

Fabienne Farcas

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,002
citations

516710

16
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of UV aging of a Styrene/Butadiene/Styrene modified bitumen: Comparison between laboratory and on site aging. Fuel, 2007, 86, 1446-1451.	6.4	211
2	Ageing by UV radiation of an elastomer modified bitumen. Fuel, 2008, 87, 2408-2419.	6.4	174
3	Potential and limits of FTIR methods for reclaimed asphalt characterisation. Materials and Structures/Materiaux Et Constructions, 2014, 47, 1273-1286.	3.1	133
4	Effectiveness conditions of sodium monofluorophosphate as a corrosion inhibitor for concrete reinforcements. Cement and Concrete Research, 2006, 36, 556-561.	11.0	50
5	Evolution of bituminous mix behaviour submitted to UV rays in laboratory compared to field exposure. Materials and Structures/Materiaux Et Constructions, 2014, 47, 1287-1299.	3.1	44
6	Impact of hemp shiv extractives on hydration of Portland cement. Construction and Building Materials, 2020, 244, 118300.	7.2	41
7	Hydroperoxide build-up in the thermal oxidation of polypropylene – A kinetic study. Polymer Degradation and Stability, 2007, 92, 118-124.	5.8	35
8	Molecular weight distribution of asphaltic paving binders from phase-angle measurements. Road Materials and Pavement Design, 2015, 16, 228-244.	4.0	32
9	Embrittlement of polypropylene fibre during thermal oxidation. Journal of Materials Science, 2008, 43, 1026-1032.	3.7	29
10	Accelerated ageing of polypropylene stabilized by phenolic antioxidants under high oxygen pressure. Journal of Applied Polymer Science, 2008, 110, 3313-3321.	2.6	28
11	Durability of hemp concretes exposed to accelerated environmental aging. Construction and Building Materials, 2020, 252, 119043.	7.2	28
12	Aging of hemp shiv used for concrete. Materials and Design, 2018, 160, 752-762.	7.0	24
13	Accelerated ageing of polypropylene geotextiles, the effect of temperature, oxygen pressure and aqueous media on fibers – Methodological aspects. Geotextiles and Geomembranes, 2008, 26, 71-81.	4.6	21
14	Molecular structure evolution of asphaltite-modified bitumens during ageing; Comparisons with equivalent petroleum bitumens. International Journal of Pavement Research and Technology, 2017, 10, 75-83.	2.6	21
15	Hot Recycling of Bituminous Mixtures. RILEM State-of-the-Art Reports, 2013, , 361-428.	0.7	19
16	Location and evolution of the speciation of vanadium in bitumen and model of reclaimed bituminous mixes during ageing: Can vanadium serve as a tracer of the aged and fresh parts of the reclaimed asphalt pavement mixture?. Fuel, 2012, 102, 423-430.	6.4	18
17	Chemical and Thermal Characterization of Road Bitumen Ageing. Materials Science Forum, 0, 636-637, 273-279.	0.3	17
18	Determination of the sodium monofluorophosphate in a hardened cement paste by ion chromatography. Analytica Chimica Acta, 2002, 472, 37-43.	5.4	14

#	ARTICLE	IF	CITATIONS
19	Bitumen emulsions formulation and destabilisation process relationship: influence of salts addition. Road Materials and Pavement Design, 2015, 16, 330-348.	4.0	14
20	Influence of binder on the multiscale properties of hemp concretes. European Journal of Environmental and Civil Engineering, 2019, 23, 609-625.	2.1	14
21	Bitumen fractionation: Contribution of the individual fractions to the mechanical behavior of road binders. Construction and Building Materials, 2021, 271, 121528.	7.2	12
22	Bitumen Emulsion Destabilization Kinetics: Importance of the Crystallized Wax Content. Langmuir, 2017, 33, 9740-9749.	3.5	5
23	Impact of polyethylene and polypropylene geomembranes in sensitive aquatic environment. Ecotoxicology and Environmental Safety, 2018, 148, 884-891.	6.0	5
24	Modeling the linear viscoelastic behavior of asphaltite-modified bitumens. Rheologica Acta, 2016, 55, 969-981.	2.4	4
25	Ageing Performances of Asphaltite Modified Bitumens; Comparisons with Equivalent Petroleum Bitumens. RILEM Bookseries, 2016, , 89-101.	0.4	3
26	Biobased bitumen analogue formation during hydrothermal treatment of microalgae residues, part 2: Influence of residence time on reaction products. Journal of Analytical and Applied Pyrolysis, 2020, 152, 104940.	5.5	2
27	Compatibility of Plants with a Mineral Binder. , 0, , .		1