Maria Isabel SÃ¡nchez de Rojas

List of Publications by Year
in descending order

75 papers	3,413 citations	147801 31 h-index	144013 57 g-index
75 all docs	75 docs citations	75 times ranked	2259 citing authors

#	Article	IF	Citations
1	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
2	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
3	Reuse of sanitary ceramic wastes as coarse aggregate in eco-efficient concretes. Cement and Concrete Composites, 2012, 34, 48-54.	10.7	177
4	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
5	Freeze-thaw durability of recycled concrete containing ceramic aggregate. Journal of Cleaner Production, 2013, 40, 151-160.	9.3	137
6	The pozzolanic properties of paper sludge waste. Construction and Building Materials, 2008, 22, 1484-1490.	7.2	125
7	Effect of activated coal mining wastes on the properties of blended cement. Cement and Concrete Composites, 2012, 34, 678-683.	10.7	117
8	Chemical assessment of the electric arc furnace slag as construction material: Expansive compounds. Cement and Concrete Research, 2004, 34, 1881-1888.	11.0	107
9	Characterization and properties of blended cement matrices containing activated bamboo leaf wastes. Cement and Concrete Composites, 2012, 34, 1019-1023.	10.7	97
10	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
11	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
12	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
13	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
14	Assessment of Construction and Demolition Waste plant management in Spain: in pursuit of sustainability and eco-efficiency. Journal of Cleaner Production, 2015, 90, 16-24.	9.3	85
15	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
16	Morphology and Properties in Blended Cements with Ceramic Wastes as a Pozzolanic Material. Journal of the American Ceramic Society, 2006, 89, 3701-3705.	3.8	80
17	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
18	Properties of recycled ceramic aggregate concretes: Water resistance. Cement and Concrete Composites, 2013, 40, 21-29.	10.7	73

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19	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
20	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
21	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
22	Gas permeability in concrete containing recycled ceramic sanitary ware aggregate. Construction and Building Materials, 2012, 37, 597-605.	7.2	59
23	Use of recycled copper slag for blended cements. Journal of Chemical Technology and Biotechnology, 2008, 83, 209-217.	3.2	55
24	Influence of the microsilica state on pozzolanic reaction rate. Cement and Concrete Research, 1999, 29, 945-949.	11.0	54
25	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
26	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
27	Properties and Performances of Concrete Tiles Containing Waste Fired Clay Materials. Journal of the American Ceramic Society, 2007, 90, 3559-3565.	3.8	35
28	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
29	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
30	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
31	An evaluation of different kinetic models for determining the kinetic coefficients in sugar cane strawâ€“clay ash/lime system. Advances in Cement Research, 2006, 18, 17-26.	1.6	32
32	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
33	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
34	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
35	Leaching in concretes containing recycled ceramic aggregate from the sanitary ware industry. Journal of Cleaner Production, 2014, 66, 85-91.	9.3	30
36	Novel Use of Kaolin Wastes in Blended Cements. Journal of the American Ceramic Society, 2009, 92, 2443-2446.	3.8	29

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37	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
38	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
39	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
40	Characterisation and valorisation of biomass waste as a possible addition in eco-cement design. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	3.1	27
41	CaracterizaciÃ³n de los hormigones realizados con Ã¡ridos reciclados procedentes de la industria de cerÃ¡mica sanitaria. Materiales De Construccion, 2011, 61, 533-546.	0.7	26
42	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
43	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
44	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
45	Scientific and technical aspects of blended cement matrices containing activated slate wastes. Cement and Concrete Composites, 2014, 48, 19-25.	10.7	22
46	New additions for eco-efficient cement design. Impact on calorimetric behaviour and comparison of test methods. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4595-4607.	3.1	22
47	InvestigaciÃ³n sobre la actividad puzolÃ¡nica de materiales de desecho procedentes de arcilla cocida. Materiales De Construccion, 2001, 51, 45-52.	0.7	22
48	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
49	Evaluation of Mechanical Characteristics of Cement Mortar with Fine Recycled Concrete Aggregates (FRCA). Sustainability, 2021, 13, 414.	3.2	19
50	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
51	Development of blended cement mortars with acoustic properties using petroleum coke. Construction and Building Materials, 2011, 25, 1086-1092.	7.2	16
52	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
53	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
54	Exploring sulphate resistance of coal mining waste blended cements through experiments and thermodynamic modelling. Cement and Concrete Composites, 2021, 121, 104086.	10.7	11

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55	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
56	Influencia del metacaolÃ¬n en la estructura porosa de matrices a base de mc/cemento. Materiales De Construccion, 2000, 50, 57-67.	0.7	10
57	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
58	Viabilidad de utilizaciÃ³n de materiales de desecho procedentes de productos cerÃ¡micos en prefabricados de hormigÃ³n. Materiales De Construccion, 2001, 51, 149-161.	0.7	9
59	Decay of pavement mortar due to thaumasite formation. Journal of Chemical Technology and Biotechnology, 2009, 84, 320-325.	3.2	8
60	Using Ceramic Materials in Ecoefficient Concrete and Precast Concrete Products. , 2011, , .		8
61	Sulfate Resistance in Cements Bearing Ornamental Granite Industry Sludge. Materials, 2020, 13, 4081.	2.9	6
62	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
63	Granulometric analysis of fly ashes by laser diffraction. Advances in Cement Research, 1990, 3, 47-54.	1.6	4
64	New Construction Materials: Calcined Paper Sludges as Active Additions. Materials Science Forum, 2010, 636-637, 1222-1227.	0.3	4
65	Quantitative Comparison of Binary Mix of Agro-Industrial Pozzolanic Additions for Elaborating Ternary Cements: Kinetic Parameters. Materials, 2021, 14, 2944.	2.9	4
66	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
67	Recycled Precast Concrete Kerbs and Paving Blocks, a Technically Viable Option for Footways. Materials, 2021, 14, 7007.	2.9	4
68	Effect of Granite Waste on Binary Cement Hydration and Paste Performance: Statistical Analysis. ACI Materials Journal, 2019, 116, .	0.2	3
69	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
70	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
71	Sulfate Resistance in Cements Bearing Bottom Ash from Biomass-Fired Electric Power Plants. Applied Sciences (Switzerland), 2020, 10, 8982.	2.5	2
72	Aspectos constructivos del aplacado de piedra artificial (arcosita â€œButsemsâ€) de la fachada sur del Palacio del Senado de EspaÃ±a. Materiales De Construccion, 2012, 62, 309-318.	0.7	2

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73	Los materiales utilizados en la ejecuciÃ³n de la bÃ³veda encamonada del SalÃ³n de Plenos del Senado de EspaÃ±a. Materiales De Construccion, 2012, 62, 299-307.	0.7	2
74	Durability of Ternary Cements Based on New Supplementary Cementitious Materials from Industrial Waste. Applied Sciences (Switzerland), 2021, 11, 5977.	2.5	1
75	The White Cement Behaviour with Different Materials Addition Submitted to UltraViolet Light Exposure. Materials Science Forum, 2010, 636-637, 1228-1233.	0.3	0