

# Rodrigo Moreno

## List of Publications by Citations

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#	Paper	IF	Citations
306	EPD kinetics: A review. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 1069-1078	6	185
305	Alumina and Alumina/Zirconia Multilayer Composites Obtained by Slip Casting. <i>Journal of the American Ceramic Society</i> , <b>1989</b> , 72, 1511-1513	3.8	126
304	Agarose as crystallization media for proteins. <i>Journal of Crystal Growth</i> , <b>2001</b> , 232, 165-172	1.6	93
303	Electrophoretic deposition of aqueous alumina slips. <i>Journal of the European Ceramic Society</i> , <b>1997</b> , 17, 549-556	6	91
302	Colloidal stability of nanosized titania aqueous suspensions. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 2171-2176	6	85
301	Surface behavior of nickel powders in aqueous suspensions. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 4470-4	3.4	70
300	Coatings produced by electrophoretic deposition from nano-particulate silica sol-gel suspensions. <i>Surface and Coatings Technology</i> , <b>2004</b> , 182, 199-203	4.4	63
299	Alumina bodies with near-to-theoretical density by aqueous gelcasting using concentrated agarose solutions. <i>Ceramics International</i> , <b>2005</b> , 31, 439-445	5.1	61
298	Temperature-dependent exchange stiffness and domain wall width in Co. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	61
297	Processing optimisation and fracture behaviour of layered ceramic composites with highly compressive layers. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 1930-1938	8.6	60
296	Thermogelling polysaccharides for aqueous gelcasting—Part I: a comparative study of gelling additives. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 2209-2215	6	56
295	Microwave-assisted solution synthesis, microwave sintering and magnetic properties of cobalt ferrite. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 2360-2368	6	51
294	Colloidal filtration of silicon nitride aqueous slips. Part I: optimization of the slip parameters. <i>Journal of the European Ceramic Society</i> , <b>1998</b> , 18, 405-416	6	50
293	Gelcasting Performance of Alumina Aqueous Suspensions with Glycerol Monoacrylate: A New Low-Toxicity Acrylic Monomer. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 1386-1393	3.8	49
292	Influence of process conditions on the surface oxidation of silicon nitride green compacts. <i>Journal of Materials Science</i> , <b>1997</b> , 32, 157-162	4.3	47
291	Slip casting of nanozirconia/MWCNT composites using a heterocoagulation process. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 1939-1945	6	46
290	Zirconia Thick Films Deposited on Nickel by Aqueous Electrophoretic Deposition. <i>Journal of the Electrochemical Society</i> , <b>2000</b> , 147, 2987	3.9	44

289	Corrosion behaviour of silica hybrid coatings produced from basic catalysed particulate sols by dipping and EPD. <i>Surface and Coatings Technology</i> , <b>2005</b> , 191, 228-235	4.4	43
288	Influence of slip preparation and casting conditions on aqueous tape casting of Al <sub>2</sub> O <sub>3</sub> . <i>Materials Research Bulletin</i> , <b>2001</b> , 36, 2059-2072	5.1	43
287	Tape casting of non-aqueous silicon nitride slips. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 1527-1537		43
286	Reaction sintered Al <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> TiO <sub>5</sub> microcrack-free composites obtained by colloidal filtration. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 2785-2791	6	41
285	Electrophoretic deposition of manganese oxide and graphene nanoplatelets on graphite paper for the manufacture of supercapacitor electrodes. <i>Electrochimica Acta</i> , <b>2019</b> , 294, 102-109	6.7	41
284	Microwave-assisted synthesis of TiO <sub>2</sub> nanoparticles: photocatalytic activity of powders and thin films. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	39
283	Fracture behaviour of alumina-calcium hexaluminate composites obtained by colloidal processing. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 2575-2583	6	38
282	Hamaker 2: A Toolkit for the Calculation of Particle Interactions and Suspension Stability and its Application to Mullite Synthesis by Colloidal Methods. <i>Journal of Dispersion Science and Technology</i> , <b>2011</b> , 32, 470-479	1.5	37
281	Dispersion of TiO <sub>2</sub> nanopowders to obtain homogeneous nanostructured granules by spray-drying. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 1413-1419	6	37
280	LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> thick-film electrodes prepared by electrophoretic deposition for use in high voltage lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2006</b> , 158, 583-590	8.9	37
279	The conductivity of aqueous Al <sub>2</sub> O <sub>3</sub> slips for electrophoretic deposition. <i>Materials Letters</i> , <b>1996</b> , 28, 353-355		37
278	Preparation and spray drying of Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> nanoparticle suspensions to obtain nanostructured coatings by APS. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 987-992	4.4	36
277	Fracture behaviour of microcrack-free alumina-aluminium titanate ceramics with second phase nanoparticles at alumina grain boundaries. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 1961-1971	6	36
276	Thick Sol-Gel Coatings Produced by Electrophoretic Deposition. <i>Advanced Materials</i> , <b>2002</b> , 14, 505-508	2.4	36
275	Slip Casting of Yttria-Stabilized Tetragonal Zirconia Polycrystals. <i>Journal of the American Ceramic Society</i> , <b>1988</b> , 71, 1036-1040	3.8	36
274	Colloidal processing of ceramics and composites. <i>Advances in Applied Ceramics</i> , <b>2012</b> , 111, 246-253	2.3	35
273	Silica-Zirconia Sol-Gel Coatings Obtained by Different Synthesis Routes. <i>Journal of Sol-Gel Science and Technology</i> , <b>2005</b> , 35, 41-50	2.3	34
272	Microwave-assisted synthesis of Nb <sub>2</sub> O <sub>5</sub> for photocatalytic application of nanopowders and thin films. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 3271-3278	2.5	33

271	Comparison of freeze drying and spray drying to obtain porous nanostructured granules from nanosized suspensions. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 1019-1028	6	33
270	Effect of microwave sintering on microstructure and mechanical properties in Y-TZP materials used for dental applications. <i>Ceramics International</i> , <b>2015</b> , 41, 7125-7132	5.1	33
269	Shaping of porous alumina bodies by freeze casting. <i>Advances in Applied Ceramics</i> , <b>2009</b> , 108, 307-313	2.3	33
268	Functionally gradient ceramics by sequential slip casting. <i>Materials Letters</i> , <b>1992</b> , 14, 333-335	3.3	33
267	Effect of particle size distribution of suspension feedstock on the microstructure and mechanical properties of suspension plasma spraying YSZ coatings. <i>Surface and Coatings Technology</i> , <b>2015</b> , 268, 293-297	4.4	32
266	Aqueous Gel-Forming of Silicon Nitride Using Carrageenans. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 62-64	3.8	32
265	Structural and Rheological Properties of Pectins Extracted from Industrial Sugar Beet By-Products. <i>Molecules</i> , <b>2019</b> , 24,	4.8	31
264	Enhancing the sliding-wear resistance of SiC nanostructured ceramics by adding carbon nanotubes. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3083-3089	6	31
263	Tape casting of alumina/zirconia suspensions containing graphene oxide. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 1819-1827	6	31
262	Aqueous electrophoretic deposition of AL <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> layered ceramics. <i>Materials Letters</i> , <b>1998</b> , 35, 370-374	3.4	31
261	Synthesis of Mullite Powders Through a Suspension Combustion Process. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 484-489	3.8	31
260	Effect of the slurry properties on the homogeneity of alumina deposits obtained by aqueous electrophoretic deposition. <i>Materials Research Bulletin</i> , <b>2000</b> , 35, 887-897	5.1	31
259	Bioactive Sol-Gel Coatings for Orthopaedic Prosthesis. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 107-111	2.3	31
258	Effect of colloidal stability of ceramic suspensions on nebulization of slurries for inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1994</b> , 9, 841-849	2.7	31
257	Black Color in Partially Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , <b>1988</b> , 71, C479-C480	3.8	31
256	Effect of mechanical activation on the rheology and casting performance of kaolin/talc/alumina suspensions for manufacturing dense cordierite bodies. <i>Applied Clay Science</i> , <b>2008</b> , 38, 209-218	5.2	30
255	Preparation of high solids content nano-titania suspensions to obtain spray-dried nanostructured powders for atmospheric plasma spraying. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 185-194	6	29
254	Synthesis of Al <sub>2</sub> O <sub>3</sub> nanopowders by freeze-drying. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 1520-1529	5.1	29

253	Application of alginate gelation to aqueous tape casting technology. <i>Materials Research Bulletin</i> , <b>2002</b> , 37, 671-682	5.1	29
252	Thermogelling polysaccharides for aqueous gelcastingâpart III: mechanical and microstructural characterization of green alumina bodies. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 2223-2230	6	29
251	Aqueous colloidal processing of nickel powder. <i>Acta Materialia</i> , <b>2001</b> , 49, 645-651	8.4	29
250	Electrophoretic deposition of MgO from organic suspensions. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 99-106	6	29
249	Liquid-phase assisted spark-plasma sintering of SiC nanoceramics and their nanocomposites with carbon nanotubes. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 1929-1936	6	28
248	Structural characterization of bulk ZrTiO <sub>4</sub> and its potential for thermal shock applications. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 299-306	6	28
247	Liquid-phase assisted flash sintering of SiC from powder mixtures prepared by aqueous colloidal processing. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 485-498	6	28
246	Electrophoretic Forming of Al <sub>2</sub> O <sub>3</sub> /Y-TZP Layered Ceramics from Aqueous Suspensions. <i>Materials Research Bulletin</i> , <b>1998</b> , 33, 487-499	5.1	28
245	Rheological Characterization of Synergistic Mixtures of Carrageenan and Locust Bean Gum for Aqueous Gelcasting of Alumina. <i>Journal of the American Ceramic Society</i> , <b>2002</b> , 85, 2432-2436	3.8	28
244	Design and processing of Al <sub>2</sub> O <sub>3</sub> âAl <sub>2</sub> TiO <sub>5</sub> layered structures. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 847-856	6	28
243	Near-net shape manufacture of B <sub>4</sub> CâTiO <sub>2</sub> and ZrCâTiO <sub>2</sub> composites by slip casting and pressureless sintering. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 4577-4584	6	27
242	Dispersion and reaction sintering of aluminaâtitanium mixtures. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2469-2474	5.2	27
241	Influence of combustion aids on suspension combustion synthesis of mullite powders. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 3365-3372	6	27
240	Silica Sol-Gel Coatings on Metals Produced by EPD. <i>Journal of Sol-Gel Science and Technology</i> , <b>2003</b> , 26, 735-739	2.3	27
239	Effect of Mg doping on dielectric properties of alumina. <i>Journal of Applied Physics</i> , <b>1996</b> , 80, 1028-1032	2.5	27
238	Better ceramics through colloid chemistry. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 559-587	6	27
237	Influence of slip rheology on pressure casting of alumina. <i>Journal of the European Ceramic Society</i> , <b>1997</b> , 17, 327-331	6	26
236	Near-net shaping of aqueous alumina slurries using carrageenan. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 297-303	6	26

- 235 Thermogelling polysaccharides for aqueous gelcastingâPart II: influence of gelling additives on rheological properties and gelcasting of alumina. *Journal of the European Ceramic Society*, **2002**, 22, 2217-2222<sup>6, 26</sup>
- 234 Friction and wear behavior of alumina-based graphene and CNFs composites. *Journal of the European Ceramic Society*, **2017**, 37, 3805-3812 6 25
- 233 Sliding-wear resistance of liquid-phase-sintered SiC containing graphite nanodispersoids. *Journal of the European Ceramic Society*, **2014**, 34, 2597-2602 6 25
- 232 Effect of mullite additions on the fracture mode of alumina. *Journal of the European Ceramic Society*, **2010**, 30, 857-863 6 25
- 231 Gelcasting of alumina suspensions containing nanoparticles with glycerol monoacrylate. *Journal of the European Ceramic Society*, **2009**, 29, 875-880 6 24
- 230 Stability of concentrated suspensions of Al<sub>2</sub>O<sub>3</sub>âBi<sub>2</sub>O<sub>3</sub> measured by multiple light scattering. *Journal of the European Ceramic Society*, **2009**, 29, 603-610 6 24
- 229 YSZ/NiâYSZ semi-cells shaped by electrophoretic deposition. *Journal of the European Ceramic Society*, **2007**, 27, 4241-4244 6 24
- 228 Improved green properties of gelcast alumina through multiple synergistic interaction of polysaccharides. *Journal of the European Ceramic Society*, **2003**, 23, 1785-1793 6 24
- 227 Colloidal stability of aqueous suspensions of barium zirconate. *Journal of the European Ceramic Society*, **2005**, 25, 3195-3201 6 24
- 226 Forming of nickel compacts by a colloidal filtration route. *Acta Materialia*, **2005**, 53, 919-925 8.4 24
- 225 Electrical transport properties in zirconia/alumina functionally graded materials. *Journal of the European Ceramic Society*, **2000**, 20, 1611-1620 6 24
- 224 Properties of LZS/nanoAl<sub>2</sub>O<sub>3</sub> glass-ceramic composites. *Journal of Alloys and Compounds*, **2017**, 710, 567-574 5.7 23
- 223 Aqueous colloidal processing of nano-SiC and its nano-Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub> liquid-phase sintering additives with carbon nanotubes. *Journal of the European Ceramic Society*, **2015**, 35, 3363-3368 6 23
- 222 Al<sub>2</sub>O<sub>3</sub>-3YTZP-Graphene multilayers produced by tape casting and spark plasma sintering. *Journal of the European Ceramic Society*, **2014**, 34, 2427-2434 6 23
- 221 Influence of the feedstock characteristics on the microstructure and properties of Al<sub>2</sub>O<sub>3</sub>âTiO<sub>2</sub> plasma-sprayed coatings. *Surface and Coatings Technology*, **2013**, 220, 74-79 4.4 23
- 220 Peptization of Nanoparticulate Titania Sols Prepared Under Different WaterâAlkoxide Molar Ratios. *Journal of the American Ceramic Society*, **2010**, 93, 59-64 3.8 23
- 219 YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>â dispersion in iodine acetone for electrophoretic deposition: Surface charging mechanism in a halogenated organic media. *Journal of the European Ceramic Society*, **2011**, 31, 1075-1086<sup>6</sup> 23
- 218 Rheological Behavior and Slip Casting of Al<sub>2</sub>O<sub>3</sub>âNi Aqueous Suspensions. *Journal of the American Ceramic Society*, **2006**, 89, 1890-1896 3.8 23

217	Multilayer coatings with improved reliability produced by aqueous electrophoretic deposition. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 27-36	6	23
216	Structure-property relationships for Eu doped TiO <sub>2</sub> thin films grown by a laser assisted technique from colloidal sols. <i>RSC Advances</i> , <b>2017</b> , 7, 37643-37653	3.7	22
215	Synthesis and photocatalytic activity of Eu <sup>3+</sup> -doped nanoparticulate TiO <sub>2</sub> sols and thermal stability of the resulting xerogels. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 144, 8-16	4.4	22
214	Aqueous colloidal processing of SiC with Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> liquid-phase sintering additives. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 1685-1694	6	22
213	Zirconia-MWCNT nanocomposites for biomedical applications obtained by colloidal processing. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2010</b> , 21, 1445-51	4.5	22
212	A Resistivity Model for Electrophoretic Deposition. <i>Key Engineering Materials</i> , <b>2006</b> , 314, 175-180	0.4	22
211	Nickel alumina graded coatings obtained by dipping and EPD on nickel substrates. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 2205-2212	6	22
210	Improved consolidation of alumina by agarose gelation. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 2527-2533	6	22
209	Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -BaTiO <sub>3</sub> Textured Ceramics with High Piezoelectric Response by a Novel Templated Grain Growth Approach. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 420-426	3.8	21
208	Enhanced properties of alumina-aluminium titanate composites obtained by spark plasma reaction-sintering of slip cast green bodies. <i>Composites Part B: Engineering</i> , <b>2013</b> , 47, 255-259	10	21
207	Determination and Control of Metallic Impurities in Alumina Deposits Obtained by Aqueous Electrophoretic Deposition. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 733-739	3.8	21
206	Aqueous injection moulding of silicon nitride. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 2661-2666		21
205	Slip casting of zircon by using an organic surfactant. <i>Ceramics International</i> , <b>1991</b> , 17, 37-40	5.1	21
204	Colloidal processing of fully stabilized zirconia laminates comprising graphene oxide-enriched layers. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 1797-1804	6	20
203	Atmospheric plasma spraying coatings from alumina-titania feedstock comprising bimodal particle size distributions. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 3313-3324	6	20
202	Alumina porous nanomaterials obtained by colloidal processing using d-fructose as dispersant and porosity promoter. <i>Ceramics International</i> , <b>2012</b> , 38, 2779-2784	5.1	20
201	Preparation of Cordierite Materials with Tailored Porosity by Gelcasting with Polysaccharides. <i>International Journal of Applied Ceramic Technology</i> , <b>2008</b> , 5, 74-83	2	20
200	Rheological behaviour of kaolin/talc/alumina suspensions for manufacturing cordierite foams. <i>Applied Clay Science</i> , <b>2007</b> , 37, 157-166	5.2	20

199	Slip casting of barium zirconate aqueous concentrated suspensions. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 1591-1598	6	20
198	Improved Green Strength of Ceramics Through Aqueous Gelcasting. <i>Advanced Engineering Materials</i> , <b>2004</b> , 6, 672-676	3.5	20
197	Colloidal Sol-Gel Synthesis and Photocatalytic Activity of Nanoparticulate Nb <sub>2</sub> O <sub>5</sub> Sols. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1968-1973	3.8	20
196	Application of plasma-sprayed TiO <sub>2</sub> coatings for industrial (tannery) wastewater treatment. <i>Ceramics International</i> , <b>2015</b> , 41, 14468-14474	5.1	19
195	Preparation of citrus pectin gels by power ultrasound and its application as an edible coating in strawberries. <i>Journal of the Science of Food and Agriculture</i> , <b>2018</b> , 98, 4866-4875	4.3	19
194	Porous Mullite Ceramics Formed by Direct Consolidation Using Native and Granular Cold-Water-Soluble Starches. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1074-1082	3.8	19
193	Colloidal stability of gadolinium-doped ceria powder in aqueous and non-aqueous media. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 297-303	6	19
192	Tape casting of strontium and cobalt doped lanthanum chromite suspensions. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 2897-2903	6	19
191	Determination of Peptization Time of Particulate Sols Using Optical Techniques: Titania As a Case Study. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 4161-4165	9.6	19
190	Colloidal Filtration of Silicon Nitride Aqueous Slips, Part II: Slip Casting and Pressure Casting Performance. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 49-59	6	19
189	Acid-basic stability of Y-TZP ceramics. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1989</b> , 109, 97-99	5.3	19
188	Rare earth-doped TiO <sub>2</sub> nanocrystalline thin films: Preparation and thermal stability. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 4457-4462	6	18
187	Fabrication and electrical characterization of several YSZ tapes for SOFC applications. <i>Ceramics International</i> , <b>2014</b> , 40, 14253-14259	5.1	18
186	Tape-Casting Performance of Ethanol Slurries for the Processing of Textured PMN-BT Ceramics from Nanocrystalline Powder. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 996-1001	3.8	18
185	Preventing ageing on Al <sub>2</sub> O <sub>3</sub> casting slips dispersed with polyelectrolytes. <i>Journal of Materials Science</i> , <b>2000</b> , 35, 5867-5872	4.3	18
184	Study of optical and structural properties of CZTS thin films grown by co-evaporation and spray pyrolysis. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 687, 012041	0.3	18
183	Processing and mechanical properties of mullite and mullite-alumina composites reinforced with carbon nanofibers. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 3613-3621	6	17
182	Role of shaping in the preparation of heterogeneous catalysts: Tableting and slip-casting of oxidation catalysts. <i>Catalysis Today</i> , <b>2015</b> , 246, 81-91	5.3	17



181	Electrophoretic deposition of TiO <sub>2</sub> /Er <sup>3+</sup> nanoparticulate sols. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 1556-62	3.4	17
180	Surface oxidation of Si <sub>3</sub> N <sub>4</sub> green compacts: Effect of sintering aids. <i>Journal of the European Ceramic Society</i> , <b>1997</b> , 17, 383-391	6	17
179	Ni-YSZ self-supported films by gel electrophoresis. <i>Ceramics International</i> , <b>2005</b> , 31, 863-868	5.1	17
178	Graphene or carbon nanofiber-reinforced zirconia composites: Are they really worthwhile for structural applications?. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 3994-4002	6	16
177	Aqueous colloidal processing of near-net shape B <sub>4</sub> CâNi cermet compacts. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 1915-1921	6	16
176	Effect of the RE (RE=Eu, Er) doping on the structural and textural properties of mesoporous TiO <sub>2</sub> thin films obtained by evaporation induced self-assembly method. <i>Thin Solid Films</i> , <b>2014</b> , 558, 140-148	2.2	16
175	Synthesis and Characterization of Anatase-Structured Titania Hollow Spheres Doped with Erbium (III). <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 3005-3011	3.8	16
174	Microstructure and photocatalytic activity of APS coatings obtained from different TiO <sub>2</sub> nanopowders. <i>Surface and Coatings Technology</i> , <b>2013</b> , 220, 179-186	4.4	16
173	Oil-related deflocculants for tape casting slips. <i>Journal of the European Ceramic Society</i> , <b>1997</b> , 17, 351-357		16
172	slip casting of cordierite and cordieriteâmullite materials. <i>Journal of the European Ceramic Society</i> , <b>1998</b> , 18, 2149-2157	6	16
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33	Determination of the plastic viscosity of superplasticized cement pastes through capillary viscometers. <i>Construction and Building Materials</i> , <b>2020</b> , 260, 119715	6.7	2
32	Dip coating of a carbon steel sheet with Ni reinforced TiO <sub>2</sub> nanoparticles. <i>Materials Research</i> , <b>2016</b> , 19, 648-653	1.5	2
31	Controlling colloidal processing of (K,Na)NbO <sub>3</sub> -based materials in aqueous medium. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 3456-3461	6	2
30	Colloidal and rheological characterization of SWCNT in biological media. <i>International Journal of Smart and Nano Materials</i> , <b>2019</b> , 10, 300-315	3.6	2
29	Microstructure and mechanical properties of 4YTZP-SiC composites obtained through colloidal processing and Spark Plasma Sintering. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , <b>2021</b> , 60, 175-182	1.9	2
28	The Possible Detriment of Oxygen in Creep of Alumina and Zirconia Ceramic Composites Reinforced with Graphene. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
27	Modeling of effective anisotropies in FeCo and Co nanowires <b>2017</b> ,		1
26	Synthesis and Characterization of Nanoparticulate Sols of TiO <sub>2</sub> Doped with Erbium (III) for Photoinduced Applications. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1442, 59		1
25	Effect of Mechanical Activation on Microstructure and Mechanical Properties of Aqueous Colloidal Processed Nickel Metal Matrix Nanocomposites. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 195-199	0.4	1
24	Industrial Pressure Casting of High Alumina Ceramics. <i>Key Engineering Materials</i> , <b>1997</b> , 132-136, 350-353	0.4	1
23	Nickel Sheets from Suspensions of the Metallic Powders in Water. <i>Advanced Engineering Materials</i> , <b>2008</b> , 10, 982-985	3.5	1
22	Colloidal Forming of Metal/Ceramic Composites. <i>Key Engineering Materials</i> , <b>2001</b> , 206-213, 227-230	0.4	1
21	Colloidal sol-gel: A powerful low-temperature aqueous synthesis route of nanosized powders and suspensions. <i>Open Ceramics</i> , <b>2021</b> , 8, 100200	3.3	1
20	Calculation of Dynamic Viscosity in Concentrated Cementitious Suspensions: Probabilistic Approximation and Bayesian Analysis. <i>Materials</i> , <b>2021</b> , 14,	3.5	1

19	Tribological behavior of TZ4YS-MoSi <sub>2</sub> composites obtained by Spark Plasma Sintering. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 7155-7163	6	1
18	Challenging zircon coatings by suspension plasma spraying. <i>Journal of the European Ceramic Society</i> , <b>2022</b> ,	6	1
17	Rheological Properties of Different Graphene Nanomaterials in Biological Media. <i>Materials</i> , <b>2022</b> , 15, 3593	3.5	1
16	Colloidal Processing of Ceramic-Ceramic and Ceramic-Metal Composites. <i>Ceramic Transactions</i> , 145-159	0.1	0
15	Non-linear rheological behavior of superplasticized cementitious suspensions at high shear rates. <i>Construction and Building Materials</i> , <b>2021</b> , 306, 124825	6.7	0
14	Consolidation of complex-shape zircon compacts through agar gelation. <i>European Journal of Materials</i> , <b>2022</b> , 2, 407-421		0
13	Colloidal Methods <b>2012</b> , 145-181		
12	Influência da atmosfera na sinterização do cromito de lantânio dopado. <i>Ceramica</i> , <b>2013</b> , 59, 366-371	1	
11	Dispersion and Rheology of Aqueous Suspensions of Nanosized BaTiO <sub>3</sub> . <i>International Journal of Applied Ceramic Technology</i> , <b>2009</b> , 7, E135-E143	2	
10	Manufacture of YSZ-LSM Semi-Cell by Colloidal Processing. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 746-751	0.1	
9	Correlation Between Rheological Behaviour of Alumina Slips and Characteristics of Pressure Cast Bodies. <i>Key Engineering Materials</i> , <b>1997</b> , 132-136, 346-349	0.4	
8	Interparticle Potentials of Aqueous Alumina Suspensions. <i>Advances in Science and Technology</i> , <b>2006</b> , 45, 337-346	0.1	
7	Thermogelation of Composite Films Produced by Electrophoretic Codeposition. <i>Key Engineering Materials</i> , <b>2006</b> , 314, 63-68	0.4	
6	Gelcasting of Dense Alumina Bodies Using Concentrated Agarose Gels. <i>Key Engineering Materials</i> , <b>2004</b> , 264-268, 193-196	0.4	
5	Forming of Ceramic Coatings by Dipping and EPD Through Carrageenan Gelation. <i>Key Engineering Materials</i> , <b>2004</b> , 264-268, 185-188	0.4	
4	Aqueous Tape Casting of Al <sub>2</sub> O <sub>3</sub> Based on Alginate Gelation. <i>Key Engineering Materials</i> , <b>2001</b> , 206-213, 409-412	0.4	
3	Comportamento reológico de suspensões aquosas de cromito de lantânio. <i>Ceramica</i> , <b>2011</b> , 57, 237-243	1	
2	Comparison of different silica sources in the development of plasma sprayed 45S5 bioactive glass coatings. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 544, 120164	3.9	

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