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## A NEURAL NETWORK NOISE PREDICTION MODEL FOR TEHRAN URBAN ROADS

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Journal of Environmental Engineering and Landscape Management, 2018, 26, 88-97.

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#	Paper	IF	Citations
16	Developing Machine Learning Models to Predict Roadway Traffic Noise: An Opportunity to Escape Conventional Techniques. <i>Transportation Research Record</i> , <b>2019</b> , 2673, 158-172	1.7	7
15	Artificial intelligence based ensemble model for prediction of vehicular traffic noise. <i>Environmental Research</i> , <b>2020</b> , 180, 108852	7.9	32
14	An emotional artificial neural network for prediction of vehicular traffic noise. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 136134	10.2	33
13	Earthquake risk assessment using an integrated Fuzzy Analytic Hierarchy Process with Artificial Neural Networks based on GIS: A case study of Sanandaj in Iran. <i>International Journal of Disaster Risk Reduction</i> , <b>2020</b> , 50, 101705	4.5	35
12	Modelling traffic noise in a wide gradient interval using artificial neural networks. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 42, 3561-3571	2.6	0
11	Sound Levels Forecasting in an Acoustic Sensor Network Using a Deep Neural Network. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
10	Statistical Road-Traffic Noise Mapping Based on Elementary Urban Forms in Two Cities of South Korea. <i>Sustainability</i> , <b>2021</b> , 13, 2365	3.6	5
9	Traffic Noise Prediction Applying Multivariate Bi-Directional Recurrent Neural Network. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2714	2.6	9
8	Cluster Analysis of Urban Acoustic Environments on Barcelona Sensor Network Data. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
7	A probability distribution prediction method for expressway traffic noise. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2022</b> , 103, 103175	6.4	1
6	Application of random walk algorithm into finite element numerical groundwater model for capture zone depiction. <i>Sustainable Water Resources Management</i> , <b>2022</b> , 8,	1.9	0
5	Feature selection approach for failure mode detection of reinforced concrete bridge columns. <b>2022</b> , 17, e01383		0
4	Model for Determining Noise Level Depending on Traffic Volume at Intersections. <b>2022</b> , 14, 12443		0
3	(AI) in Infrastructure Projects Gap Study. <b>2022</b> , 7, 137		0
2	Modelling of traffic noise in the vicinity of urban road intersections. <b>2022</b> , 112, 103474		2
1	Predicting highly dynamic traffic noise using rotating mobile monitoring and machine learning method. <b>2023</b> , 115896		0