

Jos Francisco Fernandez

List of Publications by Year in Descending Order

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

342
papers

7,380
citations

42
h-index

66
g-index

375
ext. papers

8,306
ext. citations

4.4
avg, IF

6.07
L-index

#	Paper	IF	Citations
342	The challenge of antimicrobial glazed ceramic surfaces. <i>Ceramics International</i> , 2022 , 48, 7393-7404	5.1	2
341	Thermal response of active Si in press-fit rectifier diodes by confocal Raman microscopy: Influence of diode design and technology. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 2570-2581	5.5	
340	Dense strontium hexaferrite-based permanent magnet composites assisted by cold sintering process. <i>Journal of Alloys and Compounds</i> , 2022 , 165531	5.7	0
339	Effect of organic solvent on the cold sintering processing of SrFe ₁₂ O ₁₉ platelet-based permanent magnets. <i>Journal of the European Ceramic Society</i> , 2021 , 42, 1014-1014	6	0
338	Engineered feldspar-based ceramics: A review of their potential in ceramic industry. <i>Journal of the European Ceramic Society</i> , 2021 , 42, 307-307	6	3
337	Boosting the coercivity of SrFe ₁₂ O ₁₉ nanocrystalline powders obtained using the citrate combustion synthesis method. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 014002	3	3
336	Uncorrelated magnetic domains in decoupled SrFe ₁₂ O ₁₉ /Co hard/soft bilayers. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 054003	3	1
335	Accelerated disintegration of compostable Ecovio polymer by using ZnO particles as filler. <i>Polymer Degradation and Stability</i> , 2021 , 185, 109501	4.7	9
334	Functionally Graded Tunable Microwave Absorber with Graphene-Augmented Alumina Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 21613-21625	9.5	4
333	Photocontrolled Strain in Polycrystalline Ferroelectrics via Domain Engineering Strategy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20858-20864	9.5	3
332	Enhancing NIR emission in ZnAl ₂ O ₄ :Nd,Ce nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 657-670	7.1	5
331	Improvement of the magnetic properties of SrFe ₁₂ O ₁₉ ceramics by tailored sintering with SiO ₂ addition. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 157890	5.7	5
330	Improvement of thermal efficiency in cement mortars by using synthetic feldspars. <i>Construction and Building Materials</i> , 2021 , 269, 121279	6.7	4
329	Towards more sustainable building based on modified Portland cements through partial substitution by engineered feldspars. <i>Construction and Building Materials</i> , 2021 , 269, 121334	6.7	6
328	Effect of BaCO ₃ reactivity and mixing procedure on sulfate-resistant cement performance. <i>Cement and Concrete Composites</i> , 2021 , 120, 104038	8.6	0
327	Aluminate-Based Nanostructured Luminescent Materials: Design of Processing and Functional Properties. <i>Materials</i> , 2021 , 14,	3.5	1
326	Hexaferrite-based permanent magnets with upper magnetic properties by cold sintering process via a non-aqueous solvent. <i>Acta Materialia</i> , 2021 , 219, 117262	8.4	4

325	Tubular ring thermoelectric module for exhaust pipes: From Skutterudite nanopowders to the final device. <i>Energy</i> , 2021 , 234, 121223	7.9	2
324	Greener processing of SrFe ₁₂ O ₁₉ ceramic permanent magnets by two-step sintering. <i>Ceramics International</i> , 2021 , 47, 31765-31771	5.1	3
323	Cold sintering process of ZnO ceramics: Effect of the nanoparticle/microparticle ratio. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 5535-5542	6	14
322	The Benefits of the ZnO/Clay Composite Formation as a Promising Antifungal Coating for Paint Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1322	2.6	8
321	Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1222-1230	7.8	9
320	Pt mechanical dispersion on non-porous alumina for soot oxidation. <i>Catalysis Communications</i> , 2020 , 140, 105999	3.2	7
319	Performance and Stability of Wet-Milled CoAl ₂ O ₄ , Ni/CoAl ₂ O ₄ , and Pt,Ni/CoAl ₂ O ₄ for Soot Combustion. <i>Catalysts</i> , 2020 , 10, 406	4	5
318	Magnetostatic determination of variations of internal stress in magnetic steels. <i>AIP Advances</i> , 2020 , 10, 115302	1.5	2
317	Pt-free CoAl ₂ O ₄ catalyst for soot combustion with NO _x /O ₂ . <i>Applied Catalysis A: General</i> , 2020 , 591, 117404	4.9	7
316	Ceramic Injection Moulding of engineered glass-ceramics: Boosting the rare-earth free photoluminescence. <i>Ceramics International</i> , 2020 , 46, 9334-9341	5.1	5
315	Boosting phosphorescence efficiency by crystal anisotropy in SrAl ₂ O ₄ :Eu,Dy textured ceramic layers. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1677-1683	6	4
314	Crystal defects and optical emissions of pulse electrodeposited ZnO. <i>Electrochimica Acta</i> , 2020 , 357, 136662	6.7	2
313	FeCo Nanowire/Strontium Ferrite Powder Composites for Permanent Magnets with High-Energy Products. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9842-9851	5.6	6
312	Tailoring dielectric properties of cordierite-mullite ceramics through Ceramic Injection Moulding. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020 , 262, 114783	3.1	5
311	Highly Efficient Antimicrobial Ceramics Based on Electrically Charged Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39254-39262	9.5	1
310	Study of the crystallization in fast sintered Na-rich plagioclase glass-ceramic. <i>Ceramics International</i> , 2019 , 45, 8899-8907	5.1	8
309	Absence of surface flaking in hierarchical glass-ceramic coating: High impact resistant ceramic tiles. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 4450-4456	6	5
308	Revealing the Role of the Intermediates during the Synthesis of BaTiO. <i>Inorganic Chemistry</i> , 2019 , 58, 8120-8129	5.1	3

307	Enhanced wear resistance of engineered glass-ceramic by nanostructured self-lubrication. <i>Materials and Design</i> , 2019 , 168, 107623	8.1	14
306	Tunable UV/blue luminescence in rare-earth free glass-ceramic phosphor. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3221-3228	6	8
305	Photo-Controlled Ferroelectric-Based Nanoactuators. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13921-13926	9.5	10
304	The fight against multidrug-resistant organisms: The role of ZnO crystalline defects. <i>Materials Science and Engineering C</i> , 2019 , 99, 575-581	8.3	12
303	In situ characterization of main reaction products in alkali-activated slag materials by Confocal Raman Microscopy. <i>Cement and Concrete Composites</i> , 2019 , 99, 32-39	8.6	20
302	Critical aspects in the handling of reactive silica in cementitious materials: Effectiveness of rice husk ash vs nano-silica in mortar dosage. <i>Construction and Building Materials</i> , 2019 , 223, 360-367	6.7	16
301	Temperature Assessment Of Microwave-Enhanced Heating Processes. <i>Scientific Reports</i> , 2019 , 9, 10809	4.9	24
300	Towards Blue Long-Lasting Luminescence of Eu/Nd-Doped Calcium-Aluminate Nanostructured Platelets via the Molten Salt Route. <i>Nanomaterials</i> , 2019 , 9,	5.4	10
299	Enhanced luminescence in rare-earth-free fast-sintering glass-ceramic. <i>Optica</i> , 2019 , 6, 668	8.6	10
298	Structural insights of hierarchically engineered feldspars by confocal Raman microscopy. <i>Journal of Raman Spectroscopy</i> , 2019 , 50, 741-754	2.3	3
297	In situ full view of the Portland cement hydration by confocal Raman microscopy. <i>Journal of Raman Spectroscopy</i> , 2019 , 50, 720-730	2.3	16
296	Microstructural study of dielectric breakdown in glass-ceramics insulators. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 376-383	6	13
295	Investigation of thermal stability of 2D and 3D CoAl ₂ O ₄ particles in core-shell nanostructures by Raman spectroscopy. <i>Journal of Alloys and Compounds</i> , 2019 , 779, 244-254	5.7	24
294	Investigating Raman spectra and density functional theory calculations on SrAl ₂ O ₄ polymorphs. <i>Journal of Raman Spectroscopy</i> , 2019 , 50, 91-101	2.3	6
293	A step ahead on efficient microwave heating for kaolinite. <i>Applied Clay Science</i> , 2019 , 168, 237-243	5.2	21
292	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> , 2019 , 39, 1011-1019	6	9
291	Confocal Raman Microscopy Can Make a Large Difference: Resolving and Manipulating Ferroelectric Domains for Piezoelectric Engineering. <i>Springer Series in Surface Sciences</i> , 2018 , 531-556	0.4	2
290	A simple vibrating sample magnetometer for macroscopic samples. <i>Review of Scientific Instruments</i> , 2018 , 89, 034707	1.7	11

289	Hierarchical micro-nanostructured albite-based glass-ceramic for high dielectric strength insulators. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2759-2766	6	24
288	Reversible optical control of macroscopic polarization in ferroelectrics. <i>Nature Photonics</i> , 2018 , 12, 29-33	3.9	57
287	AC electrical conduction mechanisms and dielectrical studies of DD3 kaolin sintered at high temperature. <i>Materials Chemistry and Physics</i> , 2018 , 212, 187-195	4.4	4
286	Long lasting phosphors: SrAl ₂ O ₄ :Eu, Dy as the most studied material. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 81, 2759-2770	16.2	115
285	Light-Induced Capacitance Tunability in Ferroelectric Crystals. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21804-21807	9.5	17
284	Europium monoxide nanocrystalline thin films with high near-infrared transparency. <i>Applied Surface Science</i> , 2018 , 456, 980-984	6.7	4
283	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	6.7	15
282	Unveiling the role of the hexagonal polymorph on SrAlO-based phosphors.. <i>RSC Advances</i> , 2018 , 8, 28918-28927	3.7	27
281	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	5.2	1
280	ZnO Nanoporous Spheres with Broad-Spectrum Antimicrobial Activity by Physicochemical Interactions. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3214-3225	5.6	25
279	Experimental evidence of charged domain walls in lead-free ferroelectric ceramics: light-driven nanodomain switching. <i>Nanoscale</i> , 2018 , 10, 705-715	7.7	20
278	Exchange-spring behavior below the exchange length in hard-soft bilayers in multidomain configurations. <i>Physical Review B</i> , 2018 , 98,	3.3	7
277	Feasible glass-melting process assisted by microwaves. <i>International Journal of Applied Glass Science</i> , 2018 , 10, 208	1.8	2
276	Ag-AgO nanostructures on glass substrates by solid-state dewetting: From extended to localized surface plasmons. <i>Journal of Applied Physics</i> , 2018 , 124, 133103	2.5	9
275	Tailoring nanostructured surfaces with plasmonic/magnetic multifunctional response. <i>Applied Physics Letters</i> , 2018 , 113, 101908	3.4	2
274	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	1.5	2
273	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	6	6
272	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	6.8	29

271	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	6	59
270	Thermoelectric Skutterudite/oxide nanocomposites: Effective decoupling of electrical and thermal conductivity by functional interfaces. <i>Nano Energy</i> , 2017 , 31, 393-402	17.1	27
269	Unaltered reversible magnetic transition in Fe nanostructures upon ambient exposure. <i>Ultramicroscopy</i> , 2017 , 181, 70-73	3.1	1
268	Precise Tuning of the Nanostructured Surface leading to the Luminescence Enhancement in SrAlO Based Core/Shell Structure. <i>Scientific Reports</i> , 2017 , 7, 462	4.9	17
267	Moving into advanced nanomaterials. Toxicity of rutile TiO nanoparticles immobilized in nanokaolin nanocomposites on HepG2 cell line. <i>Toxicology and Applied Pharmacology</i> , 2017 , 316, 114-122	4.6	27
266	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	13.4	5
265	Confocal Raman Microscopy: new perspective on the weathering of anhydrous cement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 251, 012035	0.4	1
264	One more step against nanotoxicity: Hierarchical particles designed to antifungal properties. <i>Materials and Design</i> , 2017 , 134, 188-195	8.1	9
263	Exploring New Mechanisms for Effective Antimicrobial Materials: Electric Contact-Killing Based on Multiple Schottky Barriers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26219-26225	9.5	12
262	Reprint of Unaltered reversible magnetic transition in Fe nanostructures upon ambient exposure. <i>Ultramicroscopy</i> , 2017 , 183, 15-18	3.1	
261	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	10.3	27
260	A novel route to obtain metal and oxide nanoparticles co-existing on a substrate. <i>Materials Today Chemistry</i> , 2017 , 4, 64-72	6.2	10
259	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	5.7	5
258	Electron Paramagnetic Resonance study of hopping in CCTO mixed with TiO ₂ . <i>Journal of Alloys and Compounds</i> , 2017 , 692, 212-218	5.7	4
257	2D particles forming a nanostructured shell: A step forward cool NIR reflectivity for CoAl ₂ O ₄ pigments. <i>Dyes and Pigments</i> , 2017 , 137, 1-11	4.6	43
256	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	8.3	5
255	Inter-grain effects on the magnetism of M-type strontium ferrite. <i>Journal of Alloys and Compounds</i> , 2017 , 692, 280-287	5.7	4
254	Effect of lanthanide doping on structural, microstructural and functional properties of K _{0.5} Na _{0.5} NbO ₃ lead-free piezoceramics. <i>Ceramics International</i> , 2016 , 42, 17530-17538	5.1	18

253	Two state coercivity driven by phase coexistence in vanadium sesquioxide/nickel bulk hybrid material. <i>Applied Physics Letters</i> , 2016 , 109, 112401	3.4	2
252	Efficient encapsulation of low dimensional particles in thin films to obtain functional coatings. <i>Materials and Design</i> , 2016 , 104, 87-94	8.1	1
251	Self-Forming 3D Core-Shell Ceramic Nanostructures for Halogen-Free Flame Retardant Materials. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9462-71	9.5	15
250	Feasible integration in asphalt of piezoelectric cymbals for vibration energy harvesting. <i>Energy Conversion and Management</i> , 2016 , 112, 246-253	10.6	86
249	Enhancement of UV absorption behavior in ZnO/TiO ₂ composites. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2016 , 55, 55-62	1.9	60
248	Tuning Eu ³⁺ emission in europium sesquioxide films by changing the crystalline phase. <i>Applied Surface Science</i> , 2016 , 374, 71-76	6.7	10
247	Energy Product Enhancement in Imperfectly Exchange-Coupled Nanocomposite Magnets. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500365	6.4	37
246	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	3	
245	The impact of the synthesis conditions on SrAl ₂ O ₄ :Eu, Dy formation for a persistent afterglow. <i>Materials and Design</i> , 2016 , 108, 354-363	8.1	27
244	Extrinsic response enhancement at the polymorphic phase boundary in piezoelectric materials. <i>Applied Physics Letters</i> , 2016 , 108, 142901	3.4	21
243	Towards high performance CoFe ₂ O ₄ isotropic nanocrystalline powder for permanent magnet applications. <i>Applied Physics Letters</i> , 2016 , 109, 223105	3.4	24
242	Symmetry constraints during the development of anisotropic spinodal patterns. <i>Scientific Reports</i> , 2016 , 6, 20806	4.9	4
241	Extensive domain wall contribution to strain in a (K,Na)NbO ₃ -based lead-free piezoceramics quantified from high energy X-ray diffraction. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 2489-2494	6	23
240	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	3.8	3
239	The impact of microstructure in (K,Na)NbO ₃ -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	6	5
238	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	5.1	14
237	Reversible temperature-driven domain transition in bistable Fe magnetic nanostrips grown on Ru(0001). <i>Physical Review B</i> , 2015 , 92,	3.3	4
236	Skutterudites as thermoelectric materials: revisited. <i>RSC Advances</i> , 2015 , 5, 41653-41667	3.7	211

235	Ferroelectric domain wall motion induced by polarized light. <i>Nature Communications</i> , 2015 , 6, 6594	17.4	95
234	A low-energy milling approach to reduce particle size maintains the luminescence of strontium aluminates. <i>RSC Advances</i> , 2015 , 5, 42559-42567	3.7	27
233	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	7.1	35
232	Lead-Free Piezoceramics: Revealing the Role of the Rhombohedral-Tetragonal Phase Coexistence in Enhancement of the Piezoelectric Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23080-8089	9.5	104
231	Original Synthetic Route To Obtain a SrAl ₂ O ₄ Phosphor by the Molten Salt Method: Insights into the Reaction Mechanism and Enhancement of the Persistent Luminescence. <i>Inorganic Chemistry</i> , 2015 , 54, 9896-907	5.1	46
230	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	3.7	25
229	Designing nanostructured strontium aluminate particles with high luminescence properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1268-1276	7.1	30
228	Nanostructured ZnO/sepiolite monolithic sorbents for H ₂ S removal. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1306-1316	13	29
227	Influence of the nanoparticles agglomeration state in the quantum-confinement effects: Experimental evidences. <i>AIP Advances</i> , 2015 , 5, 037105	1.5	20
226	Atomically flat ultrathin cobalt ferrite islands. <i>Advanced Materials</i> , 2015 , 27, 5955-60	24	20
225	Stabilization of cubic phase in dense Eu ₂ O ₃ ceramics. <i>Materials Letters</i> , 2015 , 157, 77-80	3.3	11
224	Influence of surface modifiers on hydrothermal synthesis of K _x Na _(1-x) NbO ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 9402-9408	2.1	6
223	Tailoring of the electrical properties of carbon black/silica coatings for de-icing applications. <i>Ceramics International</i> , 2015 , 41, 2735-2743	5.1	12
222	Sintering behaviour and translucency of dense Eu ₂ O ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1803-1808	6	13
221	Influence of B-site compositional homogeneity on properties of (K _{0.44} Na _{0.52} Li _{0.04})(Nb _{0.86} Ta _{0.10} Sb _{0.04})O ₃ -based piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 2249-2257	6	15
220	Conductive coatings with low carbon-black content by adding carbon nanofibers. <i>Composites Science and Technology</i> , 2014 , 93, 9-16	8.6	22
219	Ordered three-dimensional interconnected nanoarchitectures in anodic porous alumina. <i>Nature Communications</i> , 2014 , 5, 5130	17.4	94
218	New insights into the properties of K _x Na _(1-x) NbO ₃ ceramics obtained by hydrothermal synthesis. <i>Ceramics International</i> , 2014 , 40, 14701-14712	5.1	16

217	Characterization of Carbon Nanoparticles in Thin-Film Nanocomposites by Confocal Raman Microscopy. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10488-10494	3.8	13
216	Determination of effective electrode configuration for electrical measurements of carbon thin conductive coatings. <i>Materials Science in Semiconductor Processing</i> , 2014 , 23, 110-114	4.3	2
215	High Strain in (K,Na)NbO ₃ -Based Lead-Free Piezoelectric Fibers. <i>Chemistry of Materials</i> , 2014 , 26, 3838-3848	9.48	72
214	Effective high-energy ball milling in air of Fe ₆₅ Co ₃₅ alloys. <i>Journal of Applied Physics</i> , 2014 , 115, 17B5052.5	2.5	14
213	On the origin of remanence enhancement in exchange-uncoupled CoFe ₂ O ₄ -based composites. <i>Applied Physics Letters</i> , 2014 , 105, 202405	3.4	25
212	Respuesta Ferro-Piezoelectrica de (K,Na,Li)(Nb,Ta,Sb)O ₃ Poroso. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2014 , 53, 48-52	1.9	3
211	Effect of the dry nanodispersion procedure in the magnetic order of the Co ₃ O ₄ surface. <i>Ceramics International</i> , 2013 , 39, 4377-4381	5.1	9
210	Inorganic hydrophobic coatings: Surfaces mimicking the nature. <i>Ceramics International</i> , 2013 , 39, 2489-2495	5.95	20
209	Influence of the pH and ageing time on the acid aluminum phosphate synthesized by precipitation. <i>CrystEngComm</i> , 2013 , 15, 3359	3.3	15
208	Correlation between intrinsic defect and carrier transport in ZnO thin films by confocal Raman spectroscopy. <i>Materials Letters</i> , 2013 , 109, 167-171	3.3	6
207	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	5.1	39
206	Study of the nanoparticle/microparticle powder systems by dry dispersion. <i>Ceramics International</i> , 2013 , 39, 1631-1637	5.1	4
205	Control of the Interphases Formation Degree in Co ₃ O ₄ /ZnO Catalysts. <i>ChemCatChem</i> , 2013 , 5, 1431-1440	5.2	20
204	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	2.1	10
203	Influence of organic modifier characteristic on the mechanical properties of polyamide 6/organosepiolite nanocomposites. <i>Composites Part B: Engineering</i> , 2013 , 45, 459-465	10	33
202	Exploring different sintering atmospheres to reduce nonlinear response of modified KNN piezoceramics. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 825-831	6	29
201	New concepts for process intensification in the conversion of glycerol carbonate to glycidol. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 575-579	21.8	39
200	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, 187215	2.5	20

199	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	3.8	13
198	Experimental determination of the eutectic temperature in air of the CuO//iO2 pseudobinary system. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 71-76	6	27
197	Copper based hydrophobic ceramic nanocoating. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 277-282	18	
196	Dielectric behaviour of Hf-doped CaCu3Ti4O12 ceramics obtained by conventional synthesis and reactive sintering. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 1691-1699	6	38
195	Towards materials with enhanced electro-mechanical response: CaCu3Ti4O12//polydimethylsiloxane composites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24705	67	
194	Synthesis of amorphous acid iron phosphate nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	11
193	High spatial resolution structure of (K,Na)NbO3 lead-free ferroelectric domains. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9714	89	
192	Ordered arrays of polymeric nanopores by using inverse nanostructured PTFE surfaces. <i>Nanotechnology</i> , 2012 , 23, 385305	3.4	9
191	On the discrimination between magnetite and maghemite by XANES measurements in fluorescence mode. <i>Measurement Science and Technology</i> , 2012 , 23, 015602	2	42
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35	Nanostructured and near defect-free ceramics by low-temperature pressureless sintering of nanosized Y-TZP powders. <i>Journal of Materials Science</i> , 1997 , 32, 4507-4512	4.3	20
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22	Microstructure and properties of K ₂ O doped superconducting YBa ₂ Cu ₃ O _{7-x} . <i>Journal of Materials Science</i> , 1994 , 29, 5997-6003	4.3	
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10	Synthesis of barium titanate by the suspension-coprecipitation method in oxalic acid. <i>Journal of Materials Science Letters</i> , 1992 , 11, 1188-1190		7
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8	Effect of MnO additions on the sintering and piezoelectric properties of samarium-modified lead titanate ceramics. <i>Journal of Materials Science Letters</i> , 1991 , 10, 917-919		7
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3	Large electromechanical anisotropic modified lead titanate ceramics. <i>Journal of Materials Science</i> , 1988 , 23, 4463-4469	4.3	31
2	Capped ceramic hydrophones		12

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