

# 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	Bitumen fractionation: Contribution of the individual fractions to the mechanical behavior of road binders. <i>Construction and Building Materials</i> , 2021, 271, 121528.	7.2	12
2	Biobased bitumen analogue formation during hydrothermal treatment of microalgae residues, part 2: Influence of residence time on reaction products. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 152, 104940.	5.5	2
3	Impact of hemp shiv extractives on hydration of Portland cement. <i>Construction and Building Materials</i> , 2020, 244, 118300.	7.2	41
4	Durability of hemp concretes exposed to accelerated environmental aging. <i>Construction and Building Materials</i> , 2020, 252, 119043.	7.2	28
5	Influence of binder on the multiscale properties of hemp concretes. <i>European Journal of Environmental and Civil Engineering</i> , 2019, 23, 609-625.	2.1	14
6	Impact of polyethylene and polypropylene geomembranes in sensitive aquatic environment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 884-891.	6.0	5
7	Aging of hemp shiv used for concrete. <i>Materials and Design</i> , 2018, 160, 752-762.	7.0	24
8	Molecular structure evolution of asphaltite-modified bitumens during ageing; Comparisons with equivalent petroleum bitumens. <i>International Journal of Pavement Research and Technology</i> , 2017, 10, 75-83.	2.6	21
9	Bitumen Emulsion Destabilization Kinetics: Importance of the Crystallized Wax Content. <i>Langmuir</i> , 2017, 33, 9740-9749.	3.5	5
10	Modeling the linear viscoelastic behavior of asphaltite-modified bitumens. <i>Rheologica Acta</i> , 2016, 55, 969-981.	2.4	4
11	Ageing Performances of Asphaltite Modified Bitumens; Comparisons with Equivalent Petroleum Bitumens. <i>RILEM Bookseries</i> , 2016, , 89-101.	0.4	3
12	Molecular weight distribution of asphaltic paving binders from phase-angle measurements. <i>Road Materials and Pavement Design</i> , 2015, 16, 228-244.	4.0	32
13	Bitumen emulsions formulation and destabilisation process relationship: influence of salts addition. <i>Road Materials and Pavement Design</i> , 2015, 16, 330-348.	4.0	14
14	Evolution of bituminous mix behaviour submitted to UV rays in laboratory compared to field exposure. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014, 47, 1287-1299.	3.1	44
15	Potential and limits of FTIR methods for reclaimed asphalt characterisation. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014, 47, 1273-1286.	3.1	133
16	Hot Recycling of Bituminous Mixtures. <i>RILEM State-of-the-Art Reports</i> , 2013, , 361-428.	0.7	19
17	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?. <i>Fuel</i> , 2012, 102, 423-430.	6.4	18
18	Embrittlement of polypropylene fibre during thermal oxidation. <i>Journal of Materials Science</i> , 2008, 43, 1026-1032.	3.7	29

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19	Accelerated ageing of polypropylene stabilized by phenolic antioxidants under high oxygen pressure. Journal of Applied Polymer Science, 2008, 110, 3313-3321.	2.6	28
20	Ageing by UV radiation of an elastomer modified bitumen. Fuel, 2008, 87, 2408-2419.	6.4	174
21	Accelerated ageing of polypropylene geotextiles, the effect of temperature, oxygen pressure and aqueous media on fibersâ€™Methodological aspects. Geotextiles and Geomembranes, 2008, 26, 71-81.	4.6	21
22	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
23	Hydroperoxide build-up in the thermal oxidation of polypropylene â€™ A kinetic study. Polymer Degradation and Stability, 2007, 92, 118-124.	5.8	35
24	Effectiveness conditions of sodium monofluorophosphate as a corrosion inhibitor for concrete reinforcements. Cement and Concrete Research, 2006, 36, 556-561.	11.0	50
25	Determination of the sodium monofluorophosphate in a hardened cement paste by ion chromatography. Analytica Chimica Acta, 2002, 472, 37-43.	5.4	14
26	Chemical and Thermal Characterization of Road Bitumen Ageing. Materials Science Forum, 0, 636-637, 273-279.	0.3	17
27	Compatibility of Plants with a Mineral Binder. , 0, , .		1