

# Ghada S Moussa

## List of Publications by Year in Descending Order

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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.

20  
papers

205  
citations

8  
h-index

13  
g-index

25  
ext. papers

258  
ext. citations

3.5  
avg. IF

3.96  
L-index

#	Paper	IF	Citations
20	Waste nanomaterial-modified asphalt for economic and sustainable pavement construction. <i>Innovative Infrastructure Solutions</i> , <b>2022</b> , 7, 1	2.3	0
19	Variance-based global sensitivity analysis for rear-end crash investigation using deep learning. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 165, 106514	6.1	1
18	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> , <b>2021</b> , 167, 114183	7.8	6
17	Effect of Nanoclay Particles on the Performance of High-Density Polyethylene-Modified Asphalt Concrete Mixture. <i>Polymers</i> , <b>2021</b> , 13,	4.5	7
16	Modeling Hot-Mix asphalt dynamic modulus using deep residual neural Networks: Parametric and sensitivity analysis study. <i>Construction and Building Materials</i> , <b>2021</b> , 294, 123589	6.7	7
15	Robust Deep Learning Architecture for Traffic Flow Estimation from a Subset of Link Sensors. <i>Journal of Transportation Engineering Part A: Systems</i> , <b>2020</b> , 146, 04019055	1.5	17
14	Pre-trained deep learning for hot-mix asphalt dynamic modulus prediction with laboratory effort reduction. <i>Construction and Building Materials</i> , <b>2020</b> , 265, 120239	6.7	13
13	An Optimal Metro Design for Transit Networks in Existing Square Cities Based on Non-Demand Criterion. <i>Sustainability</i> , <b>2020</b> , 12, 9566	3.6	3
12	Design scheme of multiple-subway lines for minimizing passengers transfers in mega-cities transit networks. <i>International Journal of Rail Transportation</i> , <b>2020</b> , 1-24	2.1	5
11	Sensor location model for O/D estimation: Multi-criteria meta-heuristics approach. <i>Operations Research Perspectives</i> , <b>2019</b> , 6, 100100	2.1	16
10	A Comprehensive Study of the Effect of Spatial Resolution and Color of Digital Images on Vehicle Classification. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 1181-1190	6.1	13
9	Multi-Objective Transit Route Network Design as Set Covering Problem. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2016</b> , 17, 670-679	6.1	33
8	ON-ROAD VEHICLE CLASSIFICATION BASED ON RANDOM NEURAL NETWORK AND BAG-OF-VISUAL WORDS. <i>Probability in the Engineering and Informational Sciences</i> , <b>2016</b> , 30, 403-412	0.6	10
7	Simple and Effective Solution Methodology for Transit Network Design Problem. <i>International Journal of Computer Applications</i> , <b>2014</b> , 89, 32-40	1.1	8
6	Augmented Reality Experiment: Drivers Behavior at an Unsignalized Intersection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2013</b> , 14, 608-617	6.1	12
5	Augmented Reality Vehicle system: Left-turn maneuver study. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2012</b> , 21, 1-16	8.4	36
4	Automatic vehicle classification system using range sensor <b>2005</b> ,		6

- 3 No-capture hardware feature for securing sensitive information **2005**, 1
- 2 Laser intensity vehicle classification system based on random neural network **2005**, 8
- 1 Steel-Free FRP Composite Deck System **2004**, 396