Agnes Smith

List of Publications by Year
in descending order

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122 papers	4,196 citations	126708 33 h-index	128067 60 g-index
126 all docs	126 docs citations	126 times ranked	4026 citing authors

#	Article	IF	Citations
1	Influence of various chemical treatments on the composition and structure of hemp fibres. Composites Part A: Applied Science and Manufacturing, 2008, 39, 514-522.	3.8	473
2	Mechanical properties of hemp fibre reinforced cement: Influence of the fibre/matrix interaction. Journal of the European Ceramic Society, 2008, 28, 183-192.	2.8	278
3	Silica fume as porogent agent in geo-materials at low temperature. Journal of the European Ceramic Society, 2010, 30, 1641-1648.	2.8	193
4	In situ inorganic foams prepared from various clays at low temperature. Applied Clay Science, 2011, 51, 15-22.	2.6	155
5	Application of ultrasonic testing to describe the hydration of calcium aluminate cement at the early age. Cement and Concrete Research, 2001, 31, 405-412.	4.6	121
6	Comparison of the thermal degradation of natural, alkaliâ€treated and silaneâ€treated hemp fibers under air and an inert atmosphere. Journal of Applied Polymer Science, 2009, 112, 226-234.	1.3	117
7	Relation between solution chemistry and morphology of SnO2-based thin films deposited by a pyrosol process. Thin Solid Films, 1995, 266, 20-30.	0.8	112
8	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.	1.7	103
9	Flat ceramic microfiltration membrane based on natural clay and Moroccan phosphate for desalination and industrial wastewater treatment. Desalination, 2018, 427, 42-50.	4.0	101
10	Comparison of surface properties between kaolin and metakaolin in concentrated lime solutions. Journal of Colloid and Interface Science, 2009, 339, 103-109.	5.0	100
11	Application of X-ray computed tomography to characterise the early hydration of calcium aluminate cement. Cement and Concrete Composites, 2003, 25, 145-152.	4.6	98
12	Chemical modification of hemp fibers by silane coupling agents. Journal of Applied Polymer Science, 2012, 123, 601-610.	1.3	82
13	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.	2.8	75
14	Influence of grain size on the thermal conductivity of tin oxide ceramics. Journal of the European Ceramic Society, 2000, 20, 297-302.	2.8	72
15	Influence of chemical treatments on adhesion properties of hemp fibres. Journal of Colloid and Interface Science, 2011, 356, 303-310.	5.0	72
16	Effect of calcium rich and alkaline solutions on the chemical behaviour of hemp fibres. Journal of Materials Science, 2007, 42, 9336-9342.	1.7	68
17	Morphological differences in ZnO films deposited by the pyrosol technique: effect of HCl. Thin Solid Films, 1999, 345, 192-196.	0.8	67
18	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.	0.8	63

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19	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.	2.0	62
20	Durability of inorganic foam in solution: The role of alkali elements in the geopolymer network. Corrosion Science, 2012, 59, 213-221.	3.0	60
21	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.	1.7	51
22	Surface properties of kaolin and illite suspensions in concentrated calcium hydroxide medium. Journal of Colloid and Interface Science, 2007, 307, 101-108.	5.0	45
23	Structural characterization of geomaterial foams â€" Thermal behavior. Journal of Non-Crystalline Solids, 2011, 357, 3637-3647.	1.5	45
24	Photocatalytic degradation of 2,4-D and 2,4-DP herbicides on Pt/TiO2 nanoparticles. Journal of Saudi Chemical Society, 2015, 19, 485-493.	2.4	45
25	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.	1.9	44
26	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.	2.8	44
27	Mechanical properties of hemp-lime reinforced mortars: influence of the chemical treatment of fibers. Journal of Composite Materials, 2011, 45, 2347-2357.	1.2	44
28	ac impedance measurements andVâ€‹characteristics for Coâ€‹, Mnâ€‹, or Biâ€‹doped ZnO. Journal of Applied Physics, 1989, 65, 5119-5125.	1.1	43
29	Acoustic emission characterisation of calcium aluminate cement hydration at an early stage. Journal of the European Ceramic Society, 2003, 23, 387-398.	2.8	42
30	Surface modifications of illite in concentrated lime solutions investigated by pyridine adsorption. Journal of Colloid and Interface Science, 2012, 382, 17-21.	5.0	42
31	A model for the preparation of YBa2Cu3O7â^' orthorhombic phase by controlled precipitation of oxalates. Materials Research Bulletin, 1988, 23, 1273-1283.	2.7	36
32	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.	2.6	36
33	Valorisation of recycled concrete sands in cement raw meal for cement production. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	36
34	Montmorillonite based artificial nacre prepared via a drying process. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 130, 132-136.	1.7	35
35	Modeling Gypsum Crystallization on a Submicrometric Scale. Journal of Physical Chemistry C, 2009, 113, 1189-1195.	1.5	34
36	Pyrosol deposition of fluorine-doped tin dioxide thin films. Journal of Materials Science, 1995, 30, 53-62.	1.7	33

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37	Effects of oil shale addition and sintering cycle on the microstructure and mechanical properties of porous cordierite-ceramic. Ceramics International, 2014, 40, 8937-8944.	2.3	33
38	Deposition of ZnO films on polycrystalline alumina substrates by spray pyrolysis. Journal of the European Ceramic Society, 1990, 6, 313-316.	2.8	31
39	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.	0.8	31
40	Densification and coarsening of SnO2-based materials containing manganese oxide. Journal of the European Ceramic Society, 1998, 18, 345-351.	2.8	30
41	Geomaterial foams: role assignment of raw materials in the network formation. Journal of Sol-Gel Science and Technology, 2012, 61, 436-448.	1.1	30
42	Beneficial reuse of dam fine sediments as clinker raw material. Construction and Building Materials, 2019, 218, 365-384.	3.2	30
43	Interaction fibre de chanvre/ciment: influence sur les propriÃ©tÃ©s mÃ©caniques du composite. Materiaux Et Techniques, 2007, 95, 133-142.	0.3	30
44	Effect of In concentration in the starting solution on the structural and electrical properties of ZnO films prepared by the pyrosol process at 450Â°C. Journal of Non-Crystalline Solids, 2000, 273, 302-306.	1.5	29
45	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.	2.8	29
46	Solid-state synthesis of pure yeâ€™elimite. Journal of the European Ceramic Society, 2018, 38, 3401-3411.	2.8	27
47	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.	2.8	26
48	Influence of two dispersants on the rheological behavior of kaolin and illite in concentrated calcium hydroxide dispersions. Applied Clay Science, 2008, 42, 252-257.	2.6	25
49	Mechanical behavior and ultrasonic non-destructive characterization of elastic properties of cordierite-based ceramics. Ceramics International, 2013, 39, 21-27.	2.3	25
50	Influence of sintering temperature on the microstructural and mechanical properties of cordierite synthesized from andalusite and talc. Materials Letters, 2016, 172, 198-201.	1.3	25
51	Application of pyrosol deposition process for large-area deposition of fluorine-doped tin dioxide thin films. Thin Solid Films, 1994, 239, 150-155.	0.8	24
52	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.	2.8	21
53	Electrical characterization of aluminous cement at the early age in the 10 Hzâ€“1 GHz frequency range. Cement and Concrete Research, 2000, 30, 1057-1062.	4.6	21
54	Re-examination of the Î²â†'Î³ transformation of Ca2SiO4. Journal of the European Ceramic Society, 2018, 38, 4756-4767.	2.8	21

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55	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.	2.8	20
56	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.	2.8	20
57	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.	1.8	19
58	Morphology and physical properties of SnO2-based thin films deposited by the pyrosol process from dibutyltindiacetate. Thin Solid Films, 1997, 292, 145-149.	0.8	18
59	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.	2.8	18
60	Effect of iron phase on the strengthening of lateritic-based â€œgeomimeticâ€•materials. Applied Clay Science, 2012, 70, 14-21.	2.6	17
61	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.	0.9	17
62	Examination of yeâ€™elimite formation mechanisms. Journal of the European Ceramic Society, 2019, 39, 5086-5095.	2.8	16
63	Inter-relationship between deposition temperature and morphology of SnO2 films deposited by a pyrosol process. Thin Solid Films, 1992, 208, 4-6.	0.8	15
64	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.	1.9	15
65	Nanocomposites Derived from Montmorillonite and Metallosupramolecular Polyelectrolytes: Modular Compounds for Electrorheological Fluids. Langmuir, 2013, 29, 1743-1747.	1.6	15
66	Effects of microstructure on acoustical insulation of gypsum boards. Journal of Building Engineering, 2017, 14, 24-31.	1.6	15
67	Role of dopants (B, P and S) on the stabilization of Î²-Ca2SiO4. Journal of the European Ceramic Society, 2021, 41, 880-891.	2.8	15
68	Thermomechanical characteristics of calcium aluminate cement and sand tapes prepared by tape casting. Journal of the European Ceramic Society, 2006, 26, 3799-3807.	2.8	14
69	Eco-friendly alumina suspensions for tape-casting process. Journal of the European Ceramic Society, 2017, 37, 5239-5248.	2.8	14
70	Adsorption of fulvic and humic like acids on surfaces of clays: Relation with SUVA index and acidity. Applied Clay Science, 2018, 154, 83-90.	2.6	14
71	Yeâ€™elimite synthesis by chemical routes. Journal of the European Ceramic Society, 2019, 39, 1683-1695.	2.8	14
72	Understanding the strengthening of a lateritic â€œgeomimeticâ€•material. Construction and Building Materials, 2014, 55, 333-340.	3.2	13

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73	Porous ceramic from Moroccan natural phosphate and raw clay for microfiltration applications. , 0, 83, 277-280.		13
74	Plaster Hydration at Different Plaster-to-Water Ratios: Acoustic Emission and 3-Dimensional Submicrometric Simulations. Journal of Physical Chemistry C, 2012, 116, 4671-4678.	1.5	12
75	Calcium aluminate cement tapes â€“ Part I: Structural and microstructural characterizations. Journal of the European Ceramic Society, 2014, 34, 1017-1023.	2.8	12
76	Micro extrusion of innovative alumina pastes based on aqueous solvent and eco-friendly binder. Journal of the European Ceramic Society, 2018, 38, 2802-2807.	2.8	12
77	Experimental survey of different precursor/solvent pairs for the deposition of tin dioxide by pyrosol. Thin Solid Films, 1998, 315, 17-21.	0.8	11
78	Acoustic emission monitoring of calcium aluminate cement setting at the early age. Journal of Materials Science Letters, 2001, 20, 667-669.	0.5	11
79	New applications of acoustic emission technique for real-time monitoring of material processes. Journal of Materials Science Letters, 2002, 21, 1261-1266.	0.5	11
80	Translucent Tin Dioxide Ceramics Obtained by Natural Sintering. Journal of the American Ceramic Society, 1997, 80, 2735-2736.	1.9	11
81	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.	2.8	10
82	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.	2.8	10
83	Study of borosilicate glaze opacification by phosphates using Kubelka-Munk model. Ceramics International, 2017, 43, 5862-5869.	2.3	10
84	Effect of the addition of iron oxide on the microstructure of ye'elimite. Cement and Concrete Research, 2022, 151, 106625.	4.6	10
85	Interfacial reactions between humic-like substances and lateritic clay: Application to the preparation of â€œgeomimeticâ€•materials. Journal of Colloid and Interface Science, 2014, 434, 208-217.	5.0	9
86	Incorporation of Wooden Furniture Wastes in Fired Clay Bricks for Improved Thermal Insulation: A Feasability Study. Waste and Biomass Valorization, 2020, 11, 6943-6951.	1.8	9
87	Ultrasonic assessment of Portland cement at the early stages of hydration. Journal of Materials Science Letters, 1999, 18, 1335-1337.	0.5	8
88	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.	2.8	8
89	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.	2.8	8
90	Effect of fineness and citric acid addition on the hydration of yeâ€™elimite. Construction and Building Materials, 2020, 258, 119686.	3.2	8

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91	A comparative study of the thermal behaviour of phosphate washing sludge from Tunisia and Morocco. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5677-5686.	2.0	8
92	Ultrasonic characterization of model mixtures of hydrated aluminous cement. Journal of Materials Science, 2002, 37, 3847-3853.	1.7	7
93	Nanostructure and properties of ZnO films produced by the pyrosol process. Journal of Applied Crystallography, 2003, 36, 435-438.	1.9	7
94	Master Equation Approach to Gypsum Needle Crystallization. Journal of Physical Chemistry C, 2010, 114, 3830-3836.	1.5	7
95	Voltage-Current Characteristics of a Simple Zinc Oxide Varistor Containing Magnesia. Journal of the American Ceramic Society, 1990, 73, 1098-1099.	1.9	6
96	Binding and setting of kaolin based materials with natural organic acids. Applied Clay Science, 2015, 114, 609-616.	2.6	6
97	Additives content in ZnO films prepared by spray pyrolysis. Journal of the European Ceramic Society, 1992, 9, 447-452.	2.8	5
98	Structural and microstructural studies of montmorillonite-based multilayer nanocomposites. Journal of Colloid and Interface Science, 2014, 417, 152-158.	5.0	4
99	Cleanliness of Mixed Fired Clay Bricks Coming from Construction and Demolition Waste. Waste and Biomass Valorization, 2017, 8, 2177-2185.	1.8	4
100	The effect of differential shrinkage in ceramic bonding. Journal of Materials Science Letters, 1986, 5, 349-352.	0.5	3
101	Bonding of Zirconia and Lanthanum Chromite by Co-firing. Journal of the American Ceramic Society, 1989, 72, 308-311.	1.9	3
102	Experimental survey of dopant ions in ZnO: nonlinearity and degradation. Materials Letters, 1994, 19, 159-164.	1.3	3
103	Electrical characterisation as a function of frequency: application to aluminous cement during early hydration. Cement and Concrete Composites, 2002, 24, 477-484.	4.6	3
104	Role of Alkaline Cations on Geomaterial Foams. Advances in Science and Technology, 0, , .	0.2	3
105	Calcium aluminate cement tapes â€“ Part II: Physical properties. Journal of the European Ceramic Society, 2014, 34, 1025-1033.	2.8	3
106	About the thermal transformations and sintering of a Ghassoul clay from Morocco. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1245-1255.	2.0	3
107	Experimental study of dielectric properties of composite materials pozzolan/DGEBA. Polymer Composites, 2017, 38, 324-331.	2.3	3
108	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.	1.3	3

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109	Some examples of mineral eco-materials. Journal of the European Ceramic Society, 2019, 39, 3408-3415.	2.8	3
110	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.	0.8	2
111	Molecular geometries and vibrational spectra of SnCl4â˜n(OH)n. Journal of Molecular Structure, 2000, 525, 53-64.	1.8	2
112	Substitution of aluminous cement by calcium carbonates in presence of carboxylic acid. Construction and Building Materials, 2017, 154, 711-720.	3.2	2
113	Fractal structures and silica films formed by the Treignac water on inert and biological surfaces. Nanoscale Advances, 2020, 2, 3821-3828.	2.2	2
114	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.	2.8	2
115	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, .	0.2	1
116	Elaboration and Characterization of Porous Materials from Moroccan Natural Resources: Application to Industrial Wastewater Treatment. , 2020, , 187-204.		1
117	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.	2.7	0
118	Cold ceramics. , 2014, , 249-276.		0
119	Cold ceramics: low-temperature processing of ceramics for applications in composites. , 2014, , 235-263.		0
120	Effect of an organic additiveon the rheologyof an aluminous cement paste and consequences on thedensificationof the hardened material. European Physical Journal Special Topics, 2005, 123, 189-192.	0.2	0
121	CohÃ©sion Ã â€™interface matrice minÃ©rale/fibres cellulosiques : traitements chimiques des fibres et caractÃ©risation. Materiaux Et Techniques, 2012, 100, 401-411.	0.3	0
122	A series of novel non-stoichiometric cobalt ferrite nanoparticles as efficient reusable nanoadsorbents for hexachromium ions. , 0, 163, 243-259.		0