

Salvatore Mangiafico

List of Publications by Year in descending order

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25
papers

440
citations

840119

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docs citations

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331
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Estimation of Complex Shear Modulus of Binder Blends Produced with RAP Binder and Rejuvenator. RILEM Bookseries, 2022, , 725-731. | 0.2 | 0 |
| 2 | Diffusion Phenomenon between Two Different Bitumens from Mechanical Analysis. Journal of Materials in Civil Engineering, 2022, 34, . | 1.3 | 0 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Properties of blends of fresh and RAP binders with rejuvenator: Experimental and estimated results. Construction and Building Materials, 2020, 236, 117555. | 3.2 | 18 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Rheological properties of fresh and RAP bitumen blends with or without regenerating agent. , 2019, , 13-19. | | 3 |
| 11 | Nonlinearity of bituminous mixtures. Mechanics of Time-Dependent Materials, 2018, 22, 29-49. | 2.3 | 21 |
| 12 | 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 |
| 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 | 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 |
| 15 | Prediction of LVE Behavior of Mixtures Containing RAP from Properties of Base Constituents. Transportation Research Procedia, 2016, 14, 3552-3561. | 0.8 | 5 |
| 16 | Complex Modulus and Fatigue Resistance of Different Bituminous Binders and Corresponding Mixtures Containing Reclaimed Asphalt Pavement. , 2015, , . | | 1 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Bitumen fatigue performance evaluation - with or without RAP - a real challenge. , 0, , . | | 2 |
| 24 | Biasing effects (non-linearity, self-heating, thixotropy) occurring during fatigue tests on bituminous mixtures. , 0, , . | | 0 |
| 25 | Bituminous Interlayers Thermomechanical Behaviour under Small Shear Strain Loading Cycles with 2T3C Apparatus: Hollow Cylinder and Digital Image Correlation. , 0, , . | | 2 |