

# Fernando Rubio-Marcos

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3582770/fernando-rubio-marcos-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116  
papers

3,021  
citations

31  
h-index

49  
g-index

123  
ext. papers

3,474  
ext. citations

5.6  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
116	Accelerated disintegration of compostable Ecovio polymer by using ZnO particles as filler. <i>Polymer Degradation and Stability</i> , <b>2021</b> , 185, 109501	4.7	9
115	Photocontrolled Strain in Polycrystalline Ferroelectrics via Domain Engineering Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 20858-20864	9.5	3
114	Piezoelectric and structural properties of bismuth sodium potassium titanate lead-free ceramics for energy harvesting. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 19117-19125	2.1	1
113	Local disorder and structure relation induced by magnetic exchange interactions in $A_2(\text{Mo}^{VI}\text{Mn}^{IV})_2\text{O}_7$ pyrochlores. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 865, 158958	5.7	
112	Enhancing NIR emission in $\text{ZnAl}_2\text{O}_4:\text{Nd,Ce}$ nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 657-670	7.1	5
111	Influence of the $\text{BaTiO}_3$ addition to $\text{K}_0.5\text{Na}_0.5\text{NbO}_3$ lead-free ceramics on the vacancy-like defect structure and dielectric properties. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 1288-1298	6	3
110	Confocal Raman Microscopy, Synchrotron X-ray Diffraction, and Photoacoustic Study of $\text{Ba}_{0.85}\text{Ca}_{0.15}\text{Ti}_{0.90}\text{Zr}_{0.10}\text{O}_3$ : Understanding Structural and Microstructural Response to the Electric Field. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 2966-2976	4	3
109	Aluminate-Based Nanostructured Luminescent Materials: Design of Processing and Functional Properties. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
108	The Benefits of the ZnO/Clay Composite Formation as a Promising Antifungal Coating for Paint Applications. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1322	2.6	8
107	Polymorphic phase boundary in piezoelectric oxides. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 131102	2.5	10
106	Pt mechanical dispersion on non-porous alumina for soot oxidation. <i>Catalysis Communications</i> , <b>2020</b> , 140, 105999	3.2	7
105	Performance and Stability of Wet-Milled $\text{CoAl}_2\text{O}_4$ , $\text{Ni/CoAl}_2\text{O}_4$ , and $\text{Pt,Ni/CoAl}_2\text{O}_4$ for Soot Combustion. <i>Catalysts</i> , <b>2020</b> , 10, 406	4	5
104	Pt-free $\text{CoAl}_2\text{O}_4$ catalyst for soot combustion with $\text{NO}_x/\text{O}_2$ . <i>Applied Catalysis A: General</i> , <b>2020</b> , 591, 117404	5.04	7
103	Boosting phosphorescence efficiency by crystal anisotropy in $\text{SrAl}_2\text{O}_4:\text{Eu,Dy}$ textured ceramic layers. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 1677-1683	6	4
102	Dielectric and ferroelectric properties evolution of $(1-x)(\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3)_x\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ piezoceramics. <i>Bulletin of Materials Science</i> , <b>2020</b> , 43, 1	1.7	0
101	Stabilization of the morphotropic phase boundary in $(1-x)\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3-x\text{BaTiO}_3$ ceramics through two alternative synthesis pathways. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 18405-18412	2.1	3
100	Photo-Controlled Ferroelectric-Based Nanoactuators. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13921-13926	9.5	10

99	The fight against multidrug-resistant organisms: The role of ZnO crystalline defects. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 575-581	8.3	12
98	Towards Blue Long-Lasting Luminescence of Eu/Nd-Doped Calcium-Aluminate Nanostructured Platelets via the Molten Salt Route. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	10
97	Investigating Raman spectra and density functional theory calculations on SrAl <sub>2</sub> O <sub>4</sub> polymorphs. <i>Journal of Raman Spectroscopy</i> , <b>2019</b> , 50, 91-101	2.3	6
96	Poling and depoling influence on the micro-stress states and phase coexistence in KNN-based piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 1011-1019	6	9
95	Confocal Raman Microscopy Can Make a Large Difference: Resolving and Manipulating Ferroelectric Domains for Piezoelectric Engineering. <i>Springer Series in Surface Sciences</i> , <b>2018</b> , 531-556	0.4	2
94	Nanostructural evolution in mesoporous networks using in situ High-Speed Temperature Scanner. <i>Ceramics International</i> , <b>2018</b> , 44, 12265-12272	5.1	9
93	Reversible optical control of macroscopic polarization in ferroelectrics. <i>Nature Photonics</i> , <b>2018</b> , 12, 29-32	3.9	57
92	Electric field effect on the microstructure and properties of Ba <sub>0.9</sub> Ca <sub>0.1</sub> Ti <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> (BCTZ) lead-free ceramics. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 5419-5429	13	21
91	Exploring new methodologies for the identification of the morphotropic phase boundary region in the (BiNa)TiO <sub>3</sub> -BaTiO <sub>3</sub> lead free piezoceramics: Confocal Raman Microscopy. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 739, 799-805	5.7	14
90	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> , <b>2018</b> , 81, 2759-2770	16.2	115
89	Light-Induced Capacitance Tunability in Ferroelectric Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 21804-21807	9.5	17
88	Unveiling the role of the hexagonal polymorph on SrAlO-based phosphors.. <i>RSC Advances</i> , <b>2018</b> , 8, 28918-28927	3.7	27
87	ZnO Nanoporous Spheres with Broad-Spectrum Antimicrobial Activity by Physicochemical Interactions. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3214-3225	5.6	25
86	Experimental evidence of charged domain walls in lead-free ferroelectric ceramics: light-driven nanodomain switching. <i>Nanoscale</i> , <b>2018</b> , 10, 705-715	7.7	20
85	Ag-AgO nanostructures on glass substrates by solid-state dewetting: From extended to localized surface plasmons. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 133103	2.5	9
84	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> , <b>2018</b> , 2018, 1-13	1.5	2
83	Enhancement of piezoelectric properties stability of submicron-structured piezoceramics obtained by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4659-4663	6	1
82	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> , <b>2017</b> , 37, 3501-3509	6	59

81	Precise Tuning of the Nanostructured Surface leading to the Luminescence Enhancement in SrAlO Based Core/Shell Structure. <i>Scientific Reports</i> , <b>2017</b> , 7, 462	4.9	17
80	Electroconductive composite of zirconia and hybrid graphene/alumina nanofibers. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 3713-3719	6	13
79	Mechanical properties enhancement in potassium-sodium niobate lead-free piezoceramics: the impact of chemical modifications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 5128-5134	5.1	5
78	One more step against nanotoxicity: Hierarchical particles designed to antifungal properties. <i>Materials and Design</i> , <b>2017</b> , 134, 188-195	8.1	9
77	Exploring New Mechanisms for Effective Antimicrobial Materials: Electric Contact-Killing Based on Multiple Schottky Barriers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 26219-26225	9.5	12
76	Template-Assisted Wet-Combustion Synthesis of Fibrous Nickel-Based Catalyst for Carbon Dioxide Methanation and Methane Steam Reforming. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43553-43562	9.5	21
75	Anomalous local lattice disorder and distortion in A <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> pyrochlores. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 723, 327-332	5.7	1
74	Opening a New Gate to Glass Preservative with Long-Lasting Antimicrobial Activity as Replacement of Parabens. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 294-302	8.3	5
73	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> , <b>2016</b> , 42, 17530-17538	5.1	18
72	Self-Forming 3D Core-Shell Ceramic Nanostructures for Halogen-Free Flame Retardant Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 9462-71	9.5	15
71	Feasible integration in asphalt of piezoelectric cymbals for vibration energy harvesting. <i>Energy Conversion and Management</i> , <b>2016</b> , 112, 246-253	10.6	86
70	Energy Product Enhancement in Imperfectly Exchange-Coupled Nanocomposite Magnets. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500365	6.4	37
69	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> , <b>2016</b> , 108, 354-363	8.1	27
68	Extrinsic response enhancement at the polymorphic phase boundary in piezoelectric materials. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 142901	3.4	21
67	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> , <b>2016</b> , 36, 2489-2494	6	23
66	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> , <b>2016</b> , 36, 2745-2754	6	5
65	Large coincidence lattice on Au/Fe <sub>3</sub> O <sub>4</sub> incommensurate structure for spintronic applications. <i>Applied Surface Science</i> , <b>2015</b> , 355, 698-701	6.7	5
64	Graphene-encapsulated aluminium oxide nanofibers as a novel type of nanofillers for electroconductive ceramics. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 4017-4021	6	31

63	Ferroelectric domain wall motion induced by polarized light. <i>Nature Communications</i> , <b>2015</b> , 6, 6594	17.4	95
62	A low-energy milling approach to reduce particle size maintains the luminescence of strontium aluminates. <i>RSC Advances</i> , <b>2015</b> , 5, 42559-42567	3.7	27
61	Revealing the role of cationic displacement in potassium-sodium niobate lead-free piezoceramics by adding W <sup>6+</sup> ions. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 4168-4178	7.1	35
60	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> , <b>2015</b> , 7, 23080-8	9.5	104
59	Original Synthetic Route To Obtain a SrAl <sub>2</sub> O <sub>4</sub> Phosphor by the Molten Salt Method: Insights into the Reaction Mechanism and Enhancement of the Persistent Luminescence. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9896-907	5.1	46
58	Designing nanostructured strontium aluminate particles with high luminescence properties. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 1268-1276	7.1	30
57	Nanostructured ZnO/sepiolite monolithic sorbents for H <sub>2</sub> S removal. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1306-1316	13	29
56	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> , <b>2015</b> , 26, 9402-9408	2.1	6
55	Evaluation of the performance of a lead-free piezoelectric material for energy harvesting. <i>Smart Materials and Structures</i> , <b>2015</b> , 24, 115011	3.4	10
54	Influences of secondary phases on ferroelectric properties of Bi(Na,K)TiO <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2015</b> , 41, 5380-5386	5.1	14
53	Thermal and microstructural analysis of doped alumina nanofibers. <i>Thermochimica Acta</i> , <b>2015</b> , 602, 43-48.	4.9	4
52	Functionalization of gamma-alumina nanofibers by alpha-alumina via solution combustion synthesis. <i>Ceramics International</i> , <b>2014</b> , 40, 12603-12607	5.1	11
51	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> , <b>2014</b> , 34, 2249-2257	6	15
50	Ferroelectric Properties of Bi <sub>0.5</sub> (Na <sub>0.8</sub> K <sub>0.2</sub> ) <sub>0.5</sub> TiO <sub>3</sub> Ceramics. <i>Advanced Materials Research</i> , <b>2014</b> , 975, 3-8	0.5	8
49	New insights into the properties of K <sub>x</sub> Na <sub>(1-x)</sub> NbO <sub>3</sub> ceramics obtained by hydrothermal synthesis. <i>Ceramics International</i> , <b>2014</b> , 40, 14701-14712	5.1	16
48	Characterization of Carbon Nanoparticles in Thin-Film Nanocomposites by Confocal Raman Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 10488-10494	3.8	13
47	High Strain in (K,Na)NbO <sub>3</sub> -Based Lead-Free Piezoelectric Fibers. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3838-3848	3.48	72
46	On the origin of remanence enhancement in exchange-uncoupled CoFe <sub>2</sub> O <sub>4</sub> -based composites. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 202405	3.4	25

45	Estudio de las condiciones de procesamiento de $\text{Bi}_{0.5}(\text{Na}_{0.8}\text{K}_{0.2})_{0.5}\text{TiO}_3$ . <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , <b>2014</b> , 53, 27-31	1.9	2
44	Respuesta Ferro-Piezoelétrica de $(\text{K},\text{Na},\text{Li})(\text{Nb},\text{Ta},\text{Sb})\text{O}_3$ Poroso. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , <b>2014</b> , 53, 48-52	1.9	3
43	Structure, microstructure and electrical properties of $\text{Cu}^{2+}$ doped $(\text{K},\text{Na},\text{Li})(\text{Nb},\text{Ta},\text{Sb})\text{O}_3$ piezoelectric ceramics. <i>Ceramics International</i> , <b>2013</b> , 39, 4139-4149	5.1	39
42	Insights into the dielectric and luminescent properties of $\text{Na}_{0.5}\text{Pr}_{0.003}\text{Bi}_{0.497-x}\text{La}_x\text{TiO}_3$ synthesized by the Pechini method. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6879-85	4.3	11
41	Control of the Interphases Formation Degree in $\text{Co}_3\text{O}_4/\text{ZnO}$ Catalysts. <i>ChemCatChem</i> , <b>2013</b> , 5, 1431-1440	5.2	20
40	Influence of $\text{MoO}_3$ on electrical and microstructural properties of $(\text{K}_{0.44}\text{Na}_{0.52}\text{Li}_{0.04})(\text{Nb}_{0.86}\text{Ta}_{0.10}\text{Sb}_{0.04})\text{O}_3$ . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2013</b> , 24, 3587-3593	2.1	10
39	Exploring different sintering atmospheres to reduce nonlinear response of modified KNN piezoceramics. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 825-831	6	29
38	New concepts for process intensification in the conversion of glycerol carbonate to glycidol. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 129, 575-579	21.8	39
37	Resolution of the ferroelectric domains structure in $(\text{K},\text{Na})\text{NbO}_3$ -based lead-free ceramics by confocal Raman microscopy. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 187215	2.5	20
36	High spatial resolution structure of $(\text{K},\text{Na})\text{NbO}_3$ lead-free ferroelectric domains. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 9714		89
35	Correlation between the structure and the piezoelectric properties of lead-free $(\text{K},\text{Na},\text{Li})(\text{Nb},\text{Ta},\text{Sb})\text{O}_3$ ceramics studied by XRD and Raman spectroscopy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2011</b> , 58, 1826-34	3.2	4
34	Modification of optical properties in $\text{ZnO}$ particles by surface deposition and anchoring of $\text{NiO}$ nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 2891-2896	5.7	23
33	Effect of $\text{MnO}$ doping on the structure, microstructure and electrical properties of the $(\text{K},\text{Na},\text{Li})(\text{Nb},\text{Ta},\text{Sb})\text{O}_3$ lead-free piezoceramics. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 8804-8811	5.7	40
32	Control of the Crystalline Structure and Piezoelectric Properties of $(\text{K},\text{Na},\text{Li})(\text{Nb},\text{Ta},\text{Sb})\text{O}_3$ Ceramics through Transition Metal Oxide Doping. <i>Applied Physics Express</i> , <b>2011</b> , 4, 101501	2.4	18
31	Effect of Processing on the Sintering of High Dielectric constant $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Ceramics. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 1201-1207	2	17
30	Evolution of structural and electrical properties of $(\text{K},\text{Na},\text{Li})(\text{Nb},\text{Ta},\text{Sb})\text{O}_3$ lead-free piezoceramics through $\text{CoO}$ doping. <i>Solid State Communications</i> , <b>2011</b> , 151, 1463-1466	1.6	17
29	Structural, microstructural and electrical properties evolution of $(\text{K},\text{Na},\text{Li})(\text{Nb},\text{Ta},\text{Sb})\text{O}_3$ lead-free piezoceramics through $\text{NiO}$ doping. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 2309-2317	6	37
28	Tuning of Active Sites in $\text{Ni}_2\text{Nb}_2\text{O}$ Catalysts for the Direct Conversion of Ethane to Acetonitrile or Ethylene. <i>ChemCatChem</i> , <b>2011</b> , 3, 1637-1645	5.2	11

27	Monitoring the catalytic synthesis of glycerol carbonate by real-time attenuated total reflection FTIR spectroscopy. <i>Applied Catalysis A: General</i> , <b>2011</b> , 409-410, 106-112	5.1	32
26	Correlation between the piezoelectric properties and the structure of lead-free KNN-modified ceramics, studied by Raman Spectroscopy. <i>Journal of Raman Spectroscopy</i> , <b>2011</b> , 42, 639-643	2.3	75
25	Mechanism of Ni <sub>1-x</sub> Zn <sub>x</sub> O Formation by Thermal Treatments on NiO Nanoparticles Dispersed over ZnO. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 13577-13583	3.8	21
24	Ferroelectric domain structure of lead-free potassium-sodium niobate ceramics. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 1861-1864	6	58
23	Effects of Poling Process on KNN-Modified Piezoceramic Properties. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 318-321	3.8	64
22	Effect of fugitive phase addition on porosity evolution and properties of stoneware tiles. <i>Advances in Applied Ceramics</i> , <b>2010</b> , 109, 219-224	2.3	4
21	A Solid-State Electrochemical Reaction as the Origin of Magnetism at Oxide Nanoparticle Interfaces. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, E31	3.9	32
20	Effect of the temperature on the synthesis of (K,Na)NbO <sub>3</sub> -modified nanoparticles by a solid state reaction route. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 2495-2502	2.3	26
19	Role of sintering time, crystalline phases and symmetry in the piezoelectric properties of lead-free KNN-modified ceramics. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 123, 91-97	4.4	69
18	Novel hierarchical Co <sub>3</sub> O <sub>4</sub> /ZnO mixtures by dry nanodispersion and their catalytic application in the carbonylation of glycerol. <i>Journal of Catalysis</i> , <b>2010</b> , 275, 288-293	7.3	104
17	Evolution of the intergranular phase during sintering of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 737-742	6	68
16	High chemical stability of stoneware tiles containing waste metals. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 2997-3004	6	18
15	Effect of stoichiometry and milling processes in the synthesis and the piezoelectric properties of modified KNN nanoparticles by solid state reaction. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 2763-2771	6	60
14	Sintering behaviour of nanostructured glass-ceramic glazes. <i>Ceramics International</i> , <b>2010</b> , 36, 1845-1850	5.1	35
13	Intermediate phases formation during the synthesis of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> by solid state reaction. <i>Ceramics International</i> , <b>2010</b> , 36, 1319-1325	5.1	21
12	XANES experimental evidence of double exchange in ferromagnetic Mn <sub>2</sub> ZnO. <i>Advances in Applied Ceramics</i> , <b>2009</b> , 108, 263-266	2.3	
11	In situ formation of Mn-doped ZnO aligned structures by rapid heating method. <i>Materials Letters</i> , <b>2009</b> , 63, 212-214	3.3	15
10	Effect of ZnO on the structure, microstructure and electrical properties of KNN-modified piezoceramics. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 3045-3052	6	113

9	Some clues about the interphase reaction between ZnO and MnO <sub>2</sub> oxides. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 1211-1216	3.3	26
8	Extrinsic contribution and non-linear response in lead-free KNN-modified piezoceramics. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 025402	3	39
7	Piezoceramics properties as a function of the structure in the system (K,Na,Li)(Nb,Ta,Sb)O <sub>3</sub> . <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2009</b> , 56, 1835-42	3.2	36
6	Insights into the room temperature magnetism of ZnO/Co <sub>3</sub> O <sub>4</sub> mixtures. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 083905	2.5	37
5	Mechanical Properties and Dimensional Effects of ZnO- and SnO <sub>2</sub> -Based Varistors. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 3105-3108	3.8	12
4	Improved non-linear behaviour of ZnO-based varistor thick films prepared by tape casting and screen printing. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 3887-3891	6	15
3	Properties related phase evolution in porcelain ceramics. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 4065-4069	6	61
2	Sintering and properties of lead-free (K,Na,Li)(Nb,Ta,Sb)O <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 4125-4129	6	165
1	Tape Casting of Graphite Material: A New Electrochemical Sensor. <i>Electroanalysis</i> , <b>2006</b> , 18, 1614-1619	3	1