Orhan Kaya

List of Publications by Year
in descending order

17 papers	83 citations	1684188 5 h-index	1588992 8 g-index
18 all docs	18 docs citations	18 times ranked	66 citing authors

#	Article	IF	Citations
1	Development of rapid three-dimensional finite-element based rigid airfield pavement foundation response and moduli prediction models. Transportation Geotechnics, 2017, 13, 81-91.	4.5	15
2	Statistics and Artificial Intelligence-Based Pavement Performance and Remaining Service Life Prediction Models for Flexible and Composite Pavement Systems. Transportation Research Record, 2020, 2674, 448-460.	1.9	14
3	Investigation of Longitudinal Cracking in Widened Concrete Pavements. Baltic Journal of Road and Bridge Engineering, 2020, 15, 211-231.	0.8	9
4	Neural Networkâ€“Based Multiple-Slab Response Models for Top-Down Cracking Mode in Airfield Pavement Design. Journal of Transportation Engineering Part B: Pavements, 2018, 144, 04018009.	1.5	8
5	Sensitivity quantification of airport concrete pavement stress responses associated with top-down and bottom-up cracking. International Journal of Pavement Research and Technology, 2017, 10, 410-420.	2.6	7
6	Development of Artificial Neural Networks Based Predictive Models for Dynamic Modulus of Airfield Pavement Asphalt Mixtures. , 2018, , .		5
7	Numerical analysis of longitudinal cracking in widened jointed plain concrete pavement systems. International Journal of Pavement Research and Technology, 2019, 12, 277-287.	2.6	5
8	Use of GRP Pipe Waste Powder as a Filler Replacement in Hot-Mix Asphalt. Materials, 2020, 13, 4630.	2.9	4
9	ANNFAA: artificial neural network-based tool for the analysis of Federal Aviation Administrationâ€™s rigid pavement systems. International Journal of Pavement Engineering, 2022, 23, 400-413.	4.4	4
10	Artificial Neural Network Models for Airport Rigid Pavement Top-Down Critical Stress Predictions: Sensitivity Evaluation. , 2019, , .		3
11	Sensitivity Analysis of New Reflective Cracking Model in Pavement Mechanistic-Empirical Design. , 2020, , .		2
12	Sensitivity Index comparison of pavement mechanistic-empirical design input variables to reflective cracking model for different climatic zones. Road Materials and Pavement Design, 2021, 22, 2232-2247.	4.0	2
13	Alternative Approaches to the Local Calibration of AASHTOWare Pavement ME Design Jointed Plain Concrete Pavement (JPCP) Smoothness Models. , 2016, , .		1
14	Long-term performance evaluation of Iowa concrete overlays. International Journal of Pavement Engineering, 2020, , 1-12.	4.4	1
15	Alternative Approaches to Determining Robust ANN Based Models for Predicting Critical Airport Rigid Pavement Responses. , 2017, , .		0
16	Evaluation of the Federal Aviation Administrationâ€™s Rigid Airfield Pavement Cracking Failure Models. Journal of Transportation Engineering Part B: Pavements, 2022, 148, .	1.5	0
17	Iowa Experience on Local Calibration of AASHTOWare Pavement ME Design (PMED) for Jointed Plain Concrete Pavements. , 0, , .		0