Moises FrÃ-as

List of Publications by Year
in descending order

170 papers	7,595 citations	44069 48 h-index	66911 78 g-index
171 all docs	171 docs citations	171 times ranked	4304 citing authors

#	Article	IF	Citations
1	From mobile phone data to the spatial structure of cities. Scientific Reports, 2014, 4, 5276.	3.3	285
2	Influence of mixed recycled aggregate on the physical â€“ mechanical properties of recycled concrete. Journal of Cleaner Production, 2014, 68, 216-225.	9.3	233
3	The effect that the pozzolanic reaction of metakaolin has on the heat evolution in metakaolin-cement mortars. Cement and Concrete Research, 2000, 30, 209-216.	11.0	225
4	Pore size distribution and degree of hydration of metakaolinâ€“cement pastes. Cement and Concrete Research, 2000, 30, 561-569.	11.0	214
5	Brazilian sugar cane bagasse ashes from the cogeneration industry as active pozzolans for cement manufacture. Cement and Concrete Composites, 2011, 33, 490-496.	10.7	206
6	Reuse of sanitary ceramic wastes as coarse aggregate in eco-efficient concretes. Cement and Concrete Composites, 2012, 34, 48-54.	10.7	177
7	Microstructure and properties of recycled concretes using ceramic sanitary ware industry waste as coarse aggregate. Construction and Building Materials, 2012, 31, 112-118.	7.2	171
8	The effect of temperature on the hydration rate and stability of the hydration phases of metakaolinâ€“limeâ€“water systems. Cement and Concrete Research, 2002, 32, 133-138.	11.0	164
9	Mechanism of hydration of the metakaolinâ€“limeâ€“water system. Cement and Concrete Research, 2001, 31, 177-182.	11.0	156
10	Influence of MK on the reaction kinetics in MK/lime and MK-blended cement systems at 20Â°C. Cement and Concrete Research, 2001, 31, 519-527.	11.0	143
11	Freeze-thaw durability of recycled concrete containing ceramic aggregate. Journal of Cleaner Production, 2013, 40, 151-160.	9.3	137
12	Pozzolanic behavior of bamboo leaf ash: Characterization and determination of the kinetic parameters. Cement and Concrete Composites, 2011, 33, 68-73.	10.7	136
13	The pozzolanic properties of paper sludge waste. Construction and Building Materials, 2008, 22, 1484-1490.	7.2	125
14	Effect of activated coal mining wastes on the properties of blended cement. Cement and Concrete Composites, 2012, 34, 678-683.	10.7	117
15	Characterisation of sugar cane straw waste as pozzolanic material for construction: Calcining temperature and kinetic parameters. Waste Management, 2007, 27, 533-538.	7.4	115
16	Chemical assessment of the electric arc furnace slag as construction material: Expansive compounds. Cement and Concrete Research, 2004, 34, 1881-1888.	11.0	107
17	Cross-Checking Different Sources of Mobility Information. PLoS ONE, 2014, 9, e105184.	2.5	106
18	Pre-normative research on the use of mixed recycled aggregates in unbound road sections. Construction and Building Materials, 2011, 25, 2674-2682.	7.2	105

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19	Characterization and properties of blended cement matrices containing activated bamboo leaf wastes. Cement and Concrete Composites, 2012, 34, 1019-1023.	10.7	97
20	Paper sludge, an environmentally sound alternative source of MK-based cementitious materials. A review. Construction and Building Materials, 2015, 74, 37-48.	7.2	96
21	Effects of calcining conditions on the microstructure of sugar cane waste ashes (SCWA): Influence in the pozzolanic activation. Cement and Concrete Composites, 2009, 31, 22-28.	10.7	95
22	Durability of recycled concrete made with recycled ceramic sanitary ware aggregate. Inter-indicator relationships. Construction and Building Materials, 2016, 105, 480-486.	7.2	95
23	Mineralogical and morphological changes of calcined paper sludge at different temperatures and retention in furnace. Applied Clay Science, 2007, 36, 279-286.	5.2	94
24	The effect of high curing temperature on the reaction kinetics in MK/lime and MK-blended cement matrices at 60 Â°C. Cement and Concrete Research, 2003, 33, 643-649.	11.0	92
25	Rheological and calorimetric behaviour of cements blended with containing ceramic sanitary ware and construction/demolition waste. Construction and Building Materials, 2013, 40, 822-831.	7.2	91
26	Freezeâ€“thaw resistance of blended cements containing calcined paper sludge. Construction and Building Materials, 2009, 23, 2862-2868.	7.2	89
27	The pozzolanic activity of different materials, its influence on the hydration heat in mortars. Cement and Concrete Research, 1996, 26, 203-213.	11.0	88
28	Study of hydrated phases present in a MKâ€“lime system cured at 60 Â°C and 60 months of reaction. Cement and Concrete Research, 2006, 36, 827-831.	11.0	87
29	Effect of the constituents (asphalt, clay materials, floating particles and fines) of construction and demolition waste on the properties of recycled concretes. Construction and Building Materials, 2015, 79, 22-33.	7.2	84
30	DiseÃ±o y prestaciones de morteros de albaÃ±ilerÃa elaborados con Ã¡ridos reciclados procedentes de escombro de hormigÃ³n. Materiales De Construccion, 2009, 59, 5-18.	0.7	81
31	Properties of Calcined Clay Waste and its Influence on Blended Cement Behavior. Journal of the American Ceramic Society, 2008, 91, 1226-1230.	3.8	80
32	Rheology and conduction calorimetry of cement modified with calcined paper sludge. Cement and Concrete Research, 2007, 37, 184-190.	11.0	75
33	Characterisation of calcined paper sludge as an environmentally friendly source of metakaolin for manufacture of cementitious materials. Advances in Cement Research, 2008, 20, 23-30.	1.6	74
34	Properties of recycled ceramic aggregate concretes: Water resistance. Cement and Concrete Composites, 2013, 40, 21-29.	10.7	73
35	Seawater effect on durability of ternary cements. Synergy of chloride and sulphate ions. Composites Part B: Engineering, 2013, 46, 173-178.	12.0	73
36	Calcination of art paper sludge waste for the use as a supplementary cementing material. Applied Clay Science, 2008, 42, 189-193.	5.2	72

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37	Pozzolanic reaction of a spent fluid catalytic cracking catalyst in FCC-cement mortars. Journal of Thermal Analysis and Calorimetry, 2007, 90, 443-447.	3.6	70
38	Micro-Raman spectroscopy in white portland cement hydration: long-term study at room temperature. Journal of Raman Spectroscopy, 2006, 37, 555-561.	2.5	68
39	Recycling of silicomanganese slag as pozzolanic material in Portland cements: Basic and engineering properties. Cement and Concrete Research, 2006, 36, 487-491.	11.0	65
40	Scientific Aspects of Kaolinite Based Coal Mining Wastes in Pozzolan/<scp><scp>Ca(OH)₂</scp></scp> System. Journal of the American Ceramic Society, 2012, 95, 386-391.	3.8	65
41	Potential of the hornification treatment on eucalyptus and pine fibers for fiber-cement applications. Cellulose, 2017, 24, 2275-2286.	4.9	62
42	The effect that different pozzolanic activity methods has on the kinetic constants of the pozzolanic reaction in sugar cane straw-clay ash/lime systems: Application of a kineticâ€“diffusive model. Cement and Concrete Research, 2005, 35, 2137-2142.	11.0	60
43	Mineralogical and microstructural changes promoted by accelerated carbonation and ageing cycles of hybrid fiberâ€“cement composites. Construction and Building Materials, 2014, 68, 750-756.	7.2	60
44	Gas permeability in concrete containing recycled ceramic sanitary ware aggregate. Construction and Building Materials, 2012, 37, 597-605.	7.2	59
45	Accelerated carbonation effect on behaviour of ternary Portland cements. Composites Part B: Engineering, 2013, 48, 122-128.	12.0	59
46	Use of recycled copper slag for blended cements. Journal of Chemical Technology and Biotechnology, 2008, 83, 209-217.	3.2	55
47	Influence of the microsilica state on pozzolanic reaction rate. Cement and Concrete Research, 1999, 29, 945-949.	11.0	54
48	Characterization of Ceramicâ€Based Construction and Demolition Waste: Use as Pozzolan in Cements. Journal of the American Ceramic Society, 2016, 99, 4121-4127.	3.8	52
49	Investigations on the fly ash-calcium hydroxide reactions. Cement and Concrete Research, 1989, 19, 69-80.	11.0	50
50	Characterization and properties of elephant grass ashes as supplementary cementing material in pozzolan/Ca(OH)2 pastes. Construction and Building Materials, 2014, 73, 391-398.	7.2	47
51	Improved interfacial transition zone between aggregate-cementitious matrix by addition sugarcane industrial ash. Cement and Concrete Composites, 2017, 80, 157-167.	10.7	47
52	Influence of the calcined paper sludge on the development of hydration heat in blended cement mortars. Journal of Thermal Analysis and Calorimetry, 2008, 92, 865-871.	3.6	44
53	Mineralogical and chemical evolution of hydrated phases in the pozzolanic reaction of calcined paper sludge. Cement and Concrete Composites, 2010, 32, 775-782.	10.7	43
54	The effect of curing temperature on white cement hydration. Construction and Building Materials, 2009, 23, 1344-1348.	7.2	42

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55	Effect of incorporating ferroalloy industry wastes as complementary cementing materials on the properties of blended cement matrices. Cement and Concrete Composites, 2008, 30, 212-219.	10.7	41
56	Coal-Mining Tailings as a Pozzolanic Material in Cements Industry. Minerals (Basel, Switzerland), 2018, 8, 46.	2.0	41
57	Physicalâ€“mechanical behavior of binary cements blended with thermally activated coal mining waste. Construction and Building Materials, 2015, 99, 169-174.	7.2	40
58	Use of microâ€Raman spectroscopy to study reaction kinetics in blended white cement pastes containing metakaolin. Journal of Raman Spectroscopy, 2009, 40, 2063-2068.	2.5	39
59	The influence of SiMn slag on chemical resistance of blended cement pastes. Construction and Building Materials, 2009, 23, 1472-1475.	7.2	39
60	Behaviour and Properties of Eco-Cement Pastes Elaborated with Recycled Concrete Powder from Construction and Demolition Wastes. Materials, 2021, 14, 1299.	2.9	38
61	Clay-based construction and demolition waste as a pozzolanic addition in blended cements. Effect on sulfate resistance. Construction and Building Materials, 2016, 127, 950-958.	7.2	37
62	Microstructural alterations in fly ash mortars: Study on phenomena affecting particle and pore size. Cement and Concrete Research, 1997, 27, 619-628.	11.0	36
63	Properties and Performances of Concrete Tiles Containing Waste Fired Clay Materials. Journal of the American Ceramic Society, 2007, 90, 3559-3565.	3.8	35
64	Effect of petroleum (pet) coke addition on the density and thermal conductivity of cement pastes and mortars. Fuel, 2013, 107, 138-146.	6.4	35
65	Influence of activated drinking-water treatment waste on binary cement-based composite behavior: Characterization and properties. Composites Part B: Engineering, 2014, 60, 14-20.	12.0	34
66	Investigating the possible usage of elephant grass ash to manufacture the eco-friendly binary cements. Journal of Cleaner Production, 2016, 116, 236-243.	9.3	34
67	Fired clay-based construction and demolition waste as pozzolanic addition in cements. Design of new eco-efficient cements. Journal of Cleaner Production, 2020, 265, 121610.	9.3	34
68	Influence of Activation Temperature on Reaction Kinetics in Recycled Clay Wasteâ€“Calcium Hydroxide Systems. Journal of the American Ceramic Society, 2008, 91, 4044-4051.	3.8	33
69	Characterization of Algerian reservoir sludges for use as active additions in cement: New pozzolans for eco-cement manufacture. Construction and Building Materials, 2013, 40, 275-279.	7.2	33
70	Durability of Blended Cement Pastes Containing Ceramic Waste as a Pozzolanic Addition. Journal of the American Ceramic Society, 2014, 97, 1543-1551.	3.8	33
71	INFLUENCE OF INTERFACIAL TRANSITION ZONE ON ENGINEERING PROPERTIES OF THE CONCRETE MANUFACTURED WITH RECYCLED CERAMIC AGGREGATE. Journal of Civil Engineering and Management, 2014, 21, 83-93.	3.5	32
72	Influence of metastable hydrated phases on the pore size distribution and degree of hydration of MK-blended cements cured at 60 Â°C. Cement and Concrete Research, 2005, 35, 1292-1298.	11.0	31

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73	Mineral phases formation on the pozzolan/lime/water system. Applied Clay Science, 2009, 43, 331-335.	5.2	31
74	Study on the pozzolanic properties of a natural Cuban zeolitic rock by conductometric method: Kinetic parameters. Construction and Building Materials, 2011, 25, 644-650.	7.2	31
75	Sodium chloride effect on durability of ternary blended cement. Microstructural characterization and strength. Composites Part B: Engineering, 2013, 54, 163-168.	12.0	31
76	Ãrido siderÃºrgico en hormigones: proceso de envejecimiento y su efecto en compuestos potencialmente expansivos. Materiales De Construccion, 2010, 60, 33-46.	0.7	31
77	Determination of specific surface area by the laser diffraction technique. Comparison with the blaine permeability method. Cement and Concrete Research, 1991, 21, 709-717.	11.0	30
78	Total and soluble chromium, nickel and cobalt content in the main materials used in the manufacturing of Spanish commercial cements. Cement and Concrete Research, 2002, 32, 435-440.	11.0	30
79	Chemical and mineral transformations that occur in mine waste and washery rejects during pre-utilization calcination. International Journal of Coal Geology, 2014, 132, 123-130.	5.0	30
80	Leaching in concretes containing recycled ceramic aggregate from the sanitary ware industry. Journal of Cleaner Production, 2014, 66, 85-91.	9.3	30
81	Mineralogical study of calcined coal waste in a pozzolan/Ca(OH)2 system. Applied Clay Science, 2015, 108, 45-54.	5.2	30
82	Novel Use of Kaolin Wastes in Blended Cements. Journal of the American Ceramic Society, 2009, 92, 2443-2446.	3.8	29
83	Effect of ternary cements containing thermally activated paper sludge and fly ash on the texture of Câ€“Sâ€“H gel. Construction and Building Materials, 2012, 30, 381-388.	7.2	29
84	Aging and durability of ternary cements containing fly ash and activated paper sludge. Construction and Building Materials, 2014, 52, 253-260.	7.2	29
85	Mineralogy and Microstructure of Hydrated Phases During the Pozzolanic Reaction in the Sanitary Ware Waste/Ca(<scp>OH</scp>)₂ System. Journal of the American Ceramic Society, 2016, 99, 340-348.	3.8	29
86	Influence of calcining temperature on the activation of sugar-cane bagasse: kinetic parameters. Advances in Cement Research, 2007, 19, 109-115.	1.6	28
87	The influence of thermal activation of art paper sludge on the technical properties of blended Portland cements. Cement and Concrete Composites, 2013, 37, 136-142.	10.7	28
88	Statistical downscaling of climate impact indices: testing the direct approach. Climatic Change, 2014, 127, 547-560.	3.6	28
89	Effect of activation conditions of a kaolinite based waste on rheology of blended cement pastes. Cement and Concrete Research, 2009, 39, 843-848.	11.0	27
90	Evolution of the pozzolanic activity of a thermally treated zeolite. Journal of Materials Science, 2013, 48, 3213-3224.	3.7	27

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91	Evolution of mineralogical phases produced during the pozzolanic reaction of different metakaolinite by-products: Influence of the activation process. Applied Clay Science, 2012, 56, 48-52.	5.2	26
92	Reuse of coal mining waste to lengthen the service life of cementitious matrices. Cement and Concrete Composites, 2019, 99, 72-79.	10.7	26
93	Contribution of toxic elements: Hexavalent chromium in materials used in the manufacture of cement. Cement and Concrete Research, 1994, 24, 533-541.	11.0	25
94	Advances on the development of ternary cements elaborated with biomass ashes coming from different activation process. Construction and Building Materials, 2017, 136, 73-80.	7.2	24
95	Evaluation of chloride transport in blended cement mortars containing coal mining waste. Construction and Building Materials, 2018, 190, 200-210.	7.2	24
96	Micro-Raman study of stable and metastable phases in metakaolin/Ca(OH)2 system cured at 60Â°C. Applied Clay Science, 2011, 51, 283-286.	5.2	23
97	Quantitative correlations among textural characteristics of Câ€“Sâ€“H gel and mechanical properties: Case of ternary Portland cements containing activated paper sludge and fly ash. Cement and Concrete Composites, 2012, 34, 911-916.	10.7	23
98	Mineralogical Evolution of Kaolinâ€Based Drinking Water Treatment Waste for Use as Pozzolanic Material. The Effect of Activation Temperature. Journal of the American Ceramic Society, 2013, 96, 3188-3195.	3.8	23
99	Use of ceramic industry milling and glazing waste as an active addition in cement. Journal of the American Ceramic Society, 2018, 101, 2028-2037.	3.8	23
100	Study of hydrated phases present in calcined paper sludge (metakaolinite)/saturated CaO dissolution system cured at 40Â°C and 28 days of reaction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 3936-3941.	5.6	22
101	The Influence of Slate Waste Activation Conditions on Mineralogical Changes and Pozzolanic Behavior. Journal of the American Ceramic Society, 2013, 96, 2276-2282.	3.8	22
102	Evolution of Mineralogical Phases by ²⁷<scp><scp>Al</scp></scp> and ²⁹<scp><scp>Si</scp> NMR</scp> in <scp>MK</scp>â€<scp><scp>Ca</scp></scp>(<scp><scp>OH</scp></scp>)₂ System Cured at 60Â°C. Journal of the American Ceramic Society, 2013, 96, 2306-2310.	3.8	22
103	Scientific and technical aspects of blended cement matrices containing activated slate wastes. Cement and Concrete Composites, 2014, 48, 19-25.	10.7	22
104	The Transformation of Coal-Mining Waste Minerals in the Pozzolanic Reactions of Cements. Minerals (Basel, Switzerland), 2016, 6, 64.	2.0	22
105	The Influence of Activated Coal Mining Wastes on the Mineralogy of Blended Cement Pastes. Journal of the American Ceramic Society, 2016, 99, 300-307.	3.8	22
106	Pozzolanic Characterization of Cuban Bamboo Leaf Ash: Calcining Temperature and Kinetic Parameters. Waste and Biomass Valorization, 2018, 9, 691-699.	3.4	22
107	Water transport in binary eco-cements containing coal mining waste. Cement and Concrete Composites, 2019, 104, 103373.	10.7	22
108	Multi-Technique Characterization of a Fine Fraction of CDW and Assessment of Reactivity in a CDW/Lime System. Minerals (Basel, Switzerland), 2020, 10, 590.	2.0	22

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109	Influence of freezing test methods, composition and microstructure on frost durability assessment of clay roofing tiles. Construction and Building Materials, 2011, 25, 2888-2897.	7.2	21
110	Freeze-thaw effect on the durability of binary cements containing activated coal-mining waste. Construction and Building Materials, 2018, 190, 140-149.	7.2	21
111	Pozzolanic activity and alkaline reactivity of a mordenite-rich tuff. Microporous and Mesoporous Materials, 2009, 126, 125-132.	4.4	20
112	Mineral phases in an activated kaolinitic waste blended cement system. Applied Clay Science, 2010, 50, 137-142.	5.2	20
113	The effect of binary pozzolan mix on the mineralogical changes in the ternary activated paper sludgeâ€“fly ashâ€“Ca(OH)2 system. Construction and Building Materials, 2013, 38, 48-53.	7.2	20
114	Effect of a high content in activated carbon waste on low clinker cement microstructure and properties. Construction and Building Materials, 2018, 184, 11-19.	7.2	20
115	Influence of activation temperature of kaolinite-based clay wastes on pozzolanic activity and kinetic parameters. Advances in Cement Research, 2010, 22, 135-142.	1.6	18
116	Pozzolanic behaviour of a bagasse ash from the boiler of a Cuban sugar factory. Advances in Cement Research, 2013, 25, 136-142.	1.6	18
117	Influence of Activated Art Paper Sludgeâ€“Lime Ratio on Hydration Kinetics and Mechanical Behavior in Mixtures Cured at 20Â°C. Journal of the American Ceramic Society, 2009, 92, 3014-3021.	3.8	17
118	Development of blended cement mortars with acoustic properties using petroleum coke. Construction and Building Materials, 2011, 25, 1086-1092.	7.2	16
119	Decalcification of activated paper sludge â€“ Fly ash-Portland cement blended pastes in pure water. Cement and Concrete Composites, 2013, 40, 1-6.	10.7	16
120	From coal-mining waste to construction material: a study of its mineral phases. Environmental Earth Sciences, 2016, 75, 1.	2.7	16
121	Sodium sulphate effect on the mineralogy of ternary blended cements elaborated with activated paper sludge and fly ash. Construction and Building Materials, 2014, 54, 313-319.	7.2	15
122	Random ionic mobility on blended cements exposed to aggressive environments. Journal of Hazardous Materials, 2009, 168, 1602-1608.	12.4	14
123	Effects of calcination temperature and the addition of ZnO on coal waste activation: A mineralogical and morphological evolution. Applied Clay Science, 2017, 150, 1-9.	5.2	14
124	Determination and quantification of total chromium and water soluble chromium contents in commercial cements. Cement and Concrete Research, 1995, 25, 433-439.	11.0	13
125	Mechanical expectations of a high performance concrete based on a polymer binder and reinforced with non-metallic rebars. Construction and Building Materials, 2008, 22, 2031-2041.	7.2	13
126	Lower Temperature Activation for Kaolinite-Based Clay Waste: Evaluation of Hydrated Phases During the Pozzolanic Reaction. Journal of the American Ceramic Society, 2011, 94, 1224-1229.	3.8	13

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127	Use of clay-based construction and demolition waste as additions in the design of new low and very low heat of hydration cements. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	13
128	Eco-efficient cement based on activated coal washing rejects with low content of kaolinite. Construction and Building Materials, 2021, 274, 122118.	7.2	13
129	Recycling petroleum coke in blended cement mortar to produce lightweight material for Impact Noise Reduction. Cement and Concrete Composites, 2012, 34, 1194-1201.	10.7	12
130	Exploring sulphate resistance of coal mining waste blended cements through experiments and thermodynamic modelling. Cement and Concrete Composites, 2021, 121, 104086.	10.7	11
131	Propiedades de la escoria de SiMn como material puzolanico en la fabricaciÃ³n de cementos portland. Materiales De Construccion, 2005, 55, 53-62.	0.7	11
132	Coal Mining Waste as a Future Eco-Efficient Supplementary Cementing Material: Scientific Aspects. Recycling, 2016, 1, 232-241.	5.0	10
133	New developments in low clinker cement paste mineralogy. Applied Clay Science, 2018, 166, 94-101.	5.2	10
134	Durability and chromatic behavior in cement pastes containing ceramic industry milling and glazing byâ€products. Journal of the American Ceramic Society, 2019, 102, 1971-1981.	3.8	9
135	Decay of pavement mortar due to thaumasite formation. Journal of Chemical Technology and Biotechnology, 2009, 84, 320-325.	3.2	8
136	Ion Mobilisation and Transport Through Cement Mortars Blended With Thermally Activated Paper Sludge in Natural Climatic Conditions. Water, Air, and Soil Pollution, 2009, 203, 39-52.	2.4	8
137	Influence of thermally activated paper sludge on the behaviour of blended cements subjected to saline and non-saline environments. Environmental Science and Pollution Research, 2009, 16, 274-277.	5.3	8
138	Recycling of Waste Paper Sludge in Cements: Characterization and Behavior of New Eco-Efficient Matrices. , 0, , .		8
139	Scientific and technical studies on eco-efficient binary cements produced with thermally activated ichu grass: Behaviour and properties. Cement and Concrete Composites, 2020, 111, 103613.	10.7	8
140	Progress in the influence of recycled construction and demolition mineral-based blends on the physicalâ€“mechanical behaviour of ternary cementitious matrices. Construction and Building Materials, 2022, 344, 128169.	7.2	8
141	Concrete/Glass Construction and Demolition Waste (CDW) Synergies in Ternary Eco-Cement-Paste Mineralogy. Materials, 2022, 15, 4661.	2.9	7
142	Fly Ash and Paper Sludge on the Evolution of Ternary Blended Cements: Mineralogy and Hydrated Phases. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	6
143	Influence of ZnO on the activation of kaolinite-based coal waste: Pozzolanic activity and mineralogy in the pozzolan/lime system. Applied Clay Science, 2018, 156, 202-212.	5.2	6
144	Pozzolanic Reaction of a Biomass Waste as Mineral Addition to Cement Based Materials: Studies by Nuclear Magnetic Resonance (NMR). International Journal of Concrete Structures and Materials, 2019, 13, .	3.2	6

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145	Sulfate Resistance in Cements Bearing Ornamental Granite Industry Sludge. Materials, 2020, 13, 4081.	2.9	6
146	Reactivity of Binary Construction and Demolition Waste Mix as Supplementary Cementitious Materials. Materials, 2021, 14, 6481.	2.9	6
147	Effect of sea water on calcium effective diffusion of ternary cement. Advances in Cement Research, 2014, 26, 125-136.	1.6	5
148	Sulfate Resistance in OPC and SRPC Containing Calcined Paper Sludge Waste: Ettringite or Thaumasite Formation. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	5
149	Monitoring the dynamics of Portland cement hydration through photoluminescence and other correlated spectroscopy techniques. Construction and Building Materials, 2020, 252, 119073.	7.2	5
150	Durability of eco-efficient binary cement mortars based on ichu ash: Effect on carbonation and chloride resistance. Cement and Concrete Composites, 2022, 131, 104608.	10.7	5
151	New Construction Materials: Calcined Paper Sludges as Active Additions. Materials Science Forum, 2010, 636-637, 1222-1227.	0.3	4
152	Ca/Si and Si/Al Ratios of Metakaolinite-Based Wastes: Their Influence on Mineralogy and Mechanical Strengths. Applied Sciences (Switzerland), 2018, 8, 480.	2.5	4
153	Carbonation-Induced Mineralogical Changes in Coal Mining Waste Blended Cement Pastes and Their Influence on Mechanical and Microporosity Properties. Minerals (Basel, Switzerland), 2018, 8, 169.	2.0	4
154	Mineral phases in metakaolin-portlandite pastes cured 15â€¯years at 60â€Â°C. New data for scientific advancement. Applied Clay Science, 2020, 184, 105368.	5.2	4
155	Quantitative Comparison of Binary Mix of Agro-Industrial Pozzolanic Additions for Elaborating Ternary Cements: Kinetic Parameters. Materials, 2021, 14, 2944.	2.9	4
156	Aprovechamiento de un residuo del carbÃ³n para reducciÃ³n del impacto ambiental de la minerÃa del carbÃ³n en Colombia: estudio del potencial de uso en la industria del cemento. Revista CINTEX, 2018, 23, 95-102.	0.2	4
157	Changes to the Triaxial Composition of the Hydrated Phases (<scp><scp>CaO/Al₂O₃/SiO₂</scp></scp>) in the Metakaolin/Lime System. Journal of the American Ceramic Society, 2012, 95, 1118-1122.	3.8	3
158	Hot water treatment effect in the elephant grass ashes calcinated at different temperatures. Revista Materia, 2018, 23, .	0.2	3
159	Influencia de la activaciÃ³n de un residuo arcilloso de la industria papelera en el comportamiento de matrices de cemento. Materiales De Construccion, 2008, 58, .	0.7	3
160	Efecto de la adiciÃ³n de lodos de papel activados tÃ©rmicamente en las propiedades mecÃ¡nicas y de porosidad de pastas de cemento. Materiales De Construccion, 2009, 59, 41-52.	0.7	3
161	Durability of Construction and Demolition Waste-Bearing Ternary Eco-Cements. Materials, 2022, 15, 2921.	2.9	3
162	Fly ash/paper sludge as constituents of cements: hydration phases. Journal of Environmental Engineering and Science, 2015, 10, 46-52.	0.8	2

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163	Sulfate Resistance in Cements Bearing Bottom Ash from Biomass-Fired Electric Power Plants. Applied Sciences (Switzerland), 2020, 10, 8982.	2.5	2
164	Cements based on kaolinite waste. Advances in Geosciences, 0, 45, 133-138.	12.0	2
165	A reply to the discussion by Dr. Bensted of the paper â€œdetermination and quantification of total chromium and water soluble chromium content in commercial cementsâ€. Cement and Concrete Research, 1996, 26, 331-333.	11.0	1
166	Forced Aging and Ionic Mobility of Ternary Cements Exposed to Aggressive Saline Marine Environments and Cryoclastic Processes. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	1
167	Estudio de las variaciones mineralÃ³gicas y morfolÃ³gicas en cenizas volantes provocadas por fenÃ³menos de lixiviaciÃ³n. Materiales De Construccion, 1999, 49, 43-58.	0.7	1
168	The White Cement Behaviour with Different Materials Addition Submitted to UltraViolet Light Exposure. Materials Science Forum, 2010, 636-637, 1228-1233.	0.3	0
169	EvoluciÃ³n y cuantificaciÃ³n de los sensibilizadores mÃ¡s importantes en los cementos portland comerciales. Materiales De Construccion, 2002, 52, 57-64.	0.7	0
170	ReparaciÃ³n de revocos de morteros. Nuevos documentos normativos de AENOR. Informes De La Construccion, 2012, 64, 141-151.	0.3	0