

# JosÃ© Francisco Fernandez

## List of Publications by Year in descending order

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362  
papers

9,286  
citations

66250

44  
h-index

87275

74  
g-index

375  
all docs

375  
docs citations

375  
times ranked

10273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered feldspar-based ceramics: A review of their potential in ceramic industry. Journal of the European Ceramic Society, 2022, 42, 307-326.	2.8	21
2	Effect of organic solvent on the cold sintering processing of SrFe <sub>12</sub> O <sub>19</sub> platelet-based permanent magnets. Journal of the European Ceramic Society, 2022, 42, 1014-1022.	2.8	7
3	The challenge of antimicrobial glazed ceramic surfaces. Ceramics International, 2022, 48, 7393-7404.	2.3	13
4	Thermal response of active Si in press-fit rectifier diodes by confocal Raman microscopy: Influence of diode design and technology. Journal of Materials Research and Technology, 2022, 18, 2570-2581.	2.6	5
5	Dense strontium hexaferrite-based permanent magnet composites assisted by cold sintering process. Journal of Alloys and Compounds, 2022, 917, 165531.	2.8	14
6	Enhancing NIR emission in ZnAl <sub>2</sub> O <sub>4</sub> :Nd,Ce nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity. Journal of Materials Chemistry C, 2021, 9, 657-670.	2.7	13
7	Improvement of the magnetic properties of SrFe <sub>12</sub> O <sub>19</sub> ceramics by tailored sintering with SiO <sub>2</sub> addition. Journal of Alloys and Compounds, 2021, 860, 157890.	2.8	15
8	Improvement of thermal efficiency in cement mortars by using synthetic feldspars. Construction and Building Materials, 2021, 269, 121279.	3.2	8
9	Towards more sustainable building based on modified Portland cements through partial substitution by engineered feldspars. Construction and Building Materials, 2021, 269, 121334.	3.2	13
10	Accelerated disintegration of compostable Ecovio polymer by using ZnO particles as filler. Polymer Degradation and Stability, 2021, 185, 109501.	2.7	24
11	Functionally Graded Tunable Microwave Absorber with Graphene-Augmented Alumina Nanofibers. ACS Applied Materials & Interfaces, 2021, 13, 21613-21625.	4.0	13
12	Photocontrolled Strain in Polycrystalline Ferroelectrics via Domain Engineering Strategy. ACS Applied Materials & Interfaces, 2021, 13, 20858-20864.	4.0	15
13	Effect of BaCO <sub>3</sub> reactivity and mixing procedure on sulfate-resistant cement performance. Cement and Concrete Composites, 2021, 120, 104038.	4.6	3
14	Aluminate-Based Nanostructured Luminescent Materials: Design of Processing and Functional Properties. Materials, 2021, 14, 4591.	1.3	3
15	Hexaferrite-based permanent magnets with upper magnetic properties by cold sintering process via a non-aqueous solvent. Acta Materialia, 2021, 219, 117262.	3.8	22
16	Tubular ring thermoelectric module for exhaust pipes: From Skutterudite nanopowders to the final device. Energy, 2021, 234, 121223.	4.5	7
17	Greener processing of SrFe <sub>12</sub> O <sub>19</sub> ceramic permanent magnets by two-step sintering. Ceramics International, 2021, 47, 31765-31771.	2.3	10
18	Boosting the coercivity of SrFe <sub>12</sub> O <sub>19</sub> nanocrystalline powders obtained using the citrate combustion synthesis method. Journal Physics D: Applied Physics, 2021, 54, 014002.	1.3	7

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19	Uncorrelated magnetic domains in decoupled SrFe <sub>12</sub> O <sub>19</sub> /Co hard/soft bilayers. Journal Physics D: Applied Physics, 2021, 54, 054003.	1.3	3
20	Pt-free CoAl <sub>2</sub> O <sub>4</sub> catalyst for soot combustion with NO <sub>x</sub> /O <sub>2</sub> . Applied Catalysis A: General, 2020, 591, 117404.	2.2	13
21	Ceramic Injection Moulding of engineered glass-ceramics: Boosting the rare-earth free photoluminescence. Ceramics International, 2020, 46, 9334-9341.	2.3	11
22	Boosting phosphorescence efficiency by crystal anisotropy in SrAl <sub>2</sub> O <sub>4</sub> :Eu,Dy textured ceramic layers. Journal of the European Ceramic Society, 2020, 40, 1677-1683.	2.8	9
23	Crystal defects and optical emissions of pulse electrodeposited ZnO. Electrochimica Acta, 2020, 357, 136662.	2.6	9
24	FeCo Nanowire-Strontium Ferrite Powder Composites for Permanent Magnets with High-Energy Products. ACS Applied Nano Materials, 2020, 3, 9842-9851.	2.4	14
25	Tailoring dielectric properties of cordierite-mullite ceramics through Ceramic Injection Moulding. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114783.	1.7	7
26	Cold sintering process of ZnO ceramics: Effect of the nanoparticle/microparticle ratio. Journal of the European Ceramic Society, 2020, 40, 5535-5542.	2.8	38
27	The Benefits of the ZnO/Clay Composite Formation as a Promising Antifungal Coating for Paint Applications. Applied Sciences (Switzerland), 2020, 10, 1322.	1.3	21
28	Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. Materials Chemistry Frontiers, 2020, 4, 1222-1230.	3.2	11
29	Pt mechanical dispersion on non-porous alumina for soot oxidation. Catalysis Communications, 2020, 140, 105999.	1.6	10
30	Performance and Stability of Wet-Milled CoAl <sub>2</sub> O <sub>4</sub> , Ni/CoAl <sub>2</sub> O <sub>4</sub> , and Pt,Ni/CoAl <sub>2</sub> O <sub>4</sub> for Soot Combustion. Catalysts, 2020, 10, 406.	1.6	14
31	Magnetostatic determination of variations of internal stress in magnetic steels. AIP Advances, 2020, 10, 115302.	0.6	3
32	Critical aspects in the handling of reactive silica in cementitious materials: Effectiveness of rice husk ash vs nano-silica in mortar dosage. Construction and Building Materials, 2019, 223, 360-367.	3.2	33
33	Temperature Assessment Of Microwave-Enhanced Heating Processes. Scientific Reports, 2019, 9, 10809.	1.6	43
34	Towards Blue Long-Lasting Luminescence of Eu/Nd-Doped Calcium-Aluminate Nanostructured Platelets via the Molten Salt Route. Nanomaterials, 2019, 9, 1473.	1.9	18
35	Highly Efficient Antimicrobial Ceramics Based on Electrically Charged Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 39254-39262.	4.0	6
36	Study of the crystallization in fast sintered Na-rich plagioclase glass-ceramic. Ceramics International, 2019, 45, 8899-8907.	2.3	14

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37	Absence of surface flaking in hierarchical glass-ceramic coating: High impact resistant ceramic tiles. Journal of the European Ceramic Society, 2019, 39, 4450-4456.	2.8	11
38	Revealing the Role of the Intermediates during the Synthesis of BaTi5O11. Inorganic Chemistry, 2019, 58, 8120-8129.	1.9	4
39	Enhanced wear resistance of engineered glass-ceramic by nanostructured self-lubrication. Materials and Design, 2019, 168, 107623.	3.3	23
40	Tunable UV/blue luminescence in rare-earth free glass-ceramic phosphor. Journal of the European Ceramic Society, 2019, 39, 3221-3228.	2.8	12
41	Photo-Controlled Ferroelectric-Based Nanoactuators. ACS Applied Materials & Interfaces, 2019, 11, 13921-13926.	4.0	23
42	The fight against multidrug-resistant organisms: The role of ZnO crystalline defects. Materials Science and Engineering C, 2019, 99, 575-581.	3.8	17
43	In situ characterization of main reaction products in alkali-activated slag materials by Confocal Raman Microscopy. Cement and Concrete Composites, 2019, 99, 32-39.	4.6	39
44	Structural insights of hierarchically engineered feldspars by confocal Raman microscopy. Journal of Raman Spectroscopy, 2019, 50, 741-754.	1.2	8
45	In situ full view of the Portland cement hydration by confocal Raman microscopy. Journal of Raman Spectroscopy, 2019, 50, 720-730.	1.2	28
46	Microstructural study of dielectric breakdown in glass-ceramics insulators. Journal of the European Ceramic Society, 2019, 39, 376-383.	2.8	14
47	Investigation of thermal stability of 2D and 3D CoAl2O4 particles in core-shell nanostructures by Raman spectroscopy. Journal of Alloys and Compounds, 2019, 779, 244-254.	2.8	41
48	Investigating Raman spectra and density functional theory calculations on SrAl <sub>2</sub> O <sub>4</sub> polymorphs. Journal of Raman Spectroscopy, 2019, 50, 91-101.	1.2	9
49	A step ahead on efficient microwave heating for kaolinite. Applied Clay Science, 2019, 168, 237-243.	2.6	31
50	Poling and depoling influence on the micro-stress states and phase coexistence in KNN-based piezoelectric ceramics. Journal of the European Ceramic Society, 2019, 39, 1011-1019.	2.8	15
51	Enhanced luminescence in rare-earth-free fast-sintering glass-ceramic. Optica, 2019, 6, 668.	4.8	16
52	Confocal Raman Microscopy Can Make a Large Difference: Resolving and Manipulating Ferroelectric Domains for Piezoelectric Engineering. Springer Series in Surface Sciences, 2018, , 531-556.	0.3	3
53	A simple vibrating sample magnetometer for macroscopic samples. Review of Scientific Instruments, 2018, 89, 034707.	0.6	27
54	Hierarchical micro-nanostructured albite-based glass-ceramic for high dielectric strength insulators. Journal of the European Ceramic Society, 2018, 38, 2759-2766.	2.8	31

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55	Reversible optical control of macroscopic polarization in ferroelectrics. <i>Nature Photonics</i> , 2018, 12, 29-32.	15.6	97
56	AC electrical conduction mechanisms and dielectrical studies of DD3 kaolin sintered at high temperature. <i>Materials Chemistry and Physics</i> , 2018, 212, 187-195.	2.0	6
57	Long lasting phosphors: SrAl <sub>2</sub> O <sub>4</sub> :Eu, Dy as the most studied material. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 2759-2770.	8.2	181
58	Experimental evidence of charged domain walls in lead-free ferroelectric ceramics: light-driven nanodomain switching. <i>Nanoscale</i> , 2018, 10, 705-715.	2.8	29
59	Exchange-spring behavior below the exchange length in hard-soft bilayers in multidomain configurations. <i>Physical Review B</i> , 2018, 98, .	1.1	13
60	Feasible glass melting process assisted by microwaves. <i>International Journal of Applied Glass Science</i> , 2018, 10, 208.	1.0	4
61	Ag-AgO nanostructures on glass substrates by solid-state dewetting: From extended to localized surface plasmons. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	16
62	Tailoring nanostructured surfaces with plasmonic/magnetic multifunctional response. <i>Applied Physics Letters</i> , 2018, 113, 101908.	1.5	2
63	Viability Study of a Safe Method for Health to Prepare Cement Pastes with Simultaneous Nanometric Functional Additions. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-13.	1.0	2
64	Light-Induced Capacitance Tunability in Ferroelectric Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21804-21807.	4.0	28
65	Europium monoxide nanocrystalline thin films with high near-infrared transparency. <i>Applied Surface Science</i> , 2018, 456, 980-984.	3.1	12
66	Effect of wavelength, deposition temperature and substrate type on cobalt ferrite thin films grown by pulsed laser deposition. <i>Applied Surface Science</i> , 2018, 452, 19-31.	3.1	29
67	Unveiling the role of the hexagonal polymorph on SrAl <sub>2</sub> O <sub>4</sub> -based phosphors. <i>RSC Advances</i> , 2018, 8, 28918-28927.	1.7	10
68	Model to evaluate the thermal comfort factor: Dynamic measurement of heat flow in building materials. <i>Journal of Building Engineering</i> , 2018, 20, 344-352.	1.6	2
69	ZnO Nanoporous Spheres with Broad-Spectrum Antimicrobial Activity by Physicochemical Interactions. <i>ACS Applied Nano Materials</i> , 2018, 1, 3214-3225.	2.4	39
70	Multifunctional ZnO/Fe-O and graphene oxide nanocomposites: Enhancement of optical and magnetic properties. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3747-3758.	2.8	8
71	New strategy to mitigate urban heat island effect: Energy saving by combining high albedo and low thermal diffusivity in glass ceramic materials. <i>Solar Energy</i> , 2017, 149, 114-124.	2.9	44
72	Understanding the piezoelectric properties in potassium-sodium niobate-based lead-free piezoceramics: Interrelationship between intrinsic and extrinsic factors. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3501-3509.	2.8	90

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73	Thermoelectric Skutterudite/oxide nanocomposites: Effective decoupling of electrical and thermal conductivity by functional interfaces. <i>Nano Energy</i> , 2017, 31, 393-402.	8.2	34
74	Unaltered reversible magnetic transition in Fe nanostructures upon ambient exposure. <i>Ultramicroscopy</i> , 2017, 181, 70-73.	0.8	1
75	Precise Tuning of the Nanostructured Surface leading to the Luminescence Enhancement in SrAl <sub>2</sub> O <sub>4</sub> Based Core/Shell Structure. <i>Scientific Reports</i> , 2017, 7, 462.	1.6	22
76	Moving into advanced nanomaterials. Toxicity of rutile TiO <sub>2</sub> nanoparticles immobilized in nanokaolin nanocomposites on HepG2 cell line. <i>Toxicology and Applied Pharmacology</i> , 2017, 316, 114-122.	1.3	35
77	Mechanical properties enhancement in potassium-sodium niobate lead-free piezoceramics: the impact of chemical modifications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5128-5134.	1.1	5
78	One more step against nanotoxicity: Hierarchical particles designed to antifungal properties. <i>Materials and Design</i> , 2017, 134, 188-195.	3.3	13
79	Exploring New Mechanisms for Effective Antimicrobial Materials: Electric Contact-Killing Based on Multiple Schottky Barriers. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26219-26225.	4.0	16
80	Reprint of Unaltered reversible magnetic transition in Fe nanostructures upon ambient exposure. <i>Ultramicroscopy</i> , 2017, 183, 15-18.	0.8	0
81	New insights in weathering analysis of anhydrous cements by using high spectral and spatial resolution Confocal Raman Microscopy. <i>Cement and Concrete Research</i> , 2017, 100, 119-128.	4.6	39
82	A novel route to obtain metal and oxide nanoparticles co-existing on a substrate. <i>Materials Today Chemistry</i> , 2017, 4, 64-72.	1.7	13
83	In-situ desorption of magnesium hydride irradiated and non-irradiated thin films: Relation to optical properties. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2381-2388.	2.8	6
84	Electron Paramagnetic Resonance study of hopping in CCTO mixed with TiO <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2017, 692, 212-218.	2.8	7
85	2D particles forming a nanostructured shell: A step forward cool NIR reflectivity for CoAl <sub>2</sub> O <sub>4</sub> pigments. <i>Dyes and Pigments</i> , 2017, 137, 1-11.	2.0	62
86	Opening a New Gate to Glass Preservative with Long-Lasting Antimicrobial Activity as Replacement of Parabens. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 294-302.	3.2	5
87	Inter-grain effects on the magnetism of M-type strontium ferrite. <i>Journal of Alloys and Compounds</i> , 2017, 692, 280-287.	2.8	6
88	Confocal Raman Microscopy: new perspective on the weathering of anhydrous cement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 251, 012035.	0.3	1
89	Energy Product Enhancement in Imperfectly Exchange-Coupled Nanocomposite Magnets. <i>Advanced Electronic Materials</i> , 2016, 2, 1500365.	2.6	47
90	Effect of x-ray irradiation on Co-phthalocyanine thin films studied by surface plasmon resonance. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 125503.	1.3	1

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91	The impact of the synthesis conditions on SrAl <sub>2</sub> O <sub>4</sub> :Eu, Dy formation for a persistent afterglow. <i>Materials and Design</i> , 2016, 108, 354-363.	3.3	33
92	Extrinsic response enhancement at the polymorphic phase boundary in piezoelectric materials. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	24
93	Towards high performance CoFe <sub>2</sub> O <sub>4</sub> isotropic nanocrystalline powder for permanent magnet applications. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	30
94	Symmetry constraints during the development of anisotropic spinodal patterns. <i>Scientific Reports</i> , 2016, 6, 20806.	1.6	12
95	Extensive domain wall contribution to strain in a (K,Na)NbO <sub>3</sub> -based lead-free piezoceramics quantified from high energy X-ray diffraction. <i>Journal of the European Ceramic Society</i> , 2016, 36, 2489-2494.	2.8	34
96	Effective Air-Spray Deposition of Thin Films Obtained by Sol-Gel Process onto Complex Pieces of Sanitary Ware. <i>Journal of the American Ceramic Society</i> , 2016, 99, 72-78.	1.9	5
97	The impact of microstructure in (K,Na)NbO <sub>3</sub> -based lead-free piezoelectric fibers: From processing to device production for structural health monitoring. <i>Journal of the European Ceramic Society</i> , 2016, 36, 2745-2754.	2.8	8
98	Effect of lanthanide doping on structural, microstructural and functional properties of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> lead-free piezoceramics. <i>Ceramics International</i> , 2016, 42, 17530-17538.	2.3	24
99	Two state coercivity driven by phase coexistence in vanadium sesquioxide/nickel bulk hybrid material. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	3
100	Efficient encapsulation of low dimensional particles in thin films to obtain functional coatings. <i>Materials and Design</i> , 2016, 104, 87-94.	3.3	2
101	Self-Forming 3D Core-Shell Ceramic Nanostructures for Halogen-Free Flame Retardant Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9462-9471.	4.0	21
102	Feasible integration in asphalt of piezoelectric cymbals for vibration energy harvesting. <i>Energy Conversion and Management</i> , 2016, 112, 246-253.	4.4	115
103	Enhancement of UV absorption behavior in ZnO-TiO <sub>2</sub> composites. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2016, 55, 55-62.	0.9	84
104	Tuning Eu <sup>3+</sup> emission in europium sesquioxide films by changing the crystalline phase. <i>Applied Surface Science</i> , 2016, 374, 71-76.	3.1	14
105	Influence of the nanoparticles agglomeration state in the quantum-confinement effects: Experimental evidences. <i>AIP Advances</i> , 2015, 5, .	0.6	23
106	Atomically Flat Ultrathin Cobalt Ferrite Islands. <i>Advanced Materials</i> , 2015, 27, 5955-5960.	11.1	26
107	Stabilization of cubic phase in dense Eu <sub>2</sub> O <sub>3</sub> ceramics. <i>Materials Letters</i> , 2015, 157, 77-80.	1.3	12
108	Influence of surface modifiers on hydrothermal synthesis of K <sub>x</sub> Na <sub>(1-x)</sub> NbO <sub>3</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 9402-9408.	1.1	6

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109	Tailoring of the electrical properties of carbon black-silica coatings for de-icing applications. <i>Ceramics International</i> , 2015, 41, 2735-2743.	2.3	17
110	Indirect measurement of stress distribution in quartz particles embedded in a glass matrix by using confocal Raman microscopy. <i>Ceramics International</i> , 2015, 41, 13598-13606.	2.3	23
111	Reversible temperature-driven domain transition in bistable Fe magnetic nanostrips grown on Ru(0001). <i>Physical Review B</i> , 2015, 92, .	1.1	4
112	Skutterudites as thermoelectric materials: revisited. <i>RSC Advances</i> , 2015, 5, 41653-41667.	1.7	293
113	Ferroelectric domain wall motion induced by polarized light. <i>Nature Communications</i> , 2015, 6, 6594.	5.8	138
114	A low-energy milling approach to reduce particle size maintains the luminescence of strontium aluminates. <i>RSC Advances</i> , 2015, 5, 42559-42567.	1.7	30
115	Revealing the role of cationic displacement in potassium-sodium niobate lead-free piezoceramics by adding $W^{6+}$ ions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4168-4178.	2.7	36
116	Lead-Free Piezoceramics: Revealing the Role of the Rhombohedral-Tetragonal Phase Coexistence in Enhancement of the Piezoelectric Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23080-23088.	4.0	122
117	Original Synthetic Route To Obtain a $SrAl_2O_4$ Phosphor by the Molten Salt Method: Insights into the Reaction Mechanism and Enhancement of the Persistent Luminescence. <i>Inorganic Chemistry</i> , 2015, 54, 9896-9907.	1.9	59
118	Role of the oxidizing agent to complete the synthesis of strontium aluminate based phosphors by the combustion method. <i>RSC Advances</i> , 2015, 5, 3104-3112.	1.7	32
119	Designing nanostructured strontium aluminate particles with high luminescence properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1268-1276.	2.7	35
120	Nanostructured ZnO/sepiolite monolithic sorbents for $H_2S$ removal. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1306-1316.	5.2	33
121	Effective high-energy ball milling in air of Fe <sub>65</sub> Co <sub>35</sub> alloys. <i>Journal of Applied Physics</i> , 2014, 115, 17B505.	1.1	15
122	On the origin of remanence enhancement in exchange-uncoupled CoFe <sub>2</sub> O <sub>4</sub> -based composites. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	30
123	Sintering behaviour and translucency of dense Eu <sub>2</sub> O <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1803-1808.	2.8	19
124	Influence of B-site compositional homogeneity on properties of (K <sub>0.44</sub> Na <sub>0.52</sub> Li <sub>0.04</sub> )(Nb <sub>0.86</sub> Ta <sub>0.10</sub> Sb <sub>0.04</sub> )O <sub>3</sub> -based piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2249-2257.	2.8	16
125	Conductive coatings with low carbon-black content by adding carbon nanofibers. <i>Composites Science and Technology</i> , 2014, 93, 9-16.	3.8	26
126	Ordered three-dimensional interconnected nanoarchitectures in anodic porous alumina. <i>Nature Communications</i> , 2014, 5, 5130.	5.8	131

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127	New insights into the properties of $K_xNa_{(1-x)}NbO_3$ ceramics obtained by hydrothermal synthesis. <i>Ceramics International</i> , 2014, 40, 14701-14712.	2.3	20
128	Characterization of Carbon Nanoparticles in Thin-Film Nanocomposites by Confocal Raman Microscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10488-10494.	1.5	16
129	Determination of effective electrode configuration for electrical measurements of carbon thin conductive coatings. <i>Materials Science in Semiconductor Processing</i> , 2014, 23, 110-114.	1.9	2
130	High Strain in $(K,Na)NbO_3$ -Based Lead-Free Piezoelectric Fibers. <i>Chemistry of Materials</i> , 2014, 26, 3838-3848.	3.2	79
131	Respuesta Ferro-Piezoelectrica de $(K,Na,Li)(Nb,Ta,Sb)O_3$ Poroso. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2014, 53, 48-52.	0.9	3
132	Effect of the dry nanodispersion procedure in the magnetic order of the $Co_3O_4$ surface. <i>Ceramics International</i> , 2013, 39, 4377-4381.	2.3	10
133	Inorganic hydrophobic coatings: Surfaces mimicking the nature. <i>Ceramics International</i> , 2013, 39, 2489-2495.	2.3	23
134	Influence of the pH and ageing time on the acid aluminum phosphate synthesized by precipitation. <i>CrystEngComm</i> , 2013, 15, 3359.	1.3	21
135	Correlation between intrinsic defect and carrier transport in ZnO thin films by confocal Raman spectroscopy. <i>Materials Letters</i> , 2013, 109, 167-171.	1.3	8
136	Structure, microstructure and electrical properties of $Cu^{2+}$ doped $(K,Na,Li)(Nb,Ta,Sb)O_3$ piezoelectric ceramics. <i>Ceramics International</i> , 2013, 39, 4139-4149.	2.3	43
137	Study of the nanoparticle/microparticle powder systems by dry dispersion. <i>Ceramics International</i> , 2013, 39, 1631-1637.	2.3	4
138	Control of the Interphases Formation Degree in $Co_3O_4/ZnO$ Catalysts. <i>ChemCatChem</i> , 2013, 5, 1431-1440.	1.8	28
139	Influence of $MoO_3$ on electrical and microstructural properties of $(K_{0.44}Na_{0.52}Li_{0.04})(Nb_{0.86}Ta_{0.10}Sb_{0.04})O_3$ . <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3587-3593.	1.1	10
140	Influence of organic modifier characteristic on the mechanical properties of polyamide 6/organosepiolite nanocomposites. <i>Composites Part B: Engineering</i> , 2013, 45, 459-465.	5.9	36
141	Exploring different sintering atmospheres to reduce nonlinear response of modified KNN piezoceramics. <i>Journal of the European Ceramic Society</i> , 2013, 33, 825-831.	2.8	38
142	New concepts for process intensification in the conversion of glycerol carbonate to glycidol. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 575-579.	10.8	42
143	Resolution of the ferroelectric domains structure in $(K,Na)NbO_3$ -based lead-free ceramics by confocal Raman microscopy. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	25
144	Chemical Analysis with High Spatial Resolution by Rutherford Backscattering and Raman Confocal Spectroscopies: Surface Hierarchically Structured Glasses. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1783-1788.	1.9	13

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145	$ZnAl_2O_4$ and $(0.79)ZnAl_2O_4$ Microwave Dielectric Ceramics Prepared by Hot Pressing and Spark Plasma Sintering. Journal of the American Ceramic Society, 2012, 95, 1023-1028.	1.9	6
146	Towards materials with enhanced electro-mechanical response: $CaCu_3Ti_4O_{12}$ polydimethylsiloxane composites. Journal of Materials Chemistry, 2012, 22, 24705.	6.7	72
147	Synthesis of amorphous acid iron phosphate nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	14
148	High spatial resolution structure of $(K,Na)NbO_3$ lead-free ferroelectric domains. Journal of Materials Chemistry, 2012, 22, 9714.	6.7	97
149	Ordered arrays of polymeric nanopores by using inverse nanostructured PTFE surfaces. Nanotechnology, 2012, 23, 385305.	1.3	10
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