Giuseppe Sollazzo

List of Publications by Year
in descending order

22 papers	351 citations	1040056 9 h-index	839539 18 g-index
24 all docs	24 docs citations	24 times ranked	271 citing authors

#	ARTICLE	IF	CITATIONS
1	An ANN model to correlate roughness and structural performance in asphalt pavements. Construction and Building Materials, 2017, 134, 684-693.	7.2	97
2	Hybrid Procedure for Automated Detection of Cracking with 3D Pavement Data. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	49
3	An ensemble learning model for asphalt pavement performance prediction based on gradient boosting decision tree. International Journal of Pavement Engineering, 2022, 23, 3633-3646.	4.4	31
4	How is the Driver's Workload Influenced by the Road Environment?. Procedia Engineering, 2017, 187, 5-13.	1.2	26
5	Automatic Segmentation and Enhancement of Pavement Cracks Based on 3D Pavement Images. Journal of Advanced Transportation, 2019, 2019, 1-9.	1.7	25
6	Using Genetic Algorithms for Optimizing the PPC in the Highway Horizontal Alignment Design. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	19
7	Laboratory and in-situ tests for estimating improvements in asphalt concrete with the addition of an LDPE and EVA polymeric compound. Construction and Building Materials, 2019, 196, 714-726.	7.2	19
8	Impact Analysis Using Life Cycle Assessment of Asphalt Production from Primary Data. Sustainability, 2020, 12, 10171.	3.2	19
9	Pavement condition information modelling in an I-BIM environment. International Journal of Pavement Engineering, 2022, 23, 4803-4818.	4.4	14
10	Primary Data Collection and Environmental/Energy Audit of Hot Mix Asphalt Production. Energies, 2020, 13, 2045.	3.1	9
11	Optimizing Artificial Neural Networks For The Evaluation Of Asphalt Pavement Structural Performance. Baltic Journal of Road and Bridge Engineering, 2019, 14, 58-79.	0.8	9
12	A web platform for the management of road survey and maintenance information: A preliminary step towards smart road management systems. Structural Control and Health Monitoring, 2022, 29, .	4.0	9
13	An automatic pothole detection algorithm using pavement 3D data. International Journal of Pavement Engineering, 2023, 24, .	4.4	8
14	Potentialities of a Highway Alignment Optimization Method in an I-BIM Environment. Periodica Polytechnica: Civil Engineering, 2019, , .	0.6	5
15	Time Reduction for Completion of a Civil Engineering Construction Using Fuzzy Clustering Techniques. Periodica Polytechnica Transportation Engineering, 2017, 45, 25.	1.2	3
16	Project Duration Evaluated Using Affine Arithmetic. Periodica Polytechnica: Civil Engineering, 0, , .	0.6	3
17	Automatic Crack Detection Results Using a Novel Device for Survey and Analysis of Road Pavement Condition. Lecture Notes in Civil Engineering, 2020, , 431-440.	0.4	2
18	ANALYSIS OF DIFFERENT VISUAL STRATEGIES OF â€˜ISOLATED VEHICLEâ€™ AND â€˜DISTURBED VEHICLEâ€™. Transport, 2018, 33, 853-860.	1.2	1

#	Article	IF	Citations
19	Road Functional Classification Using Pattern Recognition Techniques. Baltic Journal of Road and Bridge Engineering, 2019, 14, 360-383.	0.8	1
20	Innovative smart road management systems in the urban context: Integrating smart sensors and miniaturized sensing systems. Structural Control and Health Monitoring, 2022, 29, .	4.0	1
21	Corrigendum to â€œAutomatic Segmentation and Enhancement of Pavement Cracks Based on 3D Pavement Imagesâ€. Journal of Advanced Transportation, 2020, 2020, 1-1.	1.7	0
22	Effects of Road Marking Visibility on Vehicles Driving Along Curves: A Preliminary Study in a Simulated Environment. Transportation Research Record, 0, , 036119812210970.	1.9	0