

# Matteo Miani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1243945/publications.pdf>

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papers

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#	ARTICLE	IF	CITATIONS
1	Stiffness Modulus and Marshall Parameters of Hot Mix Asphalts: Laboratory Data Modeling by Artificial Neural Networks Characterized by Cross-Validation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3502.	2.5	31
2	A Machine Learning Approach to Determine Airport Asphalt Concrete Layer Moduli Using Heavy Weight Deflectometer Data. <i>Sustainability</i> , 2021, 13, 8831.	3.2	17
3	Stiffness Data of High-Modulus Asphalt Concretes for Road Pavements: Predictive Modeling by Machine-Learning. <i>Coatings</i> , 2022, 12, 54.	2.6	13
4	Bituminous Mixtures Experimental Data Modeling Using a Hyperparameters-Optimized Machine Learning Approach. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11710.	2.5	9
5	Drivers' Braking Behavior Affected by Cognitive Distractions: An Experimental Investigation with a Virtual Car Simulator. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2020, 10, 150.	2.1	8
6	Mechanical Characterization of Industrial Waste Materials as Mineral Fillers in Asphalt Mixes: Integrated Experimental and Machine Learning Analysis. <i>Sustainability</i> , 2022, 14, 5946.	3.2	6
7	Young drivers' pedestrian anti-collision braking operation data modelling for ADAS development. <i>Transportation Research Procedia</i> , 2022, 60, 432-439.	1.5	3
8	Numerical Characterization of High Modulus Asphalt Concrete Containing RAP: A Comparison among Optimized Shallow Neural Models. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 960, 022083.	0.6	2
9	Artificial Neural Network Prediction of Airport Pavement Moduli Using Interpolated Surface Deflection Data. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1203, 022112.	0.6	2
10	Surrogate Safety Measures Prediction at Multiple Timescales in V2P Conflicts Based on Gated Recurrent Unit. <i>Sustainability</i> , 2021, 13, 9681.	3.2	1
11	Road Pavement Asphalt Concretes for Thin Wearing Layers: A Machine Learning Approach towards Stiffness Modulus and Volumetric Properties Prediction. <i>Periodica Polytechnica: Civil Engineering</i> , 0, , .	0.6	1
12	Effects of Cognitive Distraction on Driver's Stopping Behaviour: A Virtual Car Driving Simulator Study. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 960, 022082.	0.6	0
13	Performance Prediction of Fine-Grained Asphalt Concretes with Different Quarry Fillers by Machine Learning Approaches. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1203, 022113.	0.6	0