

Salvatore Mangiafico

List of Publications by Year in descending order

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papers

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citations

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docs citations

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times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of reclaimed asphalt pavement content on complex modulus of asphalt binder blends and corresponding mixes: experimental results and modelling. Road Materials and Pavement Design, 2013, 14, 132-148.	2.0	75
2	New method to obtain viscoelastic properties of bitumen blends from pure and reclaimed asphalt pavement binder constituents. Road Materials and Pavement Design, 2014, 15, 312-329.	2.0	57
3	Quantification of biasing effects during fatigue tests on asphalt mixes: non-linearity, self-heating and thixotropy. Road Materials and Pavement Design, 2015, 16, 73-99.	2.0	51
4	Effect of colloidal structure of bituminous binder blends on linear viscoelastic behaviour of mixtures containing Reclaimed Asphalt Pavement. Materials and Design, 2016, 111, 126-139.	3.3	51
5	Complex modulus and fatigue performances of bituminous mixtures with reclaimed asphalt pavement and a recycling agent of vegetable origin. Road Materials and Pavement Design, 2017, 18, 315-330.	2.0	31
6	Statistical analysis of the influence of RAP and mix composition on viscoelastic and fatigue properties of asphalt mixes. Materials and Structures/Materiaux Et Constructions, 2015, 48, 1187-1205.	1.3	30
7	Nonlinearity of bituminous mixtures. Mechanics of Time-Dependent Materials, 2018, 22, 29-49.	2.3	21
8	General overview of the time-temperature superposition principle validity for materials containing bituminous binder. International Journal of Roads and Airports, 2011, 1, .	0.5	20
9	Properties of blends of fresh and RAP binders with rejuvenator: Experimental and estimated results. Construction and Building Materials, 2020, 236, 117555.	3.2	18
10	Comparison of different blending combinations of virgin and RAP-extracted binder: Rheological simulations and statistical analysis. Construction and Building Materials, 2019, 197, 454-463.	3.2	15
11	2S2P1D Model Calibration Error from User Panel for One Bitumen and One Bituminous Mixture. Advances in Materials Science and Engineering, 2019, 2019, 1-16.	1.0	14
12	Influence of loading amplitude on viscoelastic properties of bitumen, mastic and bituminous mixtures. Road Materials and Pavement Design, 2019, 20, S780-S796.	2.0	12
13	Relations between Linear ViscoElastic Behaviour of Bituminous Mixtures Containing Reclaimed Asphalt Pavement and Colloidal Structure of Corresponding Binder Blends. Procedia Engineering, 2016, 143, 138-145.	1.2	8
14	Statistical Analysis of Influence of Mix Design Parameters on Mechanical Properties of Mixes with Reclaimed Asphalt Pavement. Transportation Research Record, 2014, 2445, 29-38.	1.0	6
15	Tridimensional linear viscoelastic properties of bituminous mixtures produced with crumb rubber added by dry process. Road Materials and Pavement Design, 2021, 22, 2086-2096.	2.0	6
16	Steady shear viscosity of blends of fresh and RAP binders with rejuvenator: Experimental and estimated results. Construction and Building Materials, 2021, 269, 121236.	3.2	6
17	Behaviour of binder blends: experimental results and modelling from LVE properties of pure binder, RAP binder and rejuvenator. Road Materials and Pavement Design, 2021, 22, S197-S213.	2.0	6
18	Prediction of LVE Behavior of Mixtures Containing RAP from Properties of Base Constituents. Transportation Research Procedia, 2016, 14, 3552-3561.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Rheological properties of fresh and RAP bitumen blends with or without regenerating agent. , 2019, , 13-19.		3
20	Bitumen fatigue performance evaluation - with or without RAP - a real challenge. , 0, , .		2
21	Bituminous Interlayers Thermomechanical Behaviour under Small Shear Strain Loading Cycles with 2T3C Apparatus: Hollow Cylinder and Digital Image Correlation. , 0, , .		2
22	Complex Modulus and Fatigue Resistance of Different Bituminous Binders and Corresponding Mixtures Containing Reclaimed Asphalt Pavement. , 2015, , .		1
23	Estimation of Complex Shear Modulus of Binder Blends Produced with RAP Binder and Rejuvenator. RILEM Bookseries, 2022, , 725-731.	0.2	0
24	Biasing effects (non-linearity, self-heating, thixotropy) occurring during fatigue tests on bituminous mixtures. , 0, , .		0
25	Diffusion Phenomenon between Two Different Bitumens from Mechanical Analysis. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	0