ Sr ₂ Co ₂ O _y ceramics prepared via laser floating zone technique. Journal of Materials Science: Materials in Electronics, 2020, 31, 15558-15564.	2.2	2
16	Reduction in Processing Time in Ca ₃ Co ₄ O ₉ +Î Ceramics through Nanoprecursors Produced by an Easily Scalable and Environmentally Friendly Process. Nanomaterials, 2020, 10, 2533.	4.1	1
17	Processing of Superconducting and Thermoelectric Bulk Materials Via Laser Technologies. NATO Science for Peace and Security Series C: Environmental Security, 2020, , 297-312.	0.2	0
18	Effect of alkaline earth dopant on density, mechanical, and electrical properties of Cu _{0.97} AE _{0.03} CrO ₂ (AE=â€‰%â€‰Mg, Ca, Sr, and Ba) delafossite oxide. Journal of the Australian Ceramic Society, 2019, 55, 257-263.	1.9	11

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19	Growth rate effects on the thermoelectric performance of CaMnO ₃ -based ceramics. Journal of the European Ceramic Society, 2019, 39, 4184-4188.	5.7	37
20	Effect of Cesium Substitution on the Superconducting Properties of Bi-2212 Samples Prepared Via Solid-State Reaction and Laser Floating Zone Technique. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3439-3448.	1.8	4
21	Improving thermoelectric properties of Ca ₃ Co ₄ O ₉ through both Na doping and K addition at optimal values. Journal of Materials Science: Materials in Electronics, 2019, 30, 8832-8837.	2.2	2
22	Effect of Carbon Nanotube Addition on the Superconducting Properties of BSCCO Samples Textured via Laser Floating Zone Technique. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3135-3141.	1.8	5
23	Unileg Thermoelectric Structure for Cycling Robustness at High Temperature and Low Manufacturing Cost. Journal of Electronic Materials, 2019, 48, 2010-2017.	2.2	3
24	Significant enhancement of the thermoelectric performance in Ca ₃ Co ₄ O ₉ thermoelectric materials through combined strontium substitution and hot-pressing process. Journal of the European Ceramic Society, 2019, 39, 1186-1192.	5.7	46
25	High-Temperature Stability of Hot-Pressed Sr-Doped Ca ₃ Co ₄ O ₉ . Journal of Electronic Materials, 2019, 48, 1965-1970.	2.2	4
26	Improvement of thermoelectric properties of Ca _{0.9} Gd _{0.1} MnO ₃ by powder engineering through K ₂ CO ₃ additions. Journal of Materials Science, 2019, 54, 3252-3261.	3.7	4
27	Effect of substrate on the microstructure and thermoelectric performances of Sr-doped Ca ₃ Co ₄ O ₉ thick films. Ceramics International, 2019, 45, 5431-5435.	4.8	6
28	Effect of simultaneous K, and Yb substitution for Ca on the microstructural and thermoelectric characteristics of CaMnO ₃ ceramics. Ceramics International, 2018, 44, 12697-12701.	4.8	21
29	Superconducting stacks. Materials Today, 2018, 21, 98-99.	14.2	1
30	High thermoelectric performances of Bi ₂ Co ₂ O ₇ compounds directionally growth from the melt. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2018, 57, 1-8.	1.9	2
31	Improvement of Bi ₂ Sr ₂ Co ₂ O ₇ thermoelectric performances by Na doping. Journal of Electroceramics, 2018, 40, 11-15.	2.0	21
32	Effect of Na-doping on thermoelectric and magnetic performances of textured Bi ₂ Sr ₂ Co ₂ O ₇ ceramics. Journal of the European Ceramic Society, 2018, 38, 515-520.	5.7	15
33	Improving bulk Ca ₃ Co ₄ O ₉ thermoelectric materials through Zr doping. Advances in Applied Ceramics, 2018, 117, 142-146.	1.1	7
34	New environmentally friendly Ba-Fe-O thermoelectric material by flexible laser floating zone processing. Scripta Materialia, 2018, 145, 54-57.	5.2	7
35	Influence of Ag on the Properties of Ca _{0.9} Yb _{0.1} MnO ₃ Sintered Ceramics. Materials, 2018, 11, 2503.	2.9	5
36	Effect of Na-substitution on magnetoresistance and flux pinning energy of Bi-2212 ceramics prepared via hot-forging process. Journal of Materials Science: Materials in Electronics, 2018, 29, 19147-19154.	2.2	5

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37	Effect of Na substitution and Ag addition on the superconducting properties of Bi-2212 textured materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6278-6283.	2.2	7
38	From nanosized precursors to high performance ceramics: The case of Bi ₂ Ca ₂ Co _{1.7} O _x . <i>Materials Letters</i> , 2017, 191, 14-16.	2.6	10
39	Preparation of high performance Bi ₂ Sr ₂ Co _{1.8} O _x thermoelectric materials from nanosized precursors. <i>Advances in Applied Ceramics</i> , 2017, 116, 383-391.	1.1	5
40	Effects of K substitution on thermoelectric and magnetic properties of Bi ₂ Sr ₂ Co ₂ O _y ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12652-12659.	2.2	8
41	Effect of precursors on the microstructure and electrical properties of Bi ₂ Ba ₂ Co ₂ O _x . <i>Journal of the Australian Ceramic Society</i> , 2017, 53, 583-590.	1.9	5
42	Effect of synthesis process on the densification, microstructure, and electrical properties of Ca _{0.9} Yb _{0.1} MnO ₃ ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 1190-1196.	2.1	19
43	General approach of the photothermoelectric technique for thermal characterization of solid thermoelectric materials. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 265501.	2.8	1
44	Enhanced electrical and thermoelectric properties from textured Bi _{1.6} Pb _{0.4} Ba ₂ Co ₂ O _y /Ag composites. <i>Journal of Materials Science</i> , 2017, 52, 4833-4839.	3.7	4
45	High mechanical and thermoelectric performances in hot-pressed CdO. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5518-5522.	2.2	2
46	Physical, electrical and magnetic properties of Cr doped Bi ₂ Sr ₂ Ca ₁ Cu ₂ Cr _x O _y (Bi-2212) superconductors prepared by laser floating zone technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 13120-13125.	2.2	0
47	Effect of Na substitution on superconducting properties of Bi-2212 ceramics prepared by Sinter-Forged process. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1007-1012.	5.7	24
48	Long-Term High-Temperature Stability of Directionally Grown [Bi ₂ Ba ₂ O ₄] _p [CoO ₂] Rods. <i>Materials</i> , 2017, 10, 146.	2.9	2
49	Thermal Conductivity and Thermoelectric Power of Yb-Substituted Bi-2212 Superconductor. <i>Journal of Physics: Conference Series</i> , 2016, 667, 012001.	0.4	1
50	Laser transmission welding as an assembling process for high temperature electronic packaging. , 2016, , .		2
51	Thermoelectric properties of directionally grown Bi ₂ Ba ₂ Co ₂ O ₁ /Ag composites: effect of annealing. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 12964-12973.	2.2	6
52	Tailoring Ca ₃ Co ₄ O ₉ microstructure and performances using a transient liquid phase sintering additive. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1025-1032.	5.7	38
53	Improvement of structural and superconducting properties of Bi-2212 textured rods by substituting sodium. <i>Ceramics International</i> , 2016, 42, 8473-8477.	4.8	16
54	Improved thermoelectric performances in textured Bi _{1.6} Pb _{0.4} Ba ₂ Co ₂ O _y /Ag composites. <i>Ceramics International</i> , 2016, 42, 18592-18596.	4.8	4

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55	Thermoelectrics. Materials Today, 2016, 19, 415-416.	14.2	4
56	In-situ measurements of temperature distribution during transmission laser welding of poly(aryletherketone). AIP Conference Proceedings, 2016, , .	0.4	0
57	Enhancement of magnetic relaxation behavior by texturing in Bi-2212 superconducting rods. Ceramics International, 2016, 42, 8325-8330.	4.8	2
58	Effect of Yttrium substitution on superconductivity in Bi-2212 textured rods prepared by a LFZ technique. Ceramics International, 2016, 42, 3418-3423.	4.8	18
59	Role of Ag in textured-annealed Bi ₂ Ca ₂ Co _{1.7} O _x thermoelectric ceramic. Acta Materialia, 2016, 102, 273-283.	7.9	22
60	High thermoelectric performance in Bi _{2-x} Pb _x Ba ₂ Co ₂ O _y promoted by directional growth and annealing. Journal of the European Ceramic Society, 2016, 36, 67-74.	5.7	26
61	Thermoelectric doping effect in Ca ₃ Co _{4-x} Ni _x O ₉ ceramics. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2015, 54, 21-27.	1.9	8
62	Effect of Secondary Annealing Process on Critical Current Density in Highly Textured Bi-2212 Superconducting System. Jom, 2015, 67, 2079-2086.	1.9	2
63	Thermal Conductivity and Thermoelectric Power of Potassium and Sodium-Substituted Bi-2212 Superconductor Prepared by PEI Technique. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2641-2647.	1.8	0
64	Very Large Superconducting Currents Induced by Growth Tailoring. Crystal Growth and Design, 2015, 15, 2094-2101.	3.0	52
65	The effect of environmental conditions on the mechanical and thermoelectric properties of Bi ₂ Ca ₂ Co _{1.7} O _x textured rods. Ceramics International, 2015, 41, 6358-6363.	4.8	5
66	Decrease of Ca ₃ Co ₄ O ₉ +Î thermal conductivity by Yb-doping. Ceramics International, 2015, 41, 12529-12534.	4.8	9
67	Thermoelectric properties in Ca ₃ Co ₄ ^x Mn _x O _y ceramics. Advances in Applied Ceramics, 2015, 114, 303-308.	1.1	6
68	Decrease of electrical resistivity in Ca ₃ Co ₄ O ₉ thermoelectric ceramics by Ti doping. Journal of Materials Science: Materials in Electronics, 2015, 26, 815-820.	2.2	7
69	Improvement of superconducting properties in Na-doped BSCCO superconductor. Journal of Materials Science: Materials in Electronics, 2015, 26, 441-447.	2.2	33
70	Sintering Effects in Na-Substituted Bi-(2212) Superconductor Prepared by a Polymer Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1913-1924.	1.8	15
71	High Thermoelectric Performances in Co-oxides Processed by a Laser Floating Zone Technique. Materials Today: Proceedings, 2015, 2, 654-660.	1.8	4
72	Enhancement of mechanical and thermoelectric properties of Ca ₃ Co ₄ O ₉ by Ag addition. Journal of the European Ceramic Society, 2015, 35, 3835-3841.	5.7	48

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73	Use of laser technology to produce high thermoelectric performances in Bi ₂ Sr ₂ Co _{1.8} O _x . Materials & Design, 2015, 75, 143-148.	5.1	29
74	Mechanical and thermoelectric environmental evolution properties of Bi ₂ Sr ₂ Co _{1.8} O _x ceramics textured by laser floating zone technique. Journal of Materials Science: Materials in Electronics, 2015, 26, 1461-1465.	2.2	2
75	Improvement of the intergranular pinning energy in the Na-doped Bi-2212 superconductors. Journal of Materials Science: Materials in Electronics, 2015, 26, 2830-2837.	2.2	13
76	Grain alignment and its relationship with superconductivity and thermal transport of Ni-substituted Bi-2212 textured rods fabricated at two different growth rates. Journal of Materials Science: Materials in Electronics, 2015, 26, 3090-3099.	2.2	2
77	Improvement of thermoelectric properties in Ca ₃ Co ₄ O ₉ ceramics by Ba doping. Journal of Materials Science: Materials in Electronics, 2015, 26, 3466-3473.	2.2	13
78	Textured Pb-Doped Bi-2212 Superconductors for Current Limiters. Journal of Superconductivity and Novel Magnetism, 2015, 28, 447-452.	1.8	9
79	The Effect of K Substitution on Magnetoresistivity and Activation Energy of Bi-2212 System. Journal of Superconductivity and Novel Magnetism, 2015, 28, 553-559.	1.8	7
80	Composite Bi-2212/Ag Superconductors Grown by Laser Travelling Floating Zone at Low Rates. Journal of Superconductivity and Novel Magnetism, 2015, 28, 415-418.	1.8	3
81	Growth Speed and Substitution Effects on Alignment and Thermal Transport Properties of Bi-2212 Textured Superconductors. Jom, 2015, 67, 222-232.	1.9	2
82	Effect of Na doping on the Ca ₃ Co ₄ O ₉ thermoelectric performance. Ceramics International, 2015, 41, 10897-10903.	4.8	22
83	Fabrication and evolution of nanoprecursors to produce Bi(Pb)-2212/Ag textured superconducting composites. Ceramics International, 2015, 41, 14276-14284.	4.8	12
84	Relationship between microstructure and superconducting properties in hot-pressed Bi-2212/Ag ceramic composites. Ceramics International, 2015, 41, 14924-14929.	4.8	13
85	Effect of Yb substitution in Bi-2212 ceramics prepared by laser floating zone technique. Journal of Materials Science: Materials in Electronics, 2015, 26, 5761-5766.	2.2	1
86	Effect of synthesis methods on the Ca ₃ Co ₄ O ₉ thermoelectric ceramic performances. Journal of Solid State Chemistry, 2015, 221, 247-254.	2.9	49
87	Development of a new thermoelectric Bi ₂ Ca ₂ Co _{1.7} O _x +Ca ₃ Co ₄ O ₉ composite. Scripta Materialia, 2014, 80, 1-4.	5.2	14
88	Structural, Electrical, and Magnetic Properties of the Co-Substituted Bi-2212 System Textured by Laser Floating Zone Technique. Journal of Superconductivity and Novel Magnetism, 2014, 27, 53-59.	1.8	23
89	Effect of Ce Substitution on the Magnetoresistivity and Flux Pinning Energy of the Bi ₂ Sr ₂ Ca _{1-x} Ce _x Cu ₂ O ₈ + δ Superconductors. Journal of Low Temperature Physics, 2014, 174, 136-147.	1.4	24
90	Modification of thermoelectric properties in Ca ₃ Co ₄ O _y ceramics by Nd doping. Journal of Materials Science: Materials in Electronics, 2014, 25, 922-927.	2.2	4

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91	Effect of Ga addition on Ca-deficient Ca ₃ Co ₄ O _y thermoelectric materials. <i>Ceramics International</i> , 2014, 40, 6255-6260.	4.8	18
92	Thermoelectric properties of rare earth doped Ca _{3-x} RE _x Co ₄ O ₉ (RE = Dy, Er, Gd, and Tb; x = 0, 0.01, 0.03, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0). <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4476-4482.	2.2	13
93	Doping effect in Ca ₃ Co _{4-x} Zn _x O _y ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4033-4038.	2.2	2
94	Effect of K substitution on Structural, Electrical and Magnetic Properties of Bi-2212 system. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4476-4482.	2.2	13
95	Effect of Pb doping on the electrical properties of textured Bi-2212 superconductors. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2977-2982.	5.7	19
96	Processing effects on the thermoelectric properties of Bi _{2-x} Ca _x Co _{1.7} O ₉ ceramics. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2014, 53, 207-212.	1.9	2
97	Influence of Ca substitution by Mg on the Ca _{3-x} Co _{4-x} O ₉ performances. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2014, 53, 41-47.	1.9	6
98	The Influence of Postannealing on Structural and Superconducting Properties of Bi-2212 Ceramics. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 3247-3252.	1.8	9
99	Relationship Between Annealing Time and Magnetic Properties in Bi-2212 Textured Composites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 873-878.	1.8	30
100	Environmental Degradation Effect on the Properties of Bi-2212 Highly Textured Rods. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 895-900.	1.8	2
101	Effect of Current Polarity on BSCCO/Ag Ceramics Textured by Electrically Assisted Laser Floating Zone. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 943-946.	1.8	26
102	Effect of Postannealing Process on Bi ₂ Sr _{2.1} Ca _{0.9} Cu ₂ O _{8+δ} Textured Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 985-990.	1.8	9
103	Relationship Between Growth Speed and Magnetic Properties in Bi-2212/Ag Textured Composites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1093-1098.	1.8	17
104	Structural and Superconducting Properties of Magnetically Doped Bi-2212 Textured Rods Grown by Laser Floating Zone (LFZ) Technique. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1135-1141.	1.8	2
105	Effect of Fe Substitution for Cu on Microstructure and Magnetic Properties of Laser Floating Zone (LFZ) Grown Bi-2212 Rods. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1143-1149.	1.8	4
106	Effect of metallic Ag on the properties of Bi-2212 ceramic superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3344-3351.	2.2	11
107	Effect of Cu by Co substitution on Ca ₃ Co ₄ O ₉ thermoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2309-2314.	2.2	36
108	Effect of Yb-substitution on thermally activated flux creep in the Bi ₂ Sr ₂ Ca ₁ Cu ₂ Yb _x O _y superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2568-2575.	2.2	22

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109	New promising Co-free thermoelectric ceramic based on BaFeO ₃ oxide. Journal of Materials Science: Materials in Electronics, 2013, 24, 1832-1836.	2.2	2
110	Effect of Ce substitution on structural and superconducting properties of Bi-2212 system. Journal of Materials Science: Materials in Electronics, 2013, 24, 1580-1586.	2.2	21
111	Structural, superconducting and mechanical properties of molybdenum substituted Bi _{1.8} Sr ₂ Ca _{1.1} Cu _{2.1} O _y . Journal of Materials Science: Materials in Electronics, 2013, 24, 1158-1167.	2.2	17
112	Ceramics, squared. Materials Today, 2013, 16, 151-152.	14.2	0
113	Effect of Sr substitution for Ca on the Ca ₃ Co ₄ O ₉ thermoelectric properties. Journal of Alloys and Compounds, 2013, 577, 511-515.	5.5	66
114	Physical, Mechanical and Magnetic Properties of the Yb-Substituted Bi ₂ Sr ₂ Ca ₁ Cu ₂ O _y Textured Superconductor. Journal of Superconductivity and Novel Magnetism, 2013, 26, 111-115.	1.8	22
115	Improvement of textured Bi _{1.6} Pb _{0.4} Sr ₂ Co _{1.8} O thermoelectric performances by metallic Ag additions. Ceramics International, 2013, 39, 1597-1602.	4.8	43
116	Preparation of high-performance Ca ₃ Co ₄ O ₉ thermoelectric ceramics produced by a new two-step method. Journal of the European Ceramic Society, 2013, 33, 1747-1754.	5.7	73
117	Enhancement of Ca ₃ Co ₄ O ₉ thermoelectric properties by Cr for Co substitution. Ceramics International, 2013, 39, 6051-6056.	4.8	67
118	Modification of physical and structural properties of Bi _{1.8} Pb _{0.4} Sr ₂ Ca _{2.2} Cu ₃ O _y ceramics induced by annealing. Physica B: Condensed Matter, 2013, 426, 85-89.	2.7	12
119	Enhancement of the high-temperature thermoelectric performance of Bi ₂ Ba ₂ Co ₂ O _x ceramics. Scripta Materialia, 2013, 68, 75-78.	5.2	45
120	Effect of Ag additions on the Bi _{1.6} Pb _{0.4} Sr ₂ Co _{1.8} O _x thermoelectric properties. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2013, 52, 93-97.		
121	Growth rate effect on microstructure and thermoelectric properties of melt grown Bi ₂ Ba ₂ Co ₂ O _x textured ceramics. Advances in Applied Ceramics, 2012, 111, 490-494.	1.1	36
122	Electrical Polarization Effect on Bi ₂ Ca ₂ Co _{1.7} O _x thermoelectrics grown by laser floating zone. Microscopy and Microanalysis, 2012, 18, 93-94.	0.4	5
123	Effect of annealing on the thermoelectric properties of directionally grown Bi ₂ Sr ₂ Co _{1.8} O _x ceramics. Ceramics International, 2012, 38, 5419-5424.	4.8	17
124	A thermoelectric by any other name. Materials Today, 2012, 15, 415.	14.2	1
125	Effect of Ag addition on the mechanical and thermoelectric performances of annealed Bi ₂ Sr ₂ Co _{1.8} O _x textured ceramics. Journal of the European Ceramic Society, 2012, 32, 3745-3751.	5.7	42
126	Relationship Between Growth Speed, Microstructure, Mechanical and Electrical Properties in Bi-2212/Ag Textured Composites. Journal of Superconductivity and Novel Magnetism, 2012, 25, 799-804.	1.8	49

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127	Improvement of thermoelectric performances of Bi ₂ Sr ₂ Co _{1.8} O _x textured materials by Pb addition using a polymer solution method. <i>Materials Letters</i> , 2012, 76, 5-7.	2.6	14
128	New method to improve the grain alignment and performance of thermoelectric ceramics. <i>Materials Letters</i> , 2012, 83, 144-147.	2.6	53
129	Improvement of thermoelectric properties of Ca ₃ Co ₄ O ₉ using soft chemistry synthetic methods. <i>Journal of the European Ceramic Society</i> , 2012, 32, 2415-2422.	5.7	66
130	Mejora de las propiedades termoel�ctricas de Bi ₂ Sr ₂ Co _{1.8} O _x por m�todos de s�ntesis en disoluci�n. <i>Boletín De La Sociedad Espanola De Ceramíca Y Vidrio</i> , 2012, 51, 1-6.	1.9	12
131	Improved thermoelectric properties in directionally grown Bi ₂ Sr ₂ Co _{1.8} O _y ceramics by Pb for Bi substitution. <i>Materials Research Bulletin</i> , 2011, 46, 2537-2542.	5.2	45
132	Precursor Influence on the Electrical Properties of Textured Bi-2212 Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 19-25.	1.8	37
133	Solution-based synthesis routes to thermoelectric Bi ₂ Ca ₂ Co _{1.7} O _x . <i>Journal of the European Ceramic Society</i> , 2011, 31, 1763-1769.	5.7	53
134	Improved Thermoelectric Properties of Bi-M-Co-O (M=�Sr, Ca) Misfit Compounds by Laser Directional Solidification. <i>Journal of Electronic Materials</i> , 2010, 39, 1601-1605.	2.2	37
135	New solution method to produce high performance thermoelectric ceramics: A case study of Bi-Sr-Co-O. <i>Materials Letters</i> , 2010, 64, 2566-2568.	2.6	38
136	Enhancement of the thermoelectric properties of directionally grown Bi�Ca�Co�O through Pb for Bi substitution. <i>Journal of the European Ceramic Society</i> , 2010, 30, 1815-1820.	5.7	39
137	Floating zone Ag doped (Bi _{1.6} Pb _{0.4})Sr ₂ CaCu ₂ O _{8+x} textured rods. <i>Advances in Applied Ceramics</i> , 2009, 108, 285-289.	1.1	14
138	The influence of Pb and Ag doping on the J _c (H, T) dependence and the mechanical properties of Bi-2212 textured rods. <i>Superconductor Science and Technology</i> , 2009, 22, 034012.	3.5	52
139	Improvement of Bi ₂ Sr ₂ Co _{1.8} O _x thermoelectric properties by laser floating zone texturing. <i>Solid State Ionics</i> , 2009, 180, 827-830.	2.7	45
140	Dynamic fatigue behaviour of Ag-doped Bi-2212 textured thin rods. <i>Journal of Physics: Conference Series</i> , 2009, 153, 012021.	0.4	2
141	Barras texturadas de (Bi _{1.6} Pb _{0.4})Sr ₂ CaCu ₂ O _{8+�} dopadas con Ag. <i>Boletín De La Sociedad Espanola De Ceramíca Y Vidrio</i> , 2008, 47, 148-152.	1.9	38
142	Cer�micas termoel�ctricas Bi ₂ Sr ₂ CaCu ₂ O _{8+x} texturadas mediante fusi�n zonal flotante inducida por l�ser. <i>Boletín De La Sociedad Espanola De Ceramíca Y Vidrio</i> , 2008, 47, 225-228.	1.9	38
143	Fabrication and properties of textured Bi-based cobaltite thermoelectric rods by zone melting. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3697-3700.	5.7	39
144	Stress corrosion cracking of Bi-2212 thin rods. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3963-3966.	5.7	4

#	ARTICLE	IF	CITATIONS
145	Properties variation of Bi-2212 directionally solidified induced by 0.4Pb substitution. Journal of the European Ceramic Society, 2007, 27, 3959-3962.	5.7	33
146	Estudio del eutáctico $\text{Al}_2\text{O}_3\text{-ZrO}_2$ (3%) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (Y_{2O_3}) Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2007, 46, 119-122.	1.9	3
147	Variación de las curvas E-I en la transición normal superconductor de cerámicas texturadas Bi-2212 por adición de Pb. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2006, 45, 228-232.	1.9	29
148	Ag distribution in thick Bi-2212 floating zone textured rods. Journal of the European Ceramic Society, 2005, 25, 2947-2950.	5.7	60
149	Efecto de la adición de Ag en Bi-2212 texturado mediante laser. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2005, 44, 199-203.	1.9	46
150	Variation of mechanical and electrical performances of $\text{Bi}_2\text{Ca}_2\text{Co}_{1.7}\text{O}_x$ ceramics above working conditions. Journal of Materials Science: Materials in Electronics, 0, , .	2.2	0