

Ankit Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

887
citations

567281

15
h-index

526287

27
g-index

54
all docs

54
docs citations

54
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive traffic signal control for developing countries using fused parameters derived from crowd-source data. <i>Transportation Letters</i> , 2023, 15, 296-307.	3.1	2
2	Evaluation of driver Acceleration/Deceleration behavior at signalized intersections using vehicle trajectory data. <i>Transportation Letters</i> , 2023, 15, 350-362.	3.1	10
3	Effect of analysis procedure and sample geometry on the fatigue life results of asphalt mastics from linear amplitude sweep test. <i>Mechanics of Time-Dependent Materials</i> , 2023, 27, 1097-1121.	4.4	4
4	Performance evaluation of bauxite residue modified asphalt concrete mixes. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 978-994.	2.1	14
5	An optimised approach for saturation flow estimation of signalised intersections. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2022, 175, 137-149.	0.6	7
6	Analysing the influence of industrial waste fillers on the ageing susceptibility of asphalt concrete. <i>International Journal of Pavement Engineering</i> , 2022, 23, 3906-3919.	4.4	4
7	Two-Step Optimization Model for Evaluating the Saturation Flow Rate under the Impact of Small-Sized Vehicles. <i>Journal of Transportation Engineering Part A: Systems</i> , 2022, 148, .	1.4	4
8	Contribution of mineral filler to the fatigue damage behaviour of bituminous mastic. <i>Construction and Building Materials</i> , 2022, 334, 127120.	7.2	5
9	Comparing different fatigue test methods at asphalt mastic level. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, .	3.1	7
10	Potential utilization of construction wastes in asphalt pavements as fillers using ranking framework. <i>Construction and Building Materials</i> , 2021, 277, 122262.	7.2	16
11	Evaluation of engineering, economic and environmental suitability of waste filler incorporated asphalt mixes and pavements. <i>Road Materials and Pavement Design</i> , 2021, 22, S624-S640.	4.0	17
12	Non-Linear Evaluation Model to Analyze Saturation Flow under Weak-Lane-Disciplined Mixed Traffic Stream. <i>Transportation Research Record</i> , 2021, 2675, 422-431.	1.9	7
13	Speed distribution for interrupted flow facility under mixed traffic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 570, 125798.	2.6	13
14	Introduction of a New Parameter to Quantify the Fatigue Damage in Asphalt Mastics and Asphalt Binder. <i>Coatings</i> , 2021, 11, 828.	2.6	4
15	Review of Factors Controlling Skid Resistance at Tire-Pavement Interface. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-16.	0.7	9
16	Utilization of Waste Glass Powder and Glass Composite Fillers in Asphalt Pavements. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-17.	0.7	13
17	Effect of filler on the bitumen-aggregate adhesion in asphalt mix. <i>International Journal of Pavement Engineering</i> , 2020, 21, 1482-1490.	4.4	35
18	Use of dimension limestone sludge as filler in asphalt mix. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2020, , 1-11.	1.1	5

#	ARTICLE	IF	CITATIONS
19	A review of methodological approaches for saturation flow estimation at signalized intersections. Canadian Journal of Civil Engineering, 2020, 47, 237-247.	1.3	10
20	Utilization of solid waste materials as alternative fillers in asphalt mixes: A review. Construction and Building Materials, 2020, 234, 117271.	7.2	107
21	Assessing urban sidewalk networks based on three constructs: a synthesis of pedestrian level of service literature. Transport Reviews, 2020, 40, 204-240.	8.8	28
22	Feasible utilization of waste limestone sludge as filler in bituminous concrete. Construction and Building Materials, 2020, 239, 117781.	7.2	32
23	Microsimulation-based framework to analyse urban signalised intersection in mixed traffic. Proceedings of the Institution of Civil Engineers: Transport, 2020, , 1-13.	0.6	6
24	Assessing the effect of fillers on LVE properties of asphalt mastics at intermediate temperatures. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	3.1	12
25	Comparative analysis of saturation flow using various PCU estimation methods. Transportation Research Procedia, 2020, 48, 3153-3162.	1.5	4
26	Queue-Based Headway Distribution Models at Signal Controlled Intersection under Mixed Traffic. Transportation Research Record, 2020, 2674, 768-778.	1.9	11
27	Analysis and Comparison of Asphalt Mixes Containing Waste Fillers Using a Novel Ranking Methodology. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	16
28	Comparative Analysis of Saturation Flow Using Various PCU Estimation Methods. Lecture Notes in Civil Engineering, 2020, , 151-164.	0.4	0
29	Effect of Waste Fillers on the Rutting and Fatigue Behavior of Asphalt Mastic and Mixes. Lecture Notes in Civil Engineering, 2020, , 385-395.	0.4	0
30	Performance evaluation of asphalt concrete mixes having copper industry waste as filler. Transportation Research Procedia, 2020, 48, 3656-3667.	1.5	2
31	Assessment of Saturation Flow at Signalized Intersections: A Synthesis of Global Perspective and Future Directions. Current Science, 2020, 119, 32.	0.8	4
32	Discharge Characteristics Analysis of Queued-up Vehicles at Signal-Controlled Intersections Under Heterogeneous Traffic Conditions. International Journal of Civil Engineering, 2019, 17, 619-628.	2.0	14
33	Optimal proportioning of grout constituents using mathematical programming for semi flexible pavement. International Journal of Pavement Research and Technology, 2019, 12, 297-306.	2.6	15
34	Development of hierarchical ranking strategy for the asphalt skeleton in semi-flexible pavement. Construction and Building Materials, 2019, 201, 149-158.	7.2	33
35	Comparative emission study by real-time congestion monitoring for stable pollution policy on temporal and meso-spatial regions in Delhi. Journal of Cleaner Production, 2019, 224, 465-478.	9.3	13
36	Assessment of Vehicles Headway during Queue Dissipation at Signal-Controlled Intersection under Mixed Traffic. Current Science, 2019, 116, 437.	0.8	14

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37	Congestion Adaptive Traffic Light Control and Notification Architecture Using Google Maps APIs. Data, 2018, 3, 67.	2.3	18
38	Ranking the Rheological Response of SBS- and EVA-Modified Bitumen Using MSCR and LAS Tests. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	52
39	Application of waste materials as fillers in bituminous mixes. Waste Management, 2018, 78, 417-425.	7.4	84
40	Modelling U-Turning Behaviour of Vehicles at Mid-Block Median Openings in Multilane Urban Roads. Current Science, 2018, 114, 1461.	0.8	3
41	Estimation of passenger car unit for heterogeneous traffic stream of urban arterials: case study of Kolkata. Transportation Letters, 2017, , 1-13.	3.1	15
42	Effect of Gradient on Pedestrian Flow Characteristics Under Mixed Flow Conditions. Transportation Research Procedia, 2017, 25, 4720-4732.	1.5	3
43	Investigation of adolescent accident predictive variables in hilly regions. International Journal of Injury Control and Safety Promotion, 2016, 23, 291-301.	2.0	6
44	Critical Pavement Response Analysis of Low-Volume Pavements considering Nonlinear Behavior of Materials. Transportation Research Record, 2015, 2474, 3-11.	1.9	7
45	Factors affecting road crash modeling. Journal of Transport Literature, 2015, 9, 15-19.	0.3	23
46	Pedestrian Flow Characteristics Studies: A Review. Transport Reviews, 2015, 35, 445-465.	8.8	22
47	Mechanisticâ€“empirical approach for design of low volume pavements. International Journal of Pavement Engineering, 2015, 16, 797-808.	4.4	22
48	Critical review of flexible pavement performance models. KSCE Journal of Civil Engineering, 2014, 18, 142-148.	1.9	27
49	Effect of FRP wrapping on axial behavior of concrete and cyclic behavior of external RC beam column joints. KSCE Journal of Civil Engineering, 2014, 18, 566-573.	1.9	22
50	Comparative Structural Analysis of Flexible Pavements Using Finite Element Method. International Journal on Pavement Engineering & Asphalt Technology, 2014, 15, 11-19.	0.4	14
51	PEDESTRIAN CROSSING BEHAVIOUR ANALYSIS AT INTERSECTIONS. International Journal for Traffic and Transport Engineering, 2014, 4, 103-116.	0.4	68
52	Analytical Investigations on Short-Paneled Concrete Pavements Using Finite Element Analysis. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 0, , 1.	1.9	1