Agnes Smith

List of Publications by Citations

121 papers	3,324 citations	31 h-index	54 g-index
126 ext. papers	3,714 ext. citations	4.9 avg, IF	4.94 L-index

#	Paper	IF	Citations
121	Influence of various chemical treatments on the composition and structure of hemp fibres. *Composites Part A: Applied Science and Manufacturing*, **2008**, 39, 514-522	8.4	380
120	Mechanical properties of hemp fibre reinforced cement: Influence of the fibre/matrix interaction. *Journal of the European Ceramic Society*, **2008**, 28, 183-192	6	218
119	Silica fume as porogent agent in geo-materials at low temperature. *Journal of the European Ceramic Society*, **2010**, 30, 1641-1648	6	168
118	In situ inorganic foams prepared from various clays at low temperature. *Applied Clay Science*, **2011**, 51, 15-22	5.2	130
117	Relation between solution chemistry and morphology of SnO2-based thin films deposited by a pyrosol process. *Thin Solid Films*, **1995**, 266, 20-30	2.2	102
116	Comparison of the thermal degradation of natural, alkali-treated and silane-treated hemp fibers under air and an inert atmosphere. *Journal of Applied Polymer Science*, **2009**, 112, 226-234	2.9	98
115	Application of ultrasonic testing to describe the hydration of calcium aluminate cement at the early age. *Cement and Concrete Research*, **2001**, 31, 405-412	10.3	89
114	Application of X-ray computed tomography to characterise the early hydration of calcium aluminate cement. *Cement and Concrete Composites*, **2003**, 25, 145-152	8.6	79
113	Comparison of surface properties between kaolin and metakaolin in concentrated lime solutions. *Journal of Colloid and Interface Science*, **2009**, 339, 103-9	9.3	77
112	Properties of cellulosic fibre reinforced plaster: influence of hemp or flax fibres on the properties of set gypsum. *Journal of Materials Science*, **2010**, 45, 793-803	4.3	72
111	Chemical modification of hemp fibers by silane coupling agents. *Journal of Applied Polymer Science*, **2012**, 123, 601-610	2.9	63
110	Influence of chemical treatments on adhesion properties of hemp fibres. *Journal of Colloid and Interface Science*, **2011**, 356, 303-10	9.3	63
109	Influence of various chemical treatments on the interactions between hemp fibres and a lime matrix. *Journal of the European Ceramic Society*, **2009**, 29, 1861-1868	6	62
108	Influence of grain size on the thermal conductivity of tin oxide ceramics. *Journal of the European Ceramic Society*, **2000**, 20, 297-302	6	62
107	Structural electrical and optical properties of undoped and indium doped ZnO thin films prepared by the pyrosol process at different temperatures. *Thin Solid Films*, **2002**, 416, 284-293	2.2	59
106	Morphological differences in ZnO films deposited by the pyrosol technique: effect of HCl. *Thin Solid Films*, **1999**, 345, 192-196	2.2	59
105	Flat ceramic microfiltration membrane based on natural clay and Moroccan phosphate for desalination and industrial wastewater treatment. *Desalination*, **2018**, 427, 42-50	10.3	57

104	Effect of calcium rich and alkaline solutions on the chemical behaviour of hemp fibres. *Journal of Materials Science*, **2007**, 42, 9336-9342	4.3	56
103	Durability of inorganic foam in solution: The role of alkali elements in the geopolymer network. *Corrosion Science*, **2012**, 59, 213-221	6.8	52
102	Effect of malic and citric acid on the crystallisation of gypsum investigated by coupled acoustic emission and electrical conductivity techniques. *Journal of Materials Science*, **2006**, 41, 7210-7217	4.3	44
101	Surface properties of kaolin and illite suspensions in concentrated calcium hydroxide medium. *Journal of Colloid and Interface Science*, **2007**, 307, 101-8	9.3	42
100	Effect of pH of the Solution on the Deposition of Zinc Oxide Films by Spray Pyrolysis. *Journal of the American Ceramic Society*, **1993**, 76, 998-1002	3.8	41
99	Correlation between hydration mechanism and ultrasonic measurements in an aluminous cement: effect of setting time and temperature on the early hydration. *Journal of the European Ceramic Society*, **2002**, 22, 1947-1958	6	35
98	Acoustic emission characterisation of calcium aluminate cement hydration at an early stage. *Journal of the European Ceramic Society*, **2003**, 23, 387-398	6	35
97	Photocatalytic degradation of 2,4-D and 2,4-DP herbicides on Pt/TiO2 nanoparticles. *Journal of Saudi Chemical Society*, **2015**, 19, 485-493	4.3	34
96	Surface modifications of illite in concentrated lime solutions investigated by pyridine adsorption. *Journal of Colloid and Interface Science*, **2012**, 382, 17-21	9.3	34
95	Mechanical properties of hemp-lime reinforced mortars: influence of the chemical treatment of fibers. *Journal of Composite Materials*, **2011**, 45, 2347-2357	2.7	34
94	ac impedance measurements and V-I characteristics for Co-, Mn-, or Bi-doped ZnO. *Journal of Applied Physics*, **1989**, 65, 5119-5125	2.5	34
93	A model for the preparation of YBa2Cu3O7□orthorhombic phase by controlled precipitation of oxalates. *Materials Research Bulletin*, **1988**, 23, 1273-1283	5.1	34
92	Structural characterization of geomaterial foams □Thermal behavior. *Journal of Non-Crystalline Solids*, **2011**, 357, 3637-3647	3.9	32
91	Montmorillonite based artificial nacre prepared via a drying process. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 130, 132-136	3.1	32
90	Modeling Gypsum Crystallization on a Submicrometric Scale. *Journal of Physical Chemistry C*, **2009**, 113, 1189-1195	3.8	30
89	Deposition of ZnO films on polycrystalline alumina substrates by spray pyrolysis. *Journal of the European Ceramic Society*, **1990**, 6, 313-316	6	30
88	Fabrication and characterization of a ceramic membrane from clay and banana peel powder: Application to industrial wastewater treatment. *Materials Chemistry and Physics*, **2019**, 227, 291-301	4.4	29
87	Pyrosol deposition of ZnO and SnO2 based thin films: the interplay between solution chemistry, growth rate and film morphology. *Thin Solid Films*, **2000**, 376, 47-55	2.2	28

86	Effects of oil shale addition and sintering cycle on the microstructure and mechanical properties of porous cordierite-ceramic. *Ceramics International*, **2014**, 40, 8937-8944	5.1	27
85	Densification and coarsening of SnO2-based materials containing manganese oxide. *Journal of the European Ceramic Society*, **1998**, 18, 345-351	6	27
84	Pyrosol deposition of fluorine-doped tin dioxide thin films. *Journal of Materials Science*, **1995**, 30, 53-62	4.3	27
83	Comparison of the influence of talc and kaolinite as inorganic fillers on morphology, structure and thermomechanical properties of polylactide based composites. *Applied Clay Science*, **2015**, 116-117, 231-240	5.2	25
82	Geomaterial foams: role assignment of raw materials in the network formation. *Journal of Sol-Gel Science and Technology*, **2012**, 61, 436-448	2.3	25
81	Valorisation of recycled concrete sands in cement raw meal for cement production. *Materials and Structures/Materiaux Et Constructions*, **2017**, 50, 1	3.4	24
80	Application of the acoustic emission technique to characterise liquid transfer in a porous ceramic during drying. *Journal of the European Ceramic Society*, **2006**, 26, 1075-1084	6	24
79	Effect of In concentration in the starting solution on the structural and electrical properties of ZnO films prepared by the pyrosol process at 450°C. *Journal of Non-Crystalline Solids*, **2000**, 273, 302-306	3.9	24
78	Characterisation of early stage calcium aluminate cement hydration by combination of non-destructive techniques: acoustic emission and X-ray tomography. *Journal of the European Ceramic Society*, **2003**, 23, 2211-2223	6	23
77	Interaction fibre de chanvre/ciment: influence sur les propri□□ m□aniques du composite. *Materiaux Et Techniques*, **2007**, 95, 133-142	0.6	22
76	Influence of sintering temperature on the microstructural and mechanical properties of cordierite synthesized from andalusite and talc. *Materials Letters*, **2016**, 172, 198-201	3.3	20
75	Influence of two dispersants on the rheological behavior of kaolin and illite in concentrated calcium hydroxide dispersions. *Applied Clay Science*, **2008**, 42, 252-257	5.2	20
74	Application of pyrosol deposition process for large-area deposition of fluorine-doped tin dioxide thin films. *Thin Solid Films*, **1994**, 239, 150-155	2.2	20
73	Solid-state synthesis of pure ye□limite. *Journal of the European Ceramic Society*, **2018**, 38, 3401-3411	6	19
72	Role of dispersant and humidity on the setting of millimetric films of aluminous cement prepared by tape casting. *Journal of the European Ceramic Society*, **2012**, 32, 2103-2111	6	18
71	Mechanical behavior and ultrasonic non-destructive characterization of elastic properties of cordierite-based ceramics. *Ceramics International*, **2013**, 39, 21-27	5.1	18
70	Effect of a carboxylic acid on the rheological behavior of an aluminous cement paste and consequences on the properties of the hardened material. *Journal of the European Ceramic Society*, **2005**, 25, 1143-1147	6	18
69	Electrical characterization of aluminous cement at the early age in the 10 Hz□ GHz frequency range. *Cement and Concrete Research*, **2000**, 30, 1057-1062	10.3	18

68	Morphology and physical properties of SnO2-based thin films deposited by the pyrosol process from dibutyltindiacetate. *Thin Solid Films*, **1997**, 292, 145-149	2.2	17
67	Analysis of acoustic emission signature during aluminous cement setting to characterise the mechanical behaviour of the hard material. *Journal of the European Ceramic Society*, **2005**, 25, 3523-3531	6	17
66	Comparison of optical and electrical characteristics of SnO2-based thin films deposited by pyrosol from different tin precursors. *Journal of the European Ceramic Society*, **1999**, 19, 787-789	6	17
65	Beneficial reuse of dam fine sediments as clinker raw material. *Construction and Building Materials*, **2019**, 218, 365-384	6.7	15
64	Effect of iron phase on the strengthening of lateritic-based geomimetic materials. *Applied Clay Science*, **2012**, 70, 14-21	5.2	14
63	Nanocomposites derived from montmorillonite and metallosupramolecular polyelectrolytes: modular compounds for electrorheological fluids. *Langmuir*, **2013**, 29, 1743-7	4	13
62	Geomaterial Foam to Reinforce Wood. *Ceramic Engineering and Science Proceedings*,3-10	0.1	13
61	Thermomechanical characteristics of calcium aluminate cement and sand tapes prepared by tape casting. *Journal of the European Ceramic Society*, **2006**, 26, 3799-3807	6	12
60	Role of a Small Addition of Acetic Acid on the Setting Behavior and on the Microstructure of a Calcium Aluminate Cement. *Journal of the American Ceramic Society*, **2005**, 88, 2079-2084	3.8	12
59	Inter-relationship between deposition temperature and morphology of SnO2 films deposited by a pyrosol process. *Thin Solid Films*, **1992**, 208, 4-6	2.2	12
58	Ability of Two Dam Fine-Grained Sediments to be Used in Cement Industry as Raw Material for Clinker Production and as Pozzolanic Additional Constituent of Portland-Composite Cement. *Waste and Biomass Valorization*, **2017**, 8, 2141-2163	3.2	11
57	Translucent Tin Dioxide Ceramics Obtained by Natural Sintering. *Journal of the American Ceramic Society*, **2005**, 80, 2735-2736	3.8	11
56	Eco-friendly alumina suspensions for tape-casting process. *Journal of the European Ceramic Society*, **2017**, 37, 5239-5248	6	10
55	Re-examination of the transformation of Ca2SiO4. *Journal of the European Ceramic Society*, **2018**, 38, 4756-4767	6	10
54	Calcium aluminate cement tapes Part I: Structural and microstructural characterizations. *Journal of the European Ceramic Society*, **2014**, 34, 1017-1023	6	10
53	Understanding the strengthening of a lateritic geomimetic material. *Construction and Building Materials*, **2014**, 55, 333-340	6.7	10
52	Plaster Hydration at Different Plaster-to-Water Ratios: Acoustic Emission and 3-Dimensional Submicrometric Simulations. *Journal of Physical Chemistry C*, **2012**, 116, 4671-4678	3.8	10
51	Experimental survey of different precursor/solvent pairs for the deposition of tin dioxide by pyrosol. *Thin Solid Films*, **1998**, 315, 17-21	2.2	10

50	New applications of acoustic emission technique for real-time monitoring of material processes. *Journal of Materials Science Letters*, **2002**, 21, 1261-1266		10
49	Acoustic emission monitoring of calcium aluminate cement setting at the early age. *Journal of Materials Science Letters*, **2001**, 20, 667-669		10
48	Yelimite synthesis by chemical routes. *Journal of the European Ceramic Society*, **2019**, 39, 1683-1695	6	10
47	Adsorption of fulvic and humic like acids on surfaces of clays: Relation with SUVA index and acidity. *Applied Clay Science*, **2018**, 154, 83-90	5.2	9
46	Processing by tape casting and mechanical behaviour of aluminous cement-based matrix alumina fibers composites. *Journal of the European Ceramic Society*, **2007**, 27, 1469-1474	6	8
45	Ultrasonic measurements as an in situ tool for characterising the ageing of an aluminous cement at different temperatures. *Journal of the European Ceramic Society*, **2002**, 22, 2261-2268	6	8
44	Ultrasonic assessment of Portland cement at the early stages of hydration. *Journal of Materials Science Letters*, **1999**, 18, 1335-1337		8
43	Effect of oxygen chemisorption on the electrical conductivity of zinc oxide films prepared by a spray pyrolysis method. *Journal of the European Ceramic Society*, **1991**, 7, 379-383	6	8
42	Porous ceramic from Moroccan natural phosphate and raw clay for microfiltration applications83, 277-280		8
41	Study of borosilicate glaze opacification by phosphates using Kubelka-Munk model. *Ceramics International*, **2017**, 43, 5862-5869	5.1	7
40	Master Equation Approach to Gypsum Needle Crystallization. *Journal of Physical Chemistry C*, **2010**, 114, 3830-3836	3.8	7
39	Characterisation of liquid transfer processes and water adsorption mechanism on a porous ceramic by acoustic emission means. *Journal of the European Ceramic Society*, **2007**, 27, 457-462	6	7
38	Effects of microstructure on acoustical insulation of gypsum boards. *Journal of Building Engineering* , **2017**, 14, 24-31	5.2	6
37	Effect of sintering temperature on the microstructure and mechanical behavior of porous ceramics made from clay and banana peel powder. *Results in Materials*, **2019**, 4, 100028	2.3	6
36	Micro extrusion of innovative alumina pastes based on aqueous solvent and eco-friendly binder. *Journal of the European Ceramic Society*, **2018**, 38, 2802-2807	6	6
35	Ultrasonic characterization of model mixtures of hydrated aluminous cement. *Journal of Materials Science*, **2002**, 37, 3847-3853	4.3	6
34	Nanostructure and properties of ZnO films produced by the pyrosol process. *Journal of Applied Crystallography*, **2003**, 36, 435-438	3.8	6
33	Voltage-Current Characteristics of a Simple Zinc Oxide Varistor Containing Magnesia. *Journal of the American Ceramic Society*, **1990**, 73, 1098-1099	3.8	6

32	Binding and setting of kaolin based materials with natural organic acids. *Applied Clay Science*, **2015**, 114, 609-616	5.2	5
31	Incorporation of Wooden Furniture Wastes in Fired Clay Bricks for Improved Thermal Insulation: A Feasability Study. *Waste and Biomass Valorization*, **2020**, 11, 6943-6951	3.2	5
30	Examination of yeelimite formation mechanisms. *Journal of the European Ceramic Society*, **2019**, 39, 5086-5095	6	5
29	Interfacial reactions between humic-like substances and lateritic clay: application to the preparation of "geomimetic" materials. *Journal of Colloid and Interface Science*, **2014**, 434, 208-17	9.3	5
28	Additives content in ZnO films prepared by spray pyrolysis. *Journal of the European Ceramic Society*, **1992**, 9, 447-452	6	5
27	Role of dopants (B, P and S) on the stabilization of Ca2SiO4. *Journal of the European Ceramic Society*, **2021**, 41, 880-891	6	5
26	Structural and microstructural studies of montmorillonite-based multilayer nanocomposites. *Journal of Colloid and Interface Science*, **2014**, 417, 152-8	9.3	4
25	Experimental study of dielectric properties of composite materials pozzolan/DGEBA. *Polymer Composites*, **2017**, 38, 324-331	3	3
24	About the thermal transformations and sintering of a Ghassoul clay from Morocco. *Journal of Thermal Analysis and Calorimetry*, **2015**, 122, 1245-1255	4.1	3
23	Role of Alkaline Cations on Geomaterial Foams. *Advances in Science and Technology*, **2010**, 69, 97-106	0.1	3
22	The effect of differential shrinkage in ceramic bonding. *Journal of Materials Science Letters*, **1986**, 5, 349-352		3
21	Cleanliness of Mixed Fired Clay Bricks Coming from Construction and Demolition Waste. *Waste and Biomass Valorization*, **2017**, 8, 2177-2185	3.2	2
20	Effect of fineness and citric acid addition on the hydration of yeelimite. *Construction and Building Materials*, **2020**, 258, 119686	6.7	2
19	Determination of boron contained in a cementitous matrix used for the transport or the storage of radioactive waste. *Progress in Nuclear Energy*, **2018**, 109, 38-44	2.3	2
18	Calcium aluminate cement tapes Part II: Physical properties. *Journal of the European Ceramic Society*, **2014**, 34, 1025-1033	6	2
17	Electrical characterisation as a function of frequency: application to aluminous cement during early hydration. *Cement and Concrete Composites*, **2002**, 24, 477-484	8.6	2
16	Growth of CuInSe 2 , Cu(In,Ga)Se 2 and CuIn(Se,S) 2 films on SnO 2 thin film substrates. *Thin Solid Films*, **1996**, 278, 82-86	2.2	2
15	Experimental survey of dopant ions in ZnO: nonlinearity and degradation. *Materials Letters*, **1994**, 19, 159-164	3.3	2

14	Bonding of Zirconia and Lanthanum Chromite by Co-firing. *Journal of the American Ceramic Society*, **1989**, 72, 308-311	3.8	2
13	Some examples of mineral eco-materials. *Journal of the European Ceramic Society*, **2019**, 39, 3408-3415	6	2
12	Elaboration and Characterization of Porous Materials from Moroccan Natural Resources: Application to Industrial Wastewater Treatment **2020**, 187-204		1
11	Molecular geometries and vibrational spectra of SnCl4□(OH)n. *Journal of Molecular Structure*, **2000**, 525, 53-64	3.4	1
10	Effect of the addition of iron oxide on the microstructure of ye'elimite. *Cement and Concrete Research*, **2022**, 151, 106625	10.3	1
9	Fractal structures and silica films formed by the Treignac water on inert and biological surfaces. *Nanoscale Advances*, **2020**, 2, 3821-3828	5.1	1
8	A comparative study of the thermal behaviour of phosphate washing sludge from Tunisia and Morocco. *Journal of Thermal Analysis and Calorimetry*,1	4.1	1
7	29Si and 27Al MAS NMR Characterization of the Structural Evolution of a Lateritic Clay under Acidic and Alkaline Treatments. *Journal of Material Science & Engineering*, **2018**, 07,	0.7	1
6	Impact of bio-based binders on rheological properties of aqueous alumina slurries for tape casting. *Journal of the European Ceramic Society*, **2021**, 41, 5593-5601	6	1
5	Substitution of aluminous cement by calcium carbonates in presence of carboxylic acid. *Construction and Building Materials*, **2017**, 154, 711-720	6.7	0
4	Cold ceramics: low-temperature processing of ceramics for applications in composites **2014**, 235-263		
3	Cold ceramics: Low-temperature processing of ceramics for applications in composites **2014**, 249-276		
2	Copper in ZnO films prepared by a pyrosol method: Interrelationship between its content in the film and the chemical nature of precursors. *Materials Research Bulletin*, **1992**, 27, 303-310	5.1	
1	Cohsion □Ohterface matrice minℇale/fibres cellulosiques : traitements chimiques des fibres et caractℇisation. *Materiaux Et Techniques*, **2012**, 100, 401-411	0.6	