

# Marta Palacios

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1983/publications.pdf>

Version: 2024-02-01

43  
papers

3,769  
citations

172386

29  
h-index

265120

42  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2539  
citing authors

#	ARTICLE	IF	CITATIONS
1	A model for the C-A-S-H gel formed in alkali-activated slag cements. Journal of the European Ceramic Society, 2011, 31, 2043-2056.	2.8	589
2	Effect of shrinkage-reducing admixtures on the properties of alkali-activated slag mortars and pastes. Cement and Concrete Research, 2007, 37, 691-702.	4.6	286
3	Effect of superplasticizer and shrinkage-reducing admixtures on alkali-activated slag pastes and mortars. Cement and Concrete Research, 2005, 35, 1358-1367.	4.6	251
4	Carbonation process of alkali-activated slag mortars. Journal of Materials Science, 2006, 41, 3071-3082.	1.7	246
5	Ceramic wastes as alternative raw materials for Portland cement clinker production. Cement and Concrete Composites, 2008, 30, 798-805.	4.6	185
6	Effect of Carbonation on Alkali-Activated Slag Paste. Journal of the American Ceramic Society, 2006, 89, 3211-3221.	1.9	180
7	Compatibility between superplasticizer admixtures and cements with mineral additions. Construction and Building Materials, 2012, 31, 300-309.	3.2	177
8	Alkali-activated cementitious materials: Alternative matrices for the immobilisation of hazardous wastes. Cement and Concrete Research, 2003, 33, 289-295.	4.6	169
9	Adsorption of superplasticizer admixtures on alkali-activated slag pastes. Cement and Concrete Research, 2009, 39, 670-677.	4.6	161
10	Understanding silicate hydration from quantitative analyses of hydrating tricalcium silicates. Nature Communications, 2016, 7, 10952.	5.8	155
11	Influence of aluminates on the hydration kinetics of tricalcium silicate. Cement and Concrete Research, 2017, 100, 245-262.	4.6	146
12	Compatibility between polycarboxylate-based admixtures and blended-cement pastes. Cement and Concrete Composites, 2013, 35, 151-162.	4.6	139
13	Metakaolin sand-blended-cement pastes: Rheology, hydration process and mechanical properties. Construction and Building Materials, 2010, 24, 791-802.	3.2	83
14	Influence of the alkaline solution and temperature on the rheology and reactivity of alkali-activated fly ash pastes. Cement and Concrete Composites, 2019, 95, 277-284.	4.6	74
15	Alkali-aggregate behaviour of alkali-activated slag mortars: Effect of aggregate type. Cement and Concrete Composites, 2009, 31, 277-284.	4.6	72
16	ICP-OES method for the characterization of cement pore solutions and their modification by polycarboxylate-based superplasticizers. Cement and Concrete Research, 2017, 91, 52-60.	4.6	72
17	Impact of sample preparation on the specific surface area of synthetic ettringite. Cement and Concrete Research, 2016, 86, 20-28.	4.6	71
18	Effect of PCs superplasticizers on the rheological properties and hydration process of slag-blended cement pastes. Journal of Materials Science, 2009, 44, 2714-2723.	1.7	68

#	ARTICLE	IF	CITATIONS
19	Early reactivity of sodium silicate-activated slag pastes and its impact on rheological properties. Cement and Concrete Research, 2021, 140, 106302.	4.6	66
20	Reliable specific surface area measurements on anhydrous cements. Cement and Concrete Research, 2015, 67, 286-291.	4.6	64
21	Quantitative study of hydration of C3S and C2S by thermal analysis. Journal of Thermal Analysis and Calorimetry, 2010, 102, 965-973.	2.0	57
22	Clinkers and cements obtained from raw mix containing ceramic waste as a raw material. Characterization, hydration and leaching studies. Cement and Concrete Composites, 2010, 32, 175-186.	4.6	52
23	Non-adsorbing polymers and yield stress of cement paste: Effect of depletion forces. Cement and Concrete Research, 2018, 111, 209-217.	4.6	51
24	Relating early hydration, specific surface and flow loss of cement pastes. Materials and Structures/Materiaux Et Constructions, 2019, 52, 1.	1.3	42
25	Copper-Activated DNA Photocleavage by a Pyridine-Linked Bis-Acridine Intercalator. Bioconjugate Chemistry, 2007, 18, 121-129.	1.8	41
26	Viscosity modifying agents: Key components of advanced cement-based materials with adapted rheology. Cement and Concrete Research, 2022, 152, 106646.	4.6	39
27	Interaction between polycarboxylate superplasticizers and non-calcined clays and calcined clays: A review. Cement and Concrete Research, 2022, 154, 106717.	4.6	38
28	New insights into the hydration of slag in alkaline media using a micro-reactor approach. Cement and Concrete Research, 2016, 79, 209-216.	4.6	33
29	Fuerzas de repulsión de aditivos superplastificantes en sistemas de escoria granulada de horno alto en medios alcalinos, desde medidas de AFM a propiedades reológicas. Materiales De Construccion, 2012, 62, 489-513.	0.2	31
30	Formulation of low clinker blended cements and concrete with enhanced fresh and hardened properties. Cement and Concrete Research, 2021, 150, 106605.	4.6	21
31	Effect of Polycarboxylate Ether Admixtures on Calcium Aluminate Cement Pastes. Part 1: Compatibility Studies. Industrial & Engineering Chemistry Research, 2013, 52, 17323-17329.	1.8	20
32	Performance of composites with metakaolin-blended cements. Journal of Thermal Analysis and Calorimetry, 2015, 119, 851-863.	2.0	19
33	Effect of Polycarboxylate Ether Admixtures on Calcium Aluminate Cement Pastes. Part 2: Hydration Studies. Industrial & Engineering Chemistry Research, 2013, 52, 17330-17340.	1.8	14
34	Polycarboxylate superplasticiser admixtures: effect on hydration, microstructure and rheological behaviour in cement pastes. Advances in Cement Research, 2005, 17, 77-89.	0.7	14
35	Caracterización textural y mecánica de geles C-S-H formados en la hidratación de muestras sintéticas T1-C <sub>3</sub> /S, ÅŽÅ²-C <sub>2</sub> /S y sus mezclas. Materiales De Construccion, 2011, 61, 169-183.	0.2	8
36	Influence of Accelerating Admixtures on the Reactivity of Synthetic Aluminosilicate Glasses. Materials, 2022, 15, 818.	1.3	8

#	ARTICLE	IF	CITATIONS
37	Rheology of Alkali-Activated Mortars: Influence of Particle Size and Nature of Aggregates. Minerals (Basel, Switzerland), 2020, 10, 726.	0.8	7
38	Synergy of T1-C3S and $\hat{I}^2$ -C2S Hydration Reactions. Journal of the American Ceramic Society, 2011, 94, 1265-1271.	1.9	5
39	Alkali-activated fly ash matrices for lead immobilisation: a comparison of different leaching tests. Advances in Cement Research, 2004, 16, 137-144.	0.7	5
40	Arena metacaol�nica. Material promotor como adici�n al cemento Portland. Materiales De Construcci�n, 2010, 60, 73-88.	0.2	4
41	Cementos petroleros con adici�n de escoria de horno alto. Caracter�sticas y propiedades. Materiales De Construcci�n, 2011, 61, 185-211.	0.2	4
42	Efecto del ZnO, $ZrO_2$ y $B_2O_3$ en el proceso de clinkerizaci�n. Parte I. Reacciones de clinkerizaci�n y composici�n de los cl�nkeres. Materiales De Construcci�n, 2008, 58, .	0.2	1
43	Efecto del ZnO, $ZrO_2$ y $B_2O_3$ en el proceso de clinkerizaci�n. Parte II. Metodolog�a de separaci�n de fases y distribuci�n en las fases del cl�nker. Materiales De Construcci�n, 2009, 59, 53-74.	0.2	1