Armelle Chabot

List of Publications by Year
in descending order

28 papers	470 citations	759233 12 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	255 citing authors

#	Article	IF	Citations
1	Development of an In Situ Measurement Device for Airfield Pavement Interface Characterization. Journal of Testing and Evaluation, 2022, 50, 20210211.	0.7	1
2	Design of Reinforced Pavements with Glass Fiber Grids: From Laboratory Evaluation of the Fatigue Life to Accelerated Full-Scale Test. Lecture Notes in Civil Engineering, 2020, , 329-338.	0.4	3
3	Simulation of Damage Scenarios in a Bituminous Pavement Tested Under FABAC ALT Using M4-5n. Lecture Notes in Civil Engineering, 2020, , 389-398.	0.4	2
4	2D Multilayer solution for an electrified road with a built-in charging box. Road Materials and Pavement Design, 2019, 20, S590-S603.	4.0	8
5	Mixed FEM for solving a plate type model intended for analysis of pavements with discontinuities. Road Materials and Pavement Design, 2018, 19, 496-510.	4.0	6
6	A half-analytical elastic solution for 2D analysis of cracked pavements. Advances in Engineering Software, 2018, 117, 107-122.	3.8	6
7	Interface Debonding Behavior. RILEM State-of-the-Art Reports, 2018, , 103-153.	0.7	9
8	Recommendation of RILEM TC 241-MCD on interface debonding testing in pavements. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	18
9	A 4pt bending bond test approach to evaluate water effect in a composite beam. European Journal of Environmental and Civil Engineering, 2017, 21, 54-69.	2.1	13
10	Mechanisms of cracking and debonding in pavements. European Journal of Environmental and Civil Engineering, 2017, 21, 1-2.	2.1	16
11	Characterization of the bond between asphalt layers and glass grid layer with help of a wedge splitting test. , 2017, , 1517-1524.		2
12	M4-5n Numerical Solution Using the Mixed FEM, Validation Against the Finite Difference Method. RILEM Bookseries, 2016, , 363-369.	0.4	2
13	Determination of an equivalent elastic system to a multilayer viscoelastic structure: Application to the case of thick flexible pavement. , 2014, , 797-804.		2
14	Evaluation of the structure-induced rolling resistance (SRR) for pavements including viscoelastic material layers. Materials and Structures/Materiaux Et Constructions, 2013, 46, 683-696.	3.1	37
15	Mechanical analysis of a mixed mode debonding test for â€œcompositeâ€•pavements. Construction and Building Materials, 2013, 40, 1076-1087.	7.2	27
16	Full Scale Tests on Grid Reinforced Flexible Pavements on the French Fatigue Carrousel. RILEM Bookseries, 2012, , 1251-1260.	0.4	4
17	A Four-Point Bending Test for the Bonding Evaluation of Composite Pavement. RILEM Bookseries, 2012, , 51-60.	0.4	9
18	Experimental and Theoretical Investigation of Three Dimensional Strain Occurring Near the Surface in Asphalt Concrete Layers. RILEM Bookseries, 2012, , 1017-1027.	0.4	9

#	ARTICLE	IF	CITATIONS
19	Evaluation of the aggressiveness of different multi-axle loads using accelerated pavement tests. , 2012, , 505-517.		6
20	Effects of accelerating and decelerating tramway loads on bituminous pavement. Materials and Structures/Materiaux Et Constructions, 2010, 43, 1257-1269.	3.1	23
21	Influence of sliding interfaces on the response of a layered viscoelastic medium under a moving load. International Journal of Solids and Structures, 2010, 47, 3435-3446.	2.7	42
22	ViscoRoute 2.0 A. Road Materials and Pavement Design, 2010, 11, 227-250.	4.0	37
23	ViscoRoute 2.0 A Tool for the Simulation of Moving Load Effects on Asphalt Pavement. Road Materials and Pavement Design, 2010, 11, 227-250.	4.0	40
24	FABAC accelerated loading test of bond between cement overlay and asphalt layers. , 2008, , .		6
25	Multi-particle modelling for the prediction of delamination in multi-layered materials. Composites Science and Technology, 2006, 66, 755-765.	7.8	40
26	Continuum Damage Approach to Asphalt Concrete Fatigue Modeling. Journal of Engineering Mechanics - ASCE, 2004, 130, 700-708.	2.9	58
27	Interlaminar stress analysis with a new Multiparticle modelization of Multilayered Materials (M4). Composites Science and Technology, 1998, 58, 337-343.	7.8	31
28	Two-Dimensional Software for Analysing Mechanical Fields in Elastic Cracked Pavements. , 0, , .		1