Mahmoud Owais

List of Publications by Year
in descending order

23 papers	443 citations	623699 14 h-index	713444 21 g-index
23 all docs	23 docs citations	23 times ranked	195 citing authors

#	Article	IF	Citations
1	Complete hierarchical multi-objective genetic algorithm for transit network design problem. Expert Systems With Applications, 2018, 114, 143-154.	7.6	80
2	Multi-Objective Transit Route Network Design as Set Covering Problem. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 670-679.	8.0	46
3	Pre-trained deep learning for hot-mix asphalt dynamic modulus prediction with laboratory effort reduction. Construction and Building Materials, 2020, 265, 120239.	7.2	32
4	Pareto Optimal Path Generation Algorithm in Stochastic Transportation Networks. IEEE Access, 2020, 8, 58970-58981.	4.2	27
5	Sensor location model for O/D estimation: Multi-criteria meta-heuristics approach. Operations Research Perspectives, 2019, 6, 100100.	2.1	24
6	Robust Deep Learning Architecture for Traffic Flow Estimation from a Subset of Link Sensors. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	1.4	24
7	When to Decide to Convert a Roundabout to a Signalized Intersection: Simulation Approach for Case Studies in Jeddah and Al-Madinah. Arabian Journal for Science and Engineering, 2020, 45, 7897-7914.	3.0	21
8	Modeling Hot-Mix asphalt dynamic modulus using deep residual neural Networks: Parametric and sensitivity analysis study. Construction and Building Materials, 2021, 294, 123589.	7.2	21
9	Traffic sensor location problem: Three decades of research. Expert Systems With Applications, 2022, 208, 118134.	7.6	20
10	Location Strategy for Traffic Emission Remote Sensing Monitors to Capture the Violated Emissions. Journal of Advanced Transportation, 2019, 2019, 1-9.	1.7	18
11	Incorporating Dynamic Bus Stop Simulation into Static Transit Assignment Models. International Journal of Civil Engineering, 2018, 16, 67-77.	2.0	17
12	Integrating underground line design with existing public transportation systems to increase transit network connectivity: Case study in Greater Cairo. Expert Systems With Applications, 2021, 167, 114183.	7.6	17
13	A factorization scheme for observability analysis in transportation networks. Expert Systems With Applications, 2021, 174, 114727.	7.6	17
14	Variance-based global sensitivity analysis for rear-end crash investigation using deep learning. Accident Analysis and Prevention, 2022, 165, 106514.	5.7	17
15	Distributing Portable Excess Speed Detectors in AL Riyadh City. International Journal of Civil Engineering, 2020, 18, 1301-1314.	2.0	13
16	Design scheme of multiple-subway lines for minimizing passengers transfers in mega-cities transit networks. International Journal of Rail Transportation, 2021, 9, 540-563.	2.7	10
17	Simple and Effective Solution Methodology for Transit Network Design Problem. International Journal of Computer Applications, 2014, 89, 32-40.	0.2	10
18	Issues Related to Transit Network Design Problem. International Journal of Computer Applications, 2015, 120, 40-45.	0.2	10

#	Article	IF	Citations
19	An Optimal Metro Design for Transit Networks in Existing Square Cities Based on Non-Demand Criterion. Sustainability, 2020, 12, 9566.	3.2	9
20	Frequency Based Transit Assignment Models: Graph Formulation Study. IEEE Access, 2022, 10, 62991-63003.	4.2	4
21	OPTIMAL CIRCULAR BUS ROUTES PLANNING FOR TRANSIT NETWORK DESIGN PROBLEM IN URBAN AREAS. JES Journal of Engineering Sciences, 2013, 41, 1447-1466.	0.1	3
22	OPTIMAL FREQUENCY SETTING FOR CIRCULAR BUS ROUTES IN URBAN AREAS. JES Journal of Engineering Sciences, 2013, 41, 1796-1811.	0.1	2
23	EVALUATION AND ANALYSIS OF URBAN PASSENGERS TRANSPORT MODES OPERATION PERFORMANCE & EFFICIENCY. JES Journal of Engineering Sciences, 2011, 39, 283-299.	0.1	1