

Agnes Smith

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Effect of the addition of iron oxide on the microstructure of ye'elimite. <i>Cement and Concrete Research</i> , 2022 , 151, 106625	10.3	1
120	Role of dopants (B, P and S) on the stabilization of β -Ca ₂ SiO ₄ . <i>Journal of the European Ceramic Society</i> , 2021 , 41, 880-891	6	5
119	Impact of bio-based binders on rheological properties of aqueous alumina slurries for tape casting. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 5593-5601	6	1
118	Effect of fineness and citric acid addition on the hydration of ye'elimite. <i>Construction and Building Materials</i> , 2020 , 258, 119686	6.7	2
117	Elaboration and Characterization of Porous Materials from Moroccan Natural Resources: Application to Industrial Wastewater Treatment 2020 , 187-204		1
116	Incorporation of Wooden Furniture Wastes in Fired Clay Bricks for Improved Thermal Insulation: A Feasibility Study. <i>Waste and Biomass Valorization</i> , 2020 , 11, 6943-6951	3.2	5
115	Fractal structures and silica films formed by the Treignac water on inert and biological surfaces. <i>Nanoscale Advances</i> , 2020 , 2, 3821-3828	5.1	1
114	Effect of sintering temperature on the microstructure and mechanical behavior of porous ceramics made from clay and banana peel powder. <i>Results in Materials</i> , 2019 , 4, 100028	2.3	6
113	Beneficial reuse of dam fine sediments as clinker raw material. <i>Construction and Building Materials</i> , 2019 , 218, 365-384	6.7	15
112	Fabrication and characterization of a ceramic membrane from clay and banana peel powder: Application to industrial wastewater treatment. <i>Materials Chemistry and Physics</i> , 2019 , 227, 291-301	4.4	29
111	Examination of ye'elimite formation mechanisms. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 5086-5095	5	5
110	Some examples of mineral eco-materials. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3408-3415	6	2
109	Ye'elimite synthesis by chemical routes. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 1683-1695	6	10
108	Micro extrusion of innovative alumina pastes based on aqueous solvent and eco-friendly binder. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2802-2807	6	6
107	Adsorption of fulvic and humic like acids on surfaces of clays: Relation with SUVA index and acidity. <i>Applied Clay Science</i> , 2018 , 154, 83-90	5.2	9
106	Solid-state synthesis of pure ye'elimite. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 3401-3411	6	19
105	Determination of boron contained in a cementitious matrix used for the transport or the storage of radioactive waste. <i>Progress in Nuclear Energy</i> , 2018 , 109, 38-44	2.3	2

104	Re-examination of the transformation of Ca ₂ SiO ₄ . <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4756-4767	6	10
103	Flat ceramic microfiltration membrane based on natural clay and Moroccan phosphate for desalination and industrial wastewater treatment. <i>Desalination</i> , 2018 , 427, 42-50	10.3	57
102	²⁹ Si and ²⁷ Al MAS NMR Characterization of the Structural Evolution of a Lateritic Clay under Acidic and Alkaline Treatments. <i>Journal of Material Science & Engineering</i> , 2018 , 07,	0.7	1
101	Experimental study of dielectric properties of composite materials pozzolan/DGEBA. <i>Polymer Composites</i> , 2017 , 38, 324-331	3	3
100	Valorisation of recycled concrete sands in cement raw meal for cement production. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017 , 50, 1	3.4	24
99	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. <i>Waste and Biomass Valorization</i> , 2017 , 8, 2141-2163	3.2	11
98	Study of borosilicate glaze opacification by phosphates using Kubelka-Munk model. <i>Ceramics International</i> , 2017 , 43, 5862-5869	5.1	7
97	Eco-friendly alumina suspensions for tape-casting process. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 5239-5248	6	10
96	Cleanliness of Mixed Fired Clay Bricks Coming from Construction and Demolition Waste. <i>Waste and Biomass Valorization</i> , 2017 , 8, 2177-2185	3.2	2
95	Effects of microstructure on acoustical insulation of gypsum boards. <i>Journal of Building Engineering</i> , 2017 , 14, 24-31	5.2	6
94	Substitution of aluminous cement by calcium carbonates in presence of carboxylic acid. <i>Construction and Building Materials</i> , 2017 , 154, 711-720	6.7	0
93	Influence of sintering temperature on the microstructural and mechanical properties of cordierite synthesized from andalusite and talc. <i>Materials Letters</i> , 2016 , 172, 198-201	3.3	20
92	Comparison of the influence of talc and kaolinite as inorganic fillers on morphology, structure and thermomechanical properties of polylactide based composites. <i>Applied Clay Science</i> , 2015 , 116-117, 231-240	5.2	25
91	Binding and setting of kaolin based materials with natural organic acids. <i>Applied Clay Science</i> , 2015 , 114, 609-616	5.2	5
90	Photocatalytic degradation of 2,4-D and 2,4-DP herbicides on Pt/TiO ₂ nanoparticles. <i>Journal of Saudi Chemical Society</i> , 2015 , 19, 485-493	4.3	34
89	About the thermal transformations and sintering of a Ghassoul clay from Morocco. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 1245-1255	4.1	3
88	Cold ceramics: low-temperature processing of ceramics for applications in composites 2014 , 235-263		
87	Effects of oil shale addition and sintering cycle on the microstructure and mechanical properties of porous cordierite-ceramic. <i>Ceramics International</i> , 2014 , 40, 8937-8944	5.1	27

86	Structural and microstructural studies of montmorillonite-based multilayer nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2014 , 417, 152-8	9.3	4
85	Cold ceramics: Low-temperature processing of ceramics for applications in composites 2014 , 249-276		
84	Interfacial reactions between humic-like substances and lateritic clay: application to the preparation of "geomimetic" materials. <i>Journal of Colloid and Interface Science</i> , 2014 , 434, 208-17	9.3	5
83	Calcium aluminate cement tapes [Part I: Structural and microstructural characterizations. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1017-1023	6	10
82	Calcium aluminate cement tapes [Part II: Physical properties. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1025-1033	6	2
81	Understanding the strengthening of a lateritic "geomimetic" material. <i>Construction and Building Materials</i> , 2014 , 55, 333-340	6.7	10
80	Nanocomposites derived from montmorillonite and metallosupramolecular polyelectrolytes: modular compounds for electrorheological fluids. <i>Langmuir</i> , 2013 , 29, 1743-7	4	13
79	Mechanical behavior and ultrasonic non-destructive characterization of elastic properties of cordierite-based ceramics. <i>Ceramics International</i> , 2013 , 39, 21-27	5.1	18
78	Surface modifications of illite in concentrated lime solutions investigated by pyridine adsorption. <i>Journal of Colloid and Interface Science</i> , 2012 , 382, 17-21	9.3	34
77	Role of dispersant and humidity on the setting of millimetric films of aluminous cement prepared by tape casting. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 2103-2111	6	18
76	Chemical modification of hemp fibers by silane coupling agents. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 601-610	2.9	63
75	Geomaterial foams: role assignment of raw materials in the network formation. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 61, 436-448	2.3	25
74	Plaster Hydration at Different Plaster-to-Water Ratios: Acoustic Emission and 3-Dimensional Submicrometric Simulations. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4671-4678	3.8	10
73	Durability of inorganic foam in solution: The role of alkali elements in the geopolymer network. <i>Corrosion Science</i> , 2012 , 59, 213-221	6.8	52
72	Effect of iron phase on the strengthening of lateritic-based "geomimetic" materials. <i>Applied Clay Science</i> , 2012 , 70, 14-21	5.2	14
71	Cohésion [Interface matrice minérale/fibres cellulosiques : traitements chimiques des fibres et caractérisation. <i>Materiaux Et Techniques</i> , 2012 , 100, 401-411	0.6	
70	Mechanical properties of hemp-lime reinforced mortars: influence of the chemical treatment of fibers. <i>Journal of Composite Materials</i> , 2011 , 45, 2347-2357	2.7	34
69	In situ inorganic foams prepared from various clays at low temperature. <i>Applied Clay Science</i> , 2011 , 51, 15-22	5.2	130

68	Structural characterization of geomaterial foams □ thermal behavior. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3637-3647	3.9	32
67	Influence of chemical treatments on adhesion properties of hemp fibres. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 303-10	9.3	63
66	Role of Alkaline Cations on Geomaterial Foams. <i>Advances in Science and Technology</i> , 2010 , 69, 97-106	0.1	3
65	Master Equation Approach to Gypsum Needle Crystallization. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3830-3836	3.8	7
64	Properties of cellulosic fibre reinforced plaster: influence of hemp or flax fibres on the properties of set gypsum. <i>Journal of Materials Science</i> , 2010 , 45, 793-803	4.3	72
63	Silica fume as porogent agent in geo-materials at low temperature. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 1641-1648	6	168
62	Comparison of the thermal degradation of natural, alkali-treated and silane-treated hemp fibers under air and an inert atmosphere. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 226-234	2.9	98
61	Influence of various chemical treatments on the interactions between hemp fibres and a lime matrix. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 1861-1868	6	62
60	Comparison of surface properties between kaolin and metakaolin in concentrated lime solutions. <i>Journal of Colloid and Interface Science</i> , 2009 , 339, 103-9	9.3	77
59	Modeling Gypsum Crystallization on a Submicrometric Scale. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1189-1195	3.8	30
58	Influence of two dispersants on the rheological behavior of kaolin and illite in concentrated calcium hydroxide dispersions. <i>Applied Clay Science</i> , 2008 , 42, 252-257	5.2	20
57	Influence of various chemical treatments on the composition and structure of hemp fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 514-522	8.4	380
56	Mechanical properties of hemp fibre reinforced cement: Influence of the fibre/matrix interaction. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 183-192	6	218
55	Characterisation of liquid transfer processes and water adsorption mechanism on a porous ceramic by acoustic emission means. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 457-462	6	7
54	Processing by tape casting and mechanical behaviour of aluminous cement-based matrix alumina fibers composites. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 1469-1474	6	8
53	Surface properties of kaolin and illite suspensions in concentrated calcium hydroxide medium. <i>Journal of Colloid and Interface Science</i> , 2007 , 307, 101-8	9.3	42
52	Effect of calcium rich and alkaline solutions on the chemical behaviour of hemp fibres. <i>Journal of Materials Science</i> , 2007 , 42, 9336-9342	4.3	56
51	Interaction fibre de chanvre/ciment: influence sur les propri��s m��caniques du composite. <i>Materiaux Et Techniques</i> , 2007 , 95, 133-142	0.6	22

50	Application of the acoustic emission technique to characterise liquid transfer in a porous ceramic during drying. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 1075-1084	6	24
49	Thermomechanical characteristics of calcium aluminate cement and sand tapes prepared by tape casting. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 3799-3807	6	12
48	Montmorillonite based artificial nacre prepared via a drying process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006 , 130, 132-136	3.1	32
47	Effect of malic and citric acid on the crystallisation of gypsum investigated by coupled acoustic emission and electrical conductivity techniques. <i>Journal of Materials Science</i> , 2006 , 41, 7210-7217	4.3	44
46	Effect of a carboxylic acid on the rheological behavior of an aluminous cement paste and consequences on the properties of the hardened material. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 1143-1147	6	18
45	Analysis of acoustic emission signature during aluminous cement setting to characterise the mechanical behaviour of the hard material. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 3523-3531 ⁶		17
44	Translucent Tin Dioxide Ceramics Obtained by Natural Sintering. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 2735-2736	3.8	11
43	Role of a Small Addition of Acetic Acid on the Setting Behavior and on the Microstructure of a Calcium Aluminate Cement. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2079-2084	3.8	12
42	Application of X-ray computed tomography to characterise the early hydration of calcium aluminate cement. <i>Cement and Concrete Composites</i> , 2003 , 25, 145-152	8.6	79
41	Acoustic emission characterisation of calcium aluminate cement hydration at an early stage. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 387-398	6	35
40	Characterisation of early stage calcium aluminate cement hydration by combination of non-destructive techniques: acoustic emission and X-ray tomography. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2211-2223	6	23
39	Nanostructure and properties of ZnO films produced by the pyrosol process. <i>Journal of Applied Crystallography</i> , 2003 , 36, 435-438	3.8	6
38	Correlation between hydration mechanism and ultrasonic measurements in an aluminous cement: effect of setting time and temperature on the early hydration. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 1947-1958	6	35
37	Ultrasonic measurements as an in situ tool for characterising the ageing of an aluminous cement at different temperatures. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 2261-2268	6	8
36	Electrical characterisation as a function of frequency: application to aluminous cement during early hydration. <i>Cement and Concrete Composites</i> , 2002 , 24, 477-484	8.6	2
35	Structural electrical and optical properties of undoped and indium doped ZnO thin films prepared by the pyrosol process at different temperatures. <i>Thin Solid Films</i> , 2002 , 416, 284-293	2.2	59
34	New applications of acoustic emission technique for real-time monitoring of material processes. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1261-1266		10
33	Ultrasonic characterization of model mixtures of hydrated aluminous cement. <i>Journal of Materials Science</i> , 2002 , 37, 3847-3853	4.3	6

32	Application of ultrasonic testing to describe the hydration of calcium aluminate cement at the early age. <i>Cement and Concrete Research</i> , 2001 , 31, 405-412	10.3	89
31	Acoustic emission monitoring of calcium aluminate cement setting at the early age. <i>Journal of Materials Science Letters</i> , 2001 , 20, 667-669		10
30	Electrical characterization of aluminous cement at the early age in the 10 Hz–1 GHz frequency range. <i>Cement and Concrete Research</i> , 2000 , 30, 1057-1062	10.3	18
29	Molecular geometries and vibrational spectra of $\text{SnCl}_4 \cdot n(\text{OH})$. <i>Journal of Molecular Structure</i> , 2000 , 525, 53-64	3.4	1
28	Pyrosol deposition of ZnO and SnO ₂ based thin films: the interplay between solution chemistry, growth rate and film morphology. <i>Thin Solid Films</i> , 2000 , 376, 47-55	2.2	28
27	Influence of grain size on the thermal conductivity of tin oxide ceramics. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 297-302	6	62
26	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. <i>Journal of Non-Crystalline Solids</i> , 2000 , 273, 302-306	3.9	24
25	Morphological differences in ZnO films deposited by the pyrosol technique: effect of HCl. <i>Thin Solid Films</i> , 1999 , 345, 192-196	2.2	59
24	Comparison of optical and electrical characteristics of SnO ₂ -based thin films deposited by pyrosol from different tin precursors. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 787-789	6	17
23	Ultrasonic assessment of Portland cement at the early stages of hydration. <i>Journal of Materials Science Letters</i> , 1999 , 18, 1335-1337		8
22	Experimental survey of different precursor/solvent pairs for the deposition of tin dioxide by pyrosol. <i>Thin Solid Films</i> , 1998 , 315, 17-21	2.2	10
21	Densification and coarsening of SnO ₂ -based materials containing manganese oxide. <i>Journal of the European Ceramic Society</i> , 1998 , 18, 345-351	6	27
20	Morphology and physical properties of SnO ₂ -based thin films deposited by the pyrosol process from dibutyltindiacetate. <i>Thin Solid Films</i> , 1997 , 292, 145-149	2.2	17
19	Growth of CuInSe_2 , $\text{Cu}(\text{In,Ga})\text{Se}_2$ and $\text{CuIn}(\text{Se,S})_2$ films on SnO ₂ thin film substrates. <i>Thin Solid Films</i> , 1996 , 278, 82-86	2.2	2
18	Pyrosol deposition of fluorine-doped tin dioxide thin films. <i>Journal of Materials Science</i> , 1995 , 30, 53-62	4.3	27
17	Relation between solution chemistry and morphology of SnO ₂ -based thin films deposited by a pyrosol process. <i>Thin Solid Films</i> , 1995 , 266, 20-30	2.2	102
16	Application of pyrosol deposition process for large-area deposition of fluorine-doped tin dioxide thin films. <i>Thin Solid Films</i> , 1994 , 239, 150-155	2.2	20
15	Experimental survey of dopant ions in ZnO: nonlinearity and degradation. <i>Materials Letters</i> , 1994 , 19, 159-164	3.3	2

14	Effect of pH of the Solution on the Deposition of Zinc Oxide Films by Spray Pyrolysis. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 998-1002	3.8	41
13	Inter-relationship between deposition temperature and morphology of SnO ₂ films deposited by a pyrosol process. <i>Thin Solid Films</i> , 1992 , 208, 4-6	2.2	12
12	Additives content in ZnO films prepared by spray pyrolysis. <i>Journal of the European Ceramic Society</i> , 1992 , 9, 447-452	6	5
11	Copper in ZnO films prepared by a pyrosol method: Interrelationship between its content in the film and the chemical nature of precursors. <i>Materials Research Bulletin</i> , 1992 , 27, 303-310	5.1	
10	Effect of oxygen chemisorption on the electrical conductivity of zinc oxide films prepared by a spray pyrolysis method. <i>Journal of the European Ceramic Society</i> , 1991 , 7, 379-383	6	8
9	Voltage-Current Characteristics of a Simple Zinc Oxide Varistor Containing Magnesia. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 1098-1099	3.8	6
8	Deposition of ZnO films on polycrystalline alumina substrates by spray pyrolysis. <i>Journal of the European Ceramic Society</i> , 1990 , 6, 313-316	6	30
7	Bonding of Zirconia and Lanthanum Chromite by Co-firing. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 308-311	3.8	2
6	ac impedance measurements and V-I characteristics for Co-, Mn-, or Bi-doped ZnO. <i>Journal of Applied Physics</i> , 1989 , 65, 5119-5125	2.5	34
5	A model for the preparation of YBa ₂ Cu ₃ O ₇ orthorhombic phase by controlled precipitation of oxalates. <i>Materials Research Bulletin</i> , 1988 , 23, 1273-1283	5.1	34
4	The effect of differential shrinkage in ceramic bonding. <i>Journal of Materials Science Letters</i> , 1986 , 5, 349-352		3
3	Porous ceramic from Moroccan natural phosphate and raw clay for microfiltration applications	83, 277-280	8
2	A comparative study of the thermal behaviour of phosphate washing sludge from Tunisia and Morocco. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	1
1	Geomaterial Foam to Reinforce Wood. <i>Ceramic Engineering and Science Proceedings</i> , 3-10	0.1	13