Sagrario Martinez-Ramirez

List of Publications by Year
in descending order

117	4,073	156536	150775
papers	citations	32 h-index	59 g-index

124	124	124	4011
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New scientific evidence of the effect of high temperatures and long curing times on MK-blended cement paste mineralogy. Cement and Concrete Research, 2022, 152, 106657.	4.6	13
2	Effect of alkoxysilane on early age hydration in portland cement pastes. Journal of Building Engineering, 2022, 50, 104127.	1.6	0
3	Evolution and Evaluation of Aesthetic Properties in Weathering Steel Accelerated Patinas: The Role of Lepidocrocite. Metals, 2022, 12, 977.	1.0	0
4	Concrete/Glass Construction and Demolition Waste (CDW) Synergies in Ternary Eco-Cement-Paste Mineralogy. Materials, 2022, 15, 4661.	1.3	7
5	CO2 adsorption on calcium silicate hydrate gel synthesized by double decomposition method. Journal of Thermal Analysis and Calorimetry, 2021, 143, 4331-4339.	2.0	11
6	Behaviour and Properties of Eco-Cement Pastes Elaborated with Recycled Concrete Powder from Construction and Demolition Wastes. Materials, 2021, 14, 1299.	1.3	38
7	RILEM TC 277-LHS report: a review on the mechanisms of setting and hardening of lime-based binding systems. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	1.3	36
8	Magneto-Primed Triticale Seeds Studied by Micro-Raman Spectra. Plants, 2021, 10, 1083.	1.6	0
9	Characterization of medieval-like glass alteration layers by laser spectroscopy and nonlinear optical microscopy. European Physical Journal Plus, 2021, 136, 1.	1.2	7
10	Reactivity in cement pastes bearing fine fraction concrete and glass from construction and demolition waste: Microstructural analysis of viability. Cement and Concrete Research, 2021, 148, 106531.	4.6	33
11	Reactivity of Binary Construction and Demolition Waste Mix as Supplementary Cementitious Materials. Materials, 2021, 14, 6481.	1.3	6
12	Physical and Chemical Characterisation of the Pigments of a 17th-Century Mural Painting in the Spanish Caribbean. Materials, 2021, 14, 6866.	1.3	3
13	A comparison between experimental and theoretical Ca/Si ratios in Câ€“Sâ€“H and Câ€“S(A)â€“H gels. Journal of Sol-Gel Science and Technology, 2020, 94, 11-21.	1.1	8
14	Mineral phases in metakaolin-portlandite pastes cured 15â€¯years at 60â€¯Â°C. New data for scientific advancement. Applied Clay Science, 2020, 184, 105368.	2.6	4
15	Multi-Technique Characterization of a Fine Fraction of CDW and Assessment of Reactivity in a CDW/Lime System. Minerals (Basel, Switzerland), 2020, 10, 590.	0.8	22
16	Study of Câ€“Sâ€“H dehydration due to temperature increase during fires. Journal of Raman Spectroscopy, 2020, 51, 2318-2327.	1.2	1
17	Effect of Sulfuric Acid Patination Treatment on Atmospheric Corrosion of Weathering Steel. Metals, 2020, 10, 591.	1.0	4
18	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, .	1.4	6

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19	New approach to nanolime synthesis at ambient temperature. SN Applied Sciences, 2019, 1, 1.	1.5	7
20	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.	2.6	6
21	In situ chemical modification of Câ€“Sâ€“H induced by CO2 laser irradiation. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	0
22	The deterioration and environmental impact of binary cements containing thermally activated coal mining waste due to calcium leaching. Journal of Cleaner Production, 2018, 183, 887-897.	4.6	38
23	Efficiency and durability of a self-cleaning coating on concrete and stones under both natural and artificial ageing trials. Applied Surface Science, 2018, 433, 312-320.	3.1	56
24	Ca/Si and Si/Al Ratios of Metakaolinite-Based Wastes: Their Influence on Mineralogy and Mechanical Strengths. Applied Sciences (Switzerland), 2018, 8, 480.	1.3	4
25	New developments in low clinker cement paste mineralogy. Applied Clay Science, 2018, 166, 94-101.	2.6	10
26	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.	0.8	4
27	Sacrificial mortars for surface desalination. Construction and Building Materials, 2018, 173, 452-460.	3.2	15
28	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.	2.6	14
29	Durability of anti-graffiti coatings on stone: natural vs accelerated weathering. PLoS ONE, 2017, 12, e0172347.	1.1	22
30	Coal Mining Waste as a Future Eco-Efficient Supplementary Cementing Material: Scientific Aspects. Recycling, 2016, 1, 232-241.	2.3	10
31	Palladium Nanoparticles in Water: A Reusable Catalytic System for the Cycloetherification or Benzannulation of Î±â€Allenols. Advanced Synthesis and Catalysis, 2016, 358, 2000-2006.	2.1	15
32	Electrochemical Fingerprint of Archeological Lead Silicate Glasses Using the Voltammetry of Microparticles Approach. Journal of the American Ceramic Society, 2016, 99, 3915-3923.	1.9	14
33	The Influence of Activated Coal Mining Wastes on the Mineralogy of Blended Cement Pastes. Journal of the American Ceramic Society, 2016, 99, 300-307.	1.9	22
34	In-situ reaction of the very early hydration of C3A-gypsum-sucrose system by Micro-Raman spectroscopy. Cement and Concrete Composites, 2016, 73, 251-256.	4.6	13
35	Sorption of indium (III) onto carbon nanotubes. Ecotoxicology and Environmental Safety, 2016, 130, 81-86.	2.9	51
36	Activated carbon as an alternative fuel. Effect of carbon ash on cement clinkerization. Journal of Cleaner Production, 2016, 119, 50-58.	4.6	14

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37	Microstructural and mechanical properties study of the curing process of self-compacting concrete. Materials and Design, 2016, 94, 479-486.	3.3	10
38	The effect of curing relative humidity on the microstructure of self-compacting concrete. Construction and Building Materials, 2016, 104, 154-159.	3.2	14
39	Quantitative analysis of pure triclinic tricalcium silicate and Câ€“Sâ€“H gels by 29Si NMR longitudinal relaxation time. Construction and Building Materials, 2016, 107, 52-57.	3.2	11
40	Time- and space-resolved spectroscopic characterization of laser-induced swine muscle tissue plasma. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 111, 92-101.	1.5	21
41	Mineralogical study of calcined coal waste in a pozzolan/Ca(OH)2 system. Applied Clay Science, 2015, 108, 45-54.	2.6	30
42	A Raman spectroscopy study of steel corrosion products in activated fly ash mortar containing chlorides. Construction and Building Materials, 2015, 96, 383-390.	3.2	37
43	Calorimetric study of the early stages of the nanosilica - tricalcium silicate hydration. Effect of temperature. Materiales De Construccion, 2015, 65, e070.	0.2	5
44	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.	1.9	30
45	Effect of temperature on Câ€“Sâ€“H gel nanostructure in white cement. Materials and Structures/Materiaux Et Constructions, 2014, 47, 1867-1878.	1.3	12
46	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.	3.2	47
47	FTIR study of the effect of temperature and nanosilica on the nano structure of Câ€“Sâ€“H gel formed by hydrating tricalcium silicate. Construction and Building Materials, 2014, 52, 314-323.	3.2	145
48	Effect of the addition of nanosilica on white cement hydration at 25Â°C. MATEC Web of Conferences, 2014, 11, 01006.	0.1	1
49	Assessment of the physico-mechanical behaviour of gypsum-lime repair mortars as a function of curing time. Environmental Earth Sciences, 2013, 70, 1605-1618.	1.3	16
50	The effect of using thermally dried sewage sludge as an alternativeÂfuel on Portland cement clinker production. Journal of Cleaner Production, 2013, 52, 94-102.	4.6	110
51	Hydration of calcium aluminates and calcium sulfoaluminate studied by Raman spectroscopy. Cement and Concrete Research, 2013, 47, 43-50.	4.6	120
52	Combined Effect of Amorphous Nanosilica and Temperature on White Portland Cement Hydration. Industrial & Engineering Chemistry Research, 2013, 52, 11866-11874.	1.8	11
53	Raman Spectroscopy of Anhydrous and Hydrated Calcium Aluminates and Sulfoaluminates. Journal of the American Ceramic Society, 2013, 96, 3589-3595.	1.9	67
54	Effect of Temperature on <scp><scp>C</scp></scp>₃<scp><scp>S</scp></scp> and <scp><scp>C</scp></scp>₃<scp><scp>S</scp></scp> + Nanosilica Hydration and <scp><scp>C</scp></scp>â€“<scp><scp>S</scp></scp>â€“<scp><scp>H</scp></scp> Structure. Journal of the American Ceramic Society, 2013, 96, 957-965.	1.9	37

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55	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.	1.9	22
56	CW CO2 -Laser-Induced Formation of Fulgurite on Lime-Pozzolan Mortar. Journal of the American Ceramic Society, 2013, 96, 2824-2830.	1.9	5
57	Corrosion rate and corrosion product characterisation using Raman spectroscopy for steel embedded in chloride polluted fly ash mortar. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 372-380.	0.8	32
58	Consolidation treatments for conservation of concrete sculptures. , 2013, , 313-316.		0
59	Structural characterization of a thirdâ€generation commercial cement superplasticizer by Raman spectroscopy and DFT calculations. Journal of Raman Spectroscopy, 2012, 43, 1623-1629.	1.2	5
60	Carbonation of ternary building cementing materials. Cement and Concrete Composites, 2012, 34, 1180-1186.	4.6	37
61	Role of organic admixtures on thaumasite precipitation. Cement and Concrete Research, 2012, 42, 994-1000.	4.6	11
62	Evaluation of a lime-mediated sewage sludge stabilisation process. Product characterisation and technological validation for its use in the cement industry. Waste Management, 2012, 32, 550-560.	3.7	33
63	The Use of Portable Raman Spectroscopy to Identify Conservation Treatments Applied to Heritage Stone. Spectroscopy Letters, 2012, 45, 146-150.	0.5	12
64	Carbonation of ternary cement systems. Construction and Building Materials, 2012, 27, 313-318.	3.2	31
65	CaracterizaciÃ³n de morteros mudÃ©jares de la iglesia de San Gil Abad (Zaragoza, EspaÃ±a): InvestigaciÃ³n de la tecnologÃa de fabricaciÃ³n de morteros histÃ³ricos de yeso. Materiales De Construccion, 2012, 62, 515-529.	0.2	10
66	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.	2.6	23
67	Surface dispersive energy determined with IGC-ID in anti-graffiti-coated building materials. Progress in Organic Coatings, 2011, 71, 207-212.	1.9	14
68	Evaluation of spray-dried sludge from drinking water treatment plants as a prime material for clinker manufacture. Cement and Concrete Composites, 2011, 33, 267-275.	4.6	51
69	Thaumasite formation in sugary solutions: Effect of temperature and sucrose concentration. Construction and Building Materials, 2011, 25, 21-29.	3.2	13
70	Influence of relative humidity on the carbonation of calcium hydroxide nanoparticles and the formation of calcium carbonate polymorphs. Powder Technology, 2011, 205, 263-269.	2.1	165
71	Effectiveness of antigraffiti treatments in connection with penetration depth determined by different techniques. Journal of Cultural Heritage, 2010, 11, 297-303.	1.5	27
72	Protective performances of two anti-graffiti treatments towards sulfite and sulfate formation in SO2 polluted model environment. Applied Surface Science, 2010, 257, 852-856.	3.1	18

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73	Interaction between two anti-graffiti treatments and cement mortar (paste). Cement and Concrete Research, 2010, 40, 723-730.	4.6	24
74	Surface water repellent-mediated change in lime mortar colour and gloss. Construction and Building Materials, 2010, 24, 2188-2193.	3.2	16
75	Use of microâ€Raman spectroscopy to study reaction kinetics in blended white cement pastes containing metakaolin. Journal of Raman Spectroscopy, 2009, 40, 2063-2068.	1.2	39
76	Effect of concentration, particle size and the presence of protective coatings in DRIFT spectra of building materials. Vibrational Spectroscopy, 2009, 50, 312-318.	1.2	5
77	The effect of curing temperature on white cement hydration. Construction and Building Materials, 2009, 23, 1344-1348.	3.2	42
78	Fases termodinÃ¡micamente estables en el sistema cerrado CaO-SiO₂-Al₂O₃-CaSO₄-H₂O a 25 Ã‚ºC. AplicaciÃ³n a sistemas cementantes. Materiales De Construccion, 2009, 59, 31-39.	0.2	6
79	Ceramic wastes as alternative raw materials for Portland cement clinker production. Cement and Concrete Composites, 2008, 30, 798-805.	4.6	185
80	ProtecciÃ³n de piedras naturales con un <i>antigraffiti</i> fluorado. Materiales De Construccion, 2008, 58, .	0.2	7
81	Alkali activation of metakaolins: parameters affecting mechanical, structural and microstructural properties. Journal of Materials Science, 2007, 42, 2934-2943.	1.7	135
82	Pozzolanic reactivity of zeolitic rocks from two different Cuban deposits: Characterization of reaction products. Applied Clay Science, 2006, 32, 40-52.	2.6	45
83	Characterization and pozzolanicity of zeolitic rocks from two Cuban deposits. Applied Clay Science, 2006, 33, 149-159.	2.6	42
84	Evolution of ordinary Portland cement hydration with admixtures by spectroscopic techniques. Advances in Cement Research, 2006, 18, 111-117.	0.7	4
85	Effects of NO2 on oxidation mechanisms of atmospheric pollutant SO2 over Baumberger sandstone. Building and Environment, 2006, 41, 486-491.	3.0	23
86	Effect of cement C3A content, temperature and storage medium on thaumasite formation in carbonated mortars. Cement and Concrete Research, 2006, 36, 707-715.	4.6	45
87	Modelling of slaked limeâ€“metakaolin mortar engineering characteristics in terms of process variables. Cement and Concrete Composites, 2006, 28, 458-467.	4.6	49
88	Micro-Raman spectroscopy in white portland cement hydration: long-term study at room temperature. Journal of Raman Spectroscopy, 2006, 37, 555-561.	1.2	68
89	Polycarboxylate superplasticiser admixtures: effect on hydration, microstructure and rheological behaviour in cement pastes. Advances in Cement Research, 2005, 17, 77-89.	0.7	214
90	Role of alkalis of aggregate origin in the deterioration of CAC concrete. Cement and Concrete Research, 2005, 35, 1698-1704.	4.6	9

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91	Polycarboxylate superplasticiser admixtures: effect on hydration, microstructure and rheological behaviour in cement pastes. Advances in Cement Research, 2005, 17, 77-89.	0.7	14
92	Modificaciones inducidas por la adiciÃ³n de puzolanas naturales zeolÃ±ticas en las pastas de cemento. Materiales De Construccion, 2005, 55, 27-42.	0.2	3
93	Mineralogical study of salt crusts formed on historic building stones. Science of the Total Environment, 2003, 302, 247-251.	3.9	28
94	Micro-Raman spectroscopy applied to depth profiles of carbonates formed in lime mortar. Cement and Concrete Research, 2003, 33, 2063-2068.	4.6	137
95	Evolution of ettringite in presence of carbonate, and silicate ions. Cement and Concrete Composites, 2003, 25, 861-865.	4.6	58
96	Thaumasite formation due to atmospheric SO2â€“hydraulic mortar interaction. Cement and Concrete Composites, 2003, 25, 983-990.	4.6	8
97	Formation of thaumasite in carbonated mortars. Cement and Concrete Composites, 2003, 25, 991-996.	4.6	31
98	Quantitative analysis of mineralized white Portland clinkers: The structure of Fluorellestadite. Powder Diffraction, 2002, 17, 281-286.	0.4	33
99	Organic and inorganic concrete under SO2 pollutant exposure. Building and Environment, 2002, 37, 933-937.	3.0	8
100	Effect of different catalysts in SO2 oxidation over polymeric concrete. Building and Environment, 2002, 37, 1369-1371.	3.0	2
101	OPC hydration with highly alkaline solutions. Advances in Cement Research, 2001, 13, 123-129.	0.7	31
102	Microstructure studies on Portland cement pastes obtained in highly alkaline environments. Cement and Concrete Research, 2001, 31, 1581-1585.	4.6	35
103	FormaciÃ³n de taumasita en morteros hidrÃ¡ulicos mediante la deposiciÃ³n de SO₂ atmosfÃ©rico. Materiales De Construccion, 2001, 51, 109-125.	0.2	4
104	Alkali-activated fly ash/slag cements. Cement and Concrete Research, 2000, 30, 1625-1632.	4.6	705
105	New Directions: An `ozone-proofâ€™ building mortar identified. Atmospheric Environment, 2000, 34, 1507-1508.	1.9	1
106	Efecto de los contaminantes atmosfÃ©ricos en el deterioro de aislantes tÃ©rmicos. Materiales De Construccion, 2000, 50, 51-57.	0.2	0
107	Influence of SO2 deposition on cement mortar hydration. Cement and Concrete Research, 1999, 29, 107-111.	4.6	19
108	Degradation of lime-pozzolan mortar exposed to dry deposition of SO2 pollutant gas: Influence of curring temperature. Materials and Structures/Materiaux Et Constructions, 1999, 32, 377-382.	1.3	3

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109	Wet deposition studies of hydraulic mortars. Materials and Structures/Materiaux Et Constructions, 1999, 32, 606-610.	1.3	1
110	Effect of Dry Deposition of Pollutants on the Degradation of Lime Mortars with Sepiolite. Cement and Concrete Research, 1998, 28, 125-133.	4.6	19
111	Behaviour of Repair Lime Mortars by Wet Deposition Process. Cement and Concrete Research, 1998, 28, 221-229.	4.6	17
112	Deterioro de morteros de cemento producido por la "deposiciÃ³n" seca y hÃºmeda de contaminantes atmosfÃ©ricos. Materiales De Construccion, 1998, 48, 15-31.	0.2	9
113	Studies on degradation of lime mortars in atmospheric simulation chambers. Cement and Concrete Research, 1997, 27, 777-784.	4.6	40
114	Stability of sepiolite in neutral and alkaline media at room temperature. Clay Minerals, 1996, 31, 225-232.	0.2	14
115	Carbonation process and properties of a new lime mortar with added sepiolite. Cement and Concrete Research, 1995, 25, 39-50.	4.6	33
116	Stability of a Spanish Sepiolite in Neutral and Basic Media. Advanced Materials Research, 1994, 1-2, 587-592.	0.3	2
117	Infrared Spectroscopy in the Analysis of Building and Construction Materials. , 0, , .		106