

Jordi PayÀ

List of Publications by Year in descending order

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218
papers

6,925
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41339

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220
docs citations

220
times ranked

4093
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Potential use of ceramic sanitary ware waste as pozzolanic material. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2022, 61, 611-621. | 1.9 | 11 |
| 2 | Biomass ashes to produce an alternative alkaline activator for alkali-activated cements. Materials Letters, 2022, 308, 131198. | 2.6 | 10 |
| 3 | Monitoring the pozzolanic effect of fly ash in blended OPC mortars by electrical impedance spectroscopy. Construction and Building Materials, 2022, 314, 125632. | 7.2 | 12 |
| 4 | Nonconventional alkaline activating solutions for alkali-activated mortars and concretes. , 2022, , 189-233. | | 0 |
| 5 | Durability of Glass Fiber Reinforced Cement (GRC) Containing a High Proportion of Pozzolans. Applied Sciences (Switzerland), 2022, 12, 3696. | 2.5 | 2 |
| 6 | Hybrid Lime-Geopolymer Systems: Microstructural, Mechanical and Durability Studies. Materials, 2022, 15, 2736. | 2.9 | 2 |
| 7 | The role of dissolved rice husk ash in the development of binary blast furnace slag-sewage sludge ash alkali-activated mortars. Journal of Building Engineering, 2022, 52, 104472. | 3.4 | 3 |
| 8 | Reusing Construction and Demolition Waste to Prepare Alkali-Activated Cement. Materials, 2022, 15, 3437. | 2.9 | 11 |
| 9 | Improving the reactivity of a former ground sugarcane bagasse ash produced by autogenous combustion through employment of two different additional grinding procedures. Construction and Building Materials, 2021, 270, 121471. | 7.2 | 5 |
| 10 | Effects of slow dynamics and conditioning on non-linear hysteretic material assessment using impact resonance acoustic spectroscopy. Mechanical Systems and Signal Processing, 2021, 150, 107273. | 8.0 | 3 |
| 11 | Comparison of original and washed pure sugar cane bagasse ashes as supplementary cementing materials. Construction and Building Materials, 2021, 272, 122001. | 7.2 | 15 |
| 12 | Pozzolanic activity of tiles, bricks and ceramic sanitary-ware in eco-friendly Portland blended cements. Journal of Cleaner Production, 2021, 279, 123713. | 9.3 | 58 |
| 13 | Lime/pozzolan/geopolymer systems: Performance in pastes and mortars. Construction and Building Materials, 2021, 276, 122208. | 7.2 | 10 |
| 14 | Reuse of Industrial and Agricultural Waste in the Fabrication of Geopolymeric Binders: Mechanical and Microstructural Behavior. Materials, 2021, 14, 2089. | 2.9 | 4 |
| 15 | Air-Void System Characterization of Eco-Cellular Concretes. Journal of Materials in Civil Engineering, 2021, 33, 04021088. | 2.9 | 0 |
| 16 | Evaluation of the long-term compressive strength development of the sewage sludge ash/metakaolin-based geopolymer. Materiales De Construccion, 2021, 71, e254. | 0.7 | 3 |
| 17 | Almond-shell biomass ash (ABA): A greener alternative to the use of commercial alkaline reagents in alkali-activated cement. Construction and Building Materials, 2021, 290, 123251. | 7.2 | 14 |
| 18 | Evaluation of Rice Straw Ash as a Pozzolanic Addition in Cementitious Mixtures. Applied Sciences (Switzerland), 2021, 11, 773. | 2.5 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Inorganic binders from petrochemical industry waste: The case of fluid catalytic cracking catalyst residue. , 2021, , 283-334. | | 4 |
| 20 | Design and properties of 100% waste-based ternary alkali-activated mortars: Blast furnace slag, olive-stone biomass ash and rice husk ash. Journal of Cleaner Production, 2020, 243, 118568. | 9.3 | 62 |
| 21 | Stabilization of soil by means alternative alkali-activated cement prepared with spent FCC catalyst. International Journal of Applied Ceramic Technology, 2020, 17, 190-196. | 2.1 | 1 |
| 22 | Salt slag recycled by-products in high insulation alternative environmentally friendly cellular concrete manufacturing. Construction and Building Materials, 2020, 231, 117114. | 7.2 | 10 |
| 23 | Formulation of Alkali-Activated Slag Binder Destined for Use in Developing Countries. Applied Sciences (Switzerland), 2020, 10, 9088. | 2.5 | 3 |
| 24 | Sustainable Soil-Compacted Blocks Containing Blast Furnace Slag (BFS) Activated with Olive Stone BIOMASS Ash (OBA). Sustainability, 2020, 12, 9824. | 3.2 | 4 |
| 25 | Concrete for Precast Blocks: Binary and Ternary Combination of Sewage Sludge Ash with Diverse Mineral Residue. Materials, 2020, 13, 4634. | 2.9 | 3 |
| 26 | One-part eco-cellular concrete for the precast industry: Functional features and life cycle assessment. Journal of Cleaner Production, 2020, 269, 122203. | 9.3 | 21 |
| 27 | One-part blast furnace slag mortars activated with almond-shell biomass ash: A new 100% waste-based material. Materials Letters, 2020, 272, 127882. | 2.6 | 21 |
| 28 | Effect of different high surface area silicas on the rheology of cement paste. Materiales De Construccion, 2020, 70, 231. | 0.7 | 4 |
| 29 | Comparative Study of Coupling Techniques in Lamb Wave Testing of Metallic and Cementitious Plates. Sensors, 2019, 19, 4068. | 3.8 | 4 |
| 30 | Effect of sewage sludge ash on mechanical and microstructural properties of geopolymers based on metakaolin. Construction and Building Materials, 2019, 203, 95-103. | 7.2 | 42 |
| 31 | Nonlinear Acoustic Spectroscopy and Frequency Sweep Ultrasonics: Case on Thermal Damage Assessment in Mortar. Journal of Nondestructive Evaluation, 2019, 38, 1. | 2.4 | 4 |
| 32 | Production of bamboo leaf ash by auto-combustion for pozzolanic and sustainable use in cementitious matrices. Construction and Building Materials, 2019, 208, 369-380. | 7.2 | 31 |
| 33 | Cement-Based Material Characterization Using Nonlinear Single-Impact Resonant Acoustic Spectroscopy (NSIRAS). , 2019, , 487-508. | | 2 |
| 34 | Fundamentals of Nonlinear Acoustical Techniques and Sideband Peak Count. , 2019, , 1-88. | | 14 |
| 35 | Application of alkali-activated industrial waste. , 2019, , 357-424. | | 17 |
| 36 | Sewage sludge ash. , 2019, , 121-152. | | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Use of residual diatomaceous earth as a silica source in geopolymer production. <i>Materials Letters</i> , 2018, 223, 10-13. | 2.6 | 32 |
| 38 | Influence of calcium additions on the compressive strength and microstructure of alkali-activated ceramic sanitary-ware. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3094-3104. | 3.8 | 20 |
| 39 | Mineralogical evolution of cement pastes at early ages based on thermogravimetric analysis (TG). <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 39-46. | 3.6 | 31 |
| 40 | New use of sugar cane straw ash in alkali-activated materials: A silica source for the preparation of the alkaline activator. <i>Construction and Building Materials</i> , 2018, 171, 611-621. | 7.2 | 57 |
| 41 | Optimum Use of Sugar Cane Straw Ash in Alkali-Activated Binders Based on Blast Furnace Slag. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, 04018084. | 2.9 | 6 |
| 42 | An Approach to a New Supplementary Cementing Material: Arundo donax Straw Ash. <i>Sustainability</i> , 2018, 10, 4273. | 3.2 | 6 |
| 43 | Microscopic Chemical Characterization and Reactivity in Cementing Systems of Elephant Grass Leaf Ashes. <i>Microscopy and Microanalysis</i> , 2018, 24, 593-603. | 0.4 | 3 |
| 44 | New eco-cellular concretes: sustainable and energy-efficient materials. <i>Green Chemistry</i> , 2018, 20, 4684-4694. | 9.0 | 26 |
| 45 | Effect of Pyrogenic Silica and Nanosilica on Portland Cement Matrices. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, . | 2.9 | 10 |
| 46 | Olive-stone biomass ash (OBA): An alternative alkaline source for the blast furnace slag activation. <i>Construction and Building Materials</i> , 2018, 178, 327-338. | 7.2 | 52 |
| 47 | Influence of Addition of Fluid Catalytic Cracking Residue (FCC) and the SiO ₂ Concentration in Alkali-Activated Ceramic Sanitary-Ware (CSW) Binders. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 123. | 2.0 | 13 |
| 48 | The Compressive Strength and Microstructure of Alkali-Activated Binary Cements Developed by Combining Ceramic Sanitaryware with Fly Ash or Blast Furnace Slag. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 337. | 2.0 | 5 |
| 49 | Influence of microwave oven calcination on the pozzolanicity of sugar cane bagasse ashes (SCBA) from the cogeneration industry. <i>Construction and Building Materials</i> , 2018, 187, 892-902. | 7.2 | 19 |
| 50 | Flipped Accumulative Non-Linear Single Impact Resonance Acoustic Spectroscopy (FANSIRAS): A novel feature extraction algorithm for global damage assessment. <i>Journal of Sound and Vibration</i> , 2018, 432, 454-469. | 3.9 | 12 |
| 51 | Drying-rewetting cycles in ordinary Portland cement mortars investigated by electrical impedance spectroscopy. <i>Construction and Building Materials</i> , 2018, 187, 954-963. | 7.2 | 4 |
| 52 | Bagasse ash. , 2018, , 559-598. | | 19 |
| 53 | Valorisation of sugarcane bagasse ash (SCBA) with high quartz content as pozzolanic material in Portland cement mixtures. <i>Materiales De Construccion</i> , 2018, 68, 153. | 0.7 | 17 |
| 54 | Resistance to acid attack of alkali-activated binders: Simple new techniques to measure susceptibility. <i>Construction and Building Materials</i> , 2017, 150, 355-366. | 7.2 | 23 |

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|----|---|------|-----------|
| 55 | A 100% waste-based alkali-activated material by using olive-stone biomass ash (OBA) and blast furnace slag (BFS). <i>Materials Letters</i> , 2017, 203, 46-49. | 2.6 | 44 |
| 56 | Effect of sugar cane straw ash (SCSA) as solid precursor and the alkaline activator composition on alkali-activated binders based on blast furnace slag (BFS). <i>Construction and Building Materials</i> , 2017, 144, 214-224. | 7.2 | 34 |
| 57 | Rice straw ash: A potential pozzolanic supplementary material for cementing systems. <i>Industrial Crops and Products</i> , 2017, 103, 39-50. | 5.2 | 69 |
| 58 | Ultrasonic and impact spectroscopy monitoring on internal sulphate attack of cement-based materials. <i>Materials and Design</i> , 2017, 125, 46-54. | 7.0 | 19 |
| 59 | Ultrasonic broadband signals monitoring of glass-fiber reinforced cement (GRC) bending tests. <i>Cement and Concrete Composites</i> , 2017, 80, 55-63. | 10.7 | 8 |
| 60 | Geopolymer eco-cellular concrete (GECC) based on fluid catalytic cracking catalyst residue (FCC) with addition of recycled aluminium foil powder. <i>Journal of Cleaner Production</i> , 2017, 168, 1120-1131. | 9.3 | 28 |
| 61 | Ultrasonic signal modality: A novel approach for concrete damage evaluation. <i>Cement and Concrete Research</i> , 2017, 101, 25-32. | 11.0 | 30 |
| 62 | Compressive strength and microstructure of alkali-activated mortars with high ceramic waste content. <i>Ceramics International</i> , 2017, 43, 13622-13634. | 4.8 | 55 |
| 63 | Degradation Process of Postconsumer Waste Bottle Fibers Used in Portland Cement-Based Composites. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, . | 2.9 | 9 |
| 64 | Compressive Strength and Microstructure of Alkali-Activated Blast Furnace Slag/Sewage Sludge Ash (GGBS/SSA) Blends Cured at Room Temperature. <i>Waste and Biomass Valorization</i> , 2017, 8, 1441-1451. | 3.4 | 32 |
| 65 | New inorganic binders containing ashes from agricultural wastes. , 2017, , 127-164. | | 7 |
| 66 | Preliminary studies on hydrated cement for its reuse in geopolymers. <i>DYNA (Colombia)</i> , 2016, 83, 229-238. | 0.4 | 3 |
| 67 | Portland cement, gypsum and fly ash binder systems characterization for lignocellulosic fiber-cement. <i>Construction and Building Materials</i> , 2016, 124, 208-218. | 7.2 | 25 |
| 68 | Ceramic tiles waste as replacement material in Portland cement. <i>Advances in Cement Research</i> , 2016, 28, 221-232. | 1.6 | 41 |
| 69 | Increasing the sustainability of alkali-activated binders: The use of sugar cane straw ash (SCSA). <i>Construction and Building Materials</i> , 2016, 124, 148-154. | 7.2 | 42 |
| 70 | Behaviour of metakaolin-based geopolymers incorporating sewage sludge ash (SSA). <i>Materials Letters</i> , 2016, 180, 192-195. | 2.6 | 35 |
| 71 | Pozzolanic Reactivity Studies on a Biomass-Derived Waste from Sugar Cane Production: Sugar Cane Straw Ash (SCSA). <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4273-4279. | 6.7 | 15 |
| 72 | High strength mortars using ordinary Portland cement-fly ash-fluid catalytic cracking catalyst residue ternary system (OPC/FA/FCC). <i>Construction and Building Materials</i> , 2016, 106, 228-235. | 7.2 | 33 |

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|----|---|------|-----------|
| 73 | Evaluation of the pozzolanic activity of spent FCC catalyst/fly ash mixtures in Portland cement pastes. <i>Thermochimica Acta</i> , 2016, 632, 29-36. | 2.7 | 50 |
| 74 | Dynamic acousto-elastic test using continuous probe wave and transient vibration to investigate material nonlinearity. <i>Ultrasonics</i> , 2016, 69, 29-37. | 3.9 | 23 |
| 75 | Study of the binary system fly ash/sugarcane bagasse ash (FA/SCBA) in SiO ₂ /K ₂ O alkali-activated binders. <i>Fuel</i> , 2016, 174, 307-316. | 6.4 | 44 |
| 76 | Assessment of pozzolanic/hydraulic reactivity of vitreous calcium aluminosilicate (VCAS). <i>Materials and Design</i> , 2016, 96, 424-430. | 7.0 | 16 |
| 77 | Potentiometric thick-film sensors for measuring the pH of concrete. <i>Cement and Concrete Composites</i> , 2016, 68, 66-76. | 10.7 | 20 |
| 78 | Use of ancient copper slags in Portland cement and alkali activated cement matrices. <i>Journal of Environmental Management</i> , 2016, 167, 115-123. | 7.8 | 76 |
| 79 | Influence of calcium aluminate cement (CAC) on alkaline activation of red clay brick waste (RCBW). <i>Cement and Concrete Composites</i> , 2016, 65, 177-185. | 10.7 | 60 |
| 80 | Optimized ultrasonic attenuation measures for non-homogeneous materials. <i>Ultrasonics</i> , 2016, 65, 345-352. | 3.9 | 13 |
| 81 | Microscopy Characterization of Silica-Rich Agrowastes to be used in Cement Binders: Bamboo and Sugarcane Leaves. <i>Microscopy and Microanalysis</i> , 2015, 21, 1314-1326. | 0.4 | 25 |
| 82 | Monitoring accelerated carbonation on standard Portland cement mortar by nonlinear resonance acoustic test. , 2015, , . | | 1 |
| 83 | Preliminary study on short-term sulphate attack evaluation by non-linear impact resonance acoustic spectroscopy technique. <i>Construction and Building Materials</i> , 2015, 78, 295-302. | 7.2 | 17 |
| 84 | Study of durability of Portland cement mortars blended with silica nanoparticles. <i>Construction and Building Materials</i> , 2015, 80, 92-97. | 7.2 | 85 |
| 85 | Reuse of aluminosilicate industrial waste materials in the production of alkali-activated concrete binders. , 2015, , 487-518. | | 7 |
| 86 | Assessment of sugar cane straw ash (SCSA) as pozzolanic material in blended Portland cement: Microstructural characterization of pastes and mechanical strength of mortars. <i>Construction and Building Materials</i> , 2015, 94, 670-677. | 7.2 | 77 |
| 87 | Multimodal analysis of GRC ageing process using nonlinear impact resonance acoustic spectroscopy. <i>Composites Part B: Engineering</i> , 2015, 76, 105-111. | 12.0 | 8 |
| 88 | Ultrasonic characterization of GRC with high percentage of fly ash substitution. <i>Ultrasonics</i> , 2015, 60, 88-95. | 3.9 | 9 |
| 89 | Use of high-resolution thermogravimetric analysis (HRTG) technique in spent FCC catalyst/Portland cement pastes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1511-1517. | 3.6 | 12 |
| 90 | The effects of moisture and micro-structural modifications in drying mortars on vibration-based NDT methods. <i>Construction and Building Materials</i> , 2015, 94, 565-571. | 7.2 | 23 |

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|-----|--|-----|-----------|
| 91 | Ternary Blended Cementitious Matrix for Vegetable Fiber Reinforced Composites. Key Engineering Materials, 2015, 668, 3-10. | 0.4 | 3 |
| 92 | Effect of carbonation on the linear and nonlinear dynamic properties of cement-based materials. Optical Engineering, 2015, 55, 011004. | 1.0 | 8 |
| 93 | Mechanical and durability properties of alkali-activated mortar based on sugarcane bagasse ash and blast furnace slag. Ceramics International, 2015, 41, 13012-13024. | 4.8 | 93 |
| 94 | Ceramic tiles waste as replacement material in Portland cement. Advances in Cement Research, 2015, , 1-12. | 1.6 | 2 |
| 95 | Performance of mortars produced with the incorporation of sugar cane bagasse ash. Revista Ingenieria De Construccion, 2014, 29, 187-199. | 0.4 | 13 |
| 96 | Spent FCC Catalyst for Preparing Alkali-Activated Binders: An Opportunity for a High-Degree Valorization. Key Engineering Materials, 2014, 600, 709-716. | 0.4 | 7 |
| 97 | Assessment of the Pozzolanic Activity of a Spent Catalyst by Conductivity Measurement of Aqueous Suspensions with Calcium Hydroxide. Materials, 2014, 7, 2561-2576. | 2.9 | 11 |
| 98 | Assessment of Pozzolanic Activity Using Methods Based on the Measurement of Electrical Conductivity of Suspensions of Portland Cement and Pozzolan. Materials, 2014, 7, 7533-7547. | 2.9 | 9 |
| 99 | Non-classical nonlinear feature extraction from standard resonance vibration data for damage detection. Journal of the Acoustical Society of America, 2014, 135, EL82-EL87. | 1.1 | 33 |
| 100 | Microconcrete with partial replacement of Portland cement by fly ash and hydrated lime addition. Materials & Design, 2014, 64, 535-541. | 5.1 | 28 |
| 101 | Carbon footprint of geopolymetric mortar: study of the contribution of the alkaline activating solution and assessment of an alternative route. RSC Advances, 2014, 4, 23846-23852. | 3.6 | 115 |
| 102 | Portland cement systems with addition of sewage sludge ash. Application in concretes for the manufacture of blocks. Journal of Cleaner Production, 2014, 82, 112-124. | 9.3 | 113 |
| 103 | Blending of industrial waste from different sources as partial substitution of Portland cement in pastes and mortars. Construction and Building Materials, 2014, 66, 645-653. | 7.2 | 45 |
| 104 | Physical and mechanical properties of foamed Portland cement composite containing crumb rubber from worn tires. Materials & Design, 2014, 59, 550-557. | 5.1 | 77 |
| 105 | Influence of the activator concentration and calcium hydroxide addition on the properties of alkali-activated porcelain stoneware. Construction and Building Materials, 2014, 63, 214-222. | 7.2 | 52 |
| 106 | Refluxed rice husk ash/NaOH suspension for preparing alkali activated binders. Materials Letters, 2014, 115, 72-74. | 2.6 | 79 |
| 107 | Evaluation of frost damage in cement-based materials by a nonlinear elastic wave technique. , 2014, , | | 7 |
| 108 | New method to assess the pozzolanic reactivity of mineral admixtures by means of pH and electrical conductivity measurements in lime:pozzolan suspensions. Materiales De Construccion, 2014, 64, e032. | 0.7 | 18 |

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|-----|---|------|-----------|
| 109 | Potential use of sewage sludge ash (SSA) as a cement replacement in precast concrete blocks. <i>Materiales De Construccion</i> , 2014, 64, e002. | 0.7 | 24 |
| 110 | Nondestructive Monitoring of Ageing of Alkali Resistant Glass Fiber Reinforced Cement (GRC). <i>Journal of Nondestructive Evaluation</i> , 2013, 32, 300-314. | 2.4 | 71 |
| 111 | Immobilization of Zn(II) in Portland cement pastes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1377-1389. | 3.6 | 27 |
| 112 | Effect of pozzolans on the hydration process of Portland cement cured at low temperatures. <i>Cement and Concrete Composites</i> , 2013, 42, 41-48. | 10.7 | 62 |
| 113 | Alkaline Activation of Ceramic Waste Materials. <i>Waste and Biomass Valorization</i> , 2013, 4, 729-736. | 3.4 | 114 |
| 114 | Use of highly reactive rice husk ash in the production of cement matrix reinforced with green coconut fiber. <i>Industrial Crops and Products</i> , 2013, 49, 88-96. | 5.2 | 53 |
| 115 | Effect of curing time on microstructure and mechanical strength development of alkali activated binders based on vitreous calcium aluminosilicate (VCAS). <i>Bulletin of Materials Science</i> , 2013, 36, 245-249. | 1.7 | 20 |
| 116 | Alkali activated materials based on fluid catalytic cracking catalyst residue (FCC): Influence of SiO ₂ /Na ₂ O and H ₂ O/FCC ratio on mechanical strength and microstructure. <i>Fuel</i> , 2013, 108, 833-839. | 6.4 | 45 |
| 117 | Effect of nanosilica-based activators on the performance of an alkali-activated fly ash binder. <i>Cement and Concrete Composites</i> , 2013, 35, 1-11. | 10.7 | 142 |
| 118 | Mechanical and physical performance of low alkalinity cementitious composites reinforced with recycled cellulosic fibres pulp from cement kraft bags. <i>Industrial Crops and Products</i> , 2013, 49, 422-427. | 5.2 | 39 |
| 119 | Geopolymers based on spent catalyst residue from a fluid catalytic cracking (FCC) process. <i>Fuel</i> , 2013, 109, 493-502. | 6.4 | 66 |
| 120 | The use of electrical impedance spectroscopy for monitoring the hydration products of Portland cement mortars with high percentage of pozzolans. <i>Cement and Concrete Research</i> , 2013, 50, 51-61. | 11.0 | 79 |
| 121 | Properties and microstructure of alkali-activated red clay brick waste. <i>Construction and Building Materials</i> , 2013, 43, 98-106. | 7.2 | 252 |
| 122 | Cement equivalence factor evaluations for fluid catalytic cracking catalyst residue. <i>Cement and Concrete Composites</i> , 2013, 39, 12-17. | 10.7 | 28 |
| 123 | Use of Slag/Sugar Cane Bagasse Ash (SCBA) Blends in the Production of Alkali-Activated Materials. <i>Materials</i> , 2013, 6, 3108-3127. | 2.9 | 93 |
| 124 | Pozzolanic reaction rate of fluid catalytic cracking catalyst residue (FC3R) in cement pastes. <i>Advances in Cement Research</i> , 2013, 25, 112-118. | 1.6 | 20 |
| 125 | Novel geopolymeric material cured at room temperature. <i>Advances in Applied Ceramics</i> , 2013, 112, 179-183. | 1.1 | 13 |
| 126 | Monitoring ageing of alkali resistant glass fiber reinforced cement (GRC) using guided ultrasonic waves. <i>Proceedings of SPIE</i> , 2013, , . | 0.8 | 1 |

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|-----|---|------|-----------|
| 127 | Efecto de un aditivo extraído de la planta <i>Agave americana</i> sobre las propiedades físicas y mecánicas de un yeso. <i>Materiales De Construccion</i> , 2013, 63, 79-92. | 0.7 | 1 |
| 128 | Mechanical Strength of Lime-Rice Husk Ash Mortars: A Preliminary Study. <i>Key Engineering Materials</i> , 2012, 517, 495-499. | 0.4 | 8 |
| 129 | Alkali activation of vitreous calcium aluminosilicate derived from glass fiber waste. <i>Journal of Sustainable Cement-Based Materials</i> , 2012, 1, 83-93. | 3.1 | 18 |
| 130 | Variables Involved in the Planting of Rice in the Rice Husk. <i>Key Engineering Materials</i> , 2012, 517, 430-436. | 0.4 | 1 |
| 131 | Mineralogical evolution of Portland cement blended with silica nanoparticles and its effect on mechanical strength. <i>Construction and Building Materials</i> , 2012, 36, 736-742. | 7.2 | 80 |
| 132 | Structure of Portland Cement Pastes Blended with Sonicated Silica Fume. <i>Journal of Materials in Civil Engineering</i> , 2012, 24, 1295-1304. | 2.9 | 25 |
| 133 | A new geopolymeric binder from hydrated-carbonated cement. <i>Materials Letters</i> , 2012, 74, 223-225. | 2.6 | 29 |
| 134 | New geopolymeric binder based on fluid catalytic cracking catalyst residue (FCC). <i>Materials Letters</i> , 2012, 80, 50-52. | 2.6 | 54 |
| 135 | Increase of the reactivity of densified silica fume by sonication treatment. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 1099-1107. | 8.2 | 32 |
| 136 | Determination of the optimum parameters in the high resolution thermogravimetric analysis (HRTG) for cementitious materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 233-239. | 3.6 | 20 |
| 137 | ¿Es compatible la durabilidad con la sostenibilidad en la industria de la construcción?. <i>Revista ALCONPAT</i> , 2012, 2, 57-71. | 0.3 | 0 |
| 138 | Pozzolanic activity of a spent fluid catalytic cracking catalyst residue. <i>Advances in Cement Research</i> , 2011, 23, 105-111. | 1.6 | 15 |
| 139 | Effect of sonication on the reactivity of silica fume in Portland cement mortars. <i>Advances in Cement Research</i> , 2011, 23, 23-31. | 1.6 | 19 |
| 140 | Evaluación de las propiedades eléctricas de morteros de cemento con puzolanas. <i>Materiales De Construccion</i> , 2011, 61, 7-26. | 0.7 | 8 |
| 141 | The effect of processed fly ashes on the durability and the corrosion of steel rebars embedded in cement-modified fly ash mortars. <i>Cement and Concrete Composites</i> , 2010, 32, 204-210. | 10.7 | 43 |
| 142 | Carbonation rate and reinforcing steel corrosion rate of OPC/FC3R/FA mortars under accelerated conditions. <i>Advances in Cement Research</i> , 2009, 21, 15-22. | 1.6 | 17 |
| 143 | Accelerated carbonation of cement pastes partially substituted with fluid catalytic cracking catalyst residue (FC3R). <i>Cement and Concrete Composites</i> , 2009, 31, 134-138. | 10.7 | 23 |
| 144 | Improvement of the chloride ingress resistance of OPC mortars by using spent cracking catalyst. <i>Cement and Concrete Research</i> , 2009, 39, 126-139. | 11.0 | 27 |

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|-----|--|------|-----------|
| 145 | The carbonation of OPC mortars partially substituted with spent fluid catalytic catalyst (FC3R) and its influence on their mechanical properties. <i>Construction and Building Materials</i> , 2009, 23, 1323-1328. | 7.2 | 23 |
| 146 | Estudio del comportamiento de diversos residuos de catalizadores de craqueo catalítico (FCC) en cemento Portland. <i>Materiales De Construccion</i> , 2009, 59, 37-52. | 0.7 | 14 |
| 147 | The use of thermogravimetric analysis technique for the characterization of construction materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 91, 503-509. | 3.6 | 60 |
| 148 | Mechanical and physical properties of cement blended with sewage sludge ash. <i>Waste Management</i> , 2008, 28, 2495-2502. | 7.4 | 110 |
| 149 | Chloride-induced corrosion of steel embedded in mortars containing fly ash and spent cracking catalyst. <i>Corrosion Science</i> , 2008, 50, 1567-1575. | 6.6 | 50 |
| 150 | Granulometric activation of densified silica fume (CSF) by sonication. <i>Advances in Cement Research</i> , 2008, 20, 129-135. | 1.6 | 15 |
| 151 | Estudio de la velocidad de corrosión de aceros embebidos en morteros de cemento sustituidos con residuo de catalizador de craqueo catalítico (FC3R). <i>Materiales De Construccion</i> , 2008, 58, . | 0.7 | 5 |
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