

Mahmoud Owais

List of Publications by Citations

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

226
citations

9
h-index

14
g-index

23
ext. papers

295
ext. citations

3.4
avg, IF

4.41
L-index

#	Paper	IF	Citations
18	Complete hierarchical multi-objective genetic algorithm for transit network design problem. <i>Expert Systems With Applications</i> , 2018 , 114, 143-154	7.8	52
17	Multi-Objective Transit Route Network Design as Set Covering Problem. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 670-679	6.1	33
16	Robust Deep Learning Architecture for Traffic Flow Estimation from a Subset of Link Sensors. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020 , 146, 04019055	1.5	17
15	Sensor location model for O/D estimation: Multi-criteria meta-heuristics approach. <i>Operations Research Perspectives</i> , 2019 , 6, 100100	2.1	16
14	Pre-trained deep learning for hot-mix asphalt dynamic modulus prediction with laboratory effort reduction. <i>Construction and Building Materials</i> , 2020 , 265, 120239	6.7	13
13	Location Strategy for Traffic Emission Remote Sensing Monitors to Capture the Violated Emissions. <i>Journal of Advanced Transportation</i> , 2019 , 2019, 1-9	1.9	12
12	Pareto Optimal Path Generation Algorithm in Stochastic Transportation Networks. <i>IEEE Access</i> , 2020 , 8, 58970-58981	3.5	11
11	Incorporating Dynamic Bus Stop Simulation into Static Transit Assignment Models. <i>International Journal of Civil Engineering</i> , 2018 , 16, 67-77	1.9	11
10	Distributing Portable Excess Speed Detectors in AL Riyadh City. <i>International Journal of Civil Engineering</i> , 2020 , 18, 1301-1314	1.9	9
9	When to Decide to Convert a Roundabout to a Signalized Intersection: Simulation Approach for Case Studies in Jeddah and Al-Madinah. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 7897-7914	2.5	8
8	Simple and Effective Solution Methodology for Transit Network Design Problem. <i>International Journal of Computer Applications</i> , 2014 , 89, 32-40	1.1	8
7	Issues Related to Transit Network Design Problem. <i>International Journal of Computer Applications</i> , 2015 , 120, 40-45	1.1	7
6	Modeling Hot-Mix asphalt dynamic modulus using deep residual neural Networks: Parametric and sensitivity analysis study. <i>Construction and Building Materials</i> , 2021 , 294, 123589	6.7	7
5	Integrating underground line design with existing public transportation systems to increase transit network connectivity: Case study in Greater Cairo. <i>Expert Systems With Applications</i> , 2021 , 167, 114183	7.8	6
4	Design scheme of multiple-subway lines for minimizing passengers transfers in mega-cities transit networks. <i>International Journal of Rail Transportation</i> , 2020 , 1-24	2.1	5
3	A factorization scheme for observability analysis in transportation networks. <i>Expert Systems With Applications</i> , 2021 , 174, 114727	7.8	5
2	An Optimal Metro Design for Transit Networks in Existing Square Cities Based on Non-Demand Criterion. <i>Sustainability</i> , 2020 , 12, 9566	3.6	3

- 1 Variance-based global sensitivity analysis for rear-end crash investigation using deep learning. *Accident Analysis and Prevention*, **2021**, 165, 106514 6.1 1