

Ankit Gupta

List of Publications by Year in descending order

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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	Utilization of solid waste materials as alternative fillers in asphalt mixes: A review. Construction and Building Materials, 2020, 234, 117271.	7.2	107
2	Application of waste materials as fillers in bituminous mixes. Waste Management, 2018, 78, 417-425.	7.4	84
3	PEDESTRIAN CROSSING BEHAVIOUR ANALYSIS AT INTERSECTIONS. International Journal for Traffic and Transport Engineering, 2014, 4, 103-116.	0.4	68
4	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
5	Effect of filler on the bitumen-aggregate adhesion in asphalt mix. International Journal of Pavement Engineering, 2020, 21, 1482-1490.	4.4	35
6	Development of hierarchical ranking strategy for the asphalt skeleton in semi-flexible pavement. Construction and Building Materials, 2019, 201, 149-158.	7.2	33
7	Feasible utilization of waste limestone sludge as filler in bituminous concrete. Construction and Building Materials, 2020, 239, 117781.	7.2	32
8	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
9	Critical review of flexible pavement performance models. KSCE Journal of Civil Engineering, 2014, 18, 142-148.	1.9	27
10	Factors affecting road crash modeling. Journal of Transport Literature, 2015, 9, 15-19.	0.3	23
11	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
12	Pedestrian Flow Characteristics Studies: A Review. Transport Reviews, 2015, 35, 445-465.	8.8	22
13	Mechanisticâ€œempirical approach for design of low volume pavements. International Journal of Pavement Engineering, 2015, 16, 797-808.	4.4	22
14	Congestion Adaptive Traffic Light Control and Notification Architecture Using Google Maps APIs. Data, 2018, 3, 67.	2.3	18
15	Evaluation of engineering, economic and environmental suitability of waste filler incorporated asphalt mixes and pavements. Road Materials and Pavement Design, 2021, 22, S624-S640.	4.0	17
16	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
17	Potential utilization of construction wastes in asphalt pavements as fillers using ranking framework. Construction and Building Materials, 2021, 277, 122262.	7.2	16
18	Estimation of passenger car unit for heterogeneous traffic stream of urban arterials: case study of Kolkata. Transportation Letters, 2017, , 1-13.	3.1	15

#	ARTICLE	IF	CITATIONS
19	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
20	Comparative Structural Analysis of Flexible Pavements Using Finite Element Method. International Journal on Pavement Engineering & Asphalt Technology, 2014, 15, 11-19.	0.4	14
21	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
22	Performance evaluation of bauxite residue modified asphalt concrete mixes. European Journal of Environmental and Civil Engineering, 2022, 26, 978-994.	2.1	14
23	Assessment of Vehicles Headway during Queue Dissipation at Signal-Controlled Intersection under Mixed Traffic. Current Science, 2019, 116, 437.	0.8	14
24	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
25	Speed distribution for interrupted flow facility under mixed traffic. Physica A: Statistical Mechanics and Its Applications, 2021, 570, 125798.	2.6	13
26	Utilization of Waste Glass Powder and Glass Composite Fillers in Asphalt Pavements. Advances in Civil Engineering, 2021, 2021, 1-17.	0.7	13
27	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
28	Queue-Based Headway Distribution Models at Signal Controlled Intersection under Mixed Traffic. Transportation Research Record, 2020, 2674, 768-778.	1.9	11
29	A review of methodological approaches for saturation flow estimation at signalized intersections. Canadian Journal of Civil Engineering, 2020, 47, 237-247.	1.3	10
30	Evaluation of driver Acceleration/Deceleration behavior at signalized intersections using vehicle trajectory data. Transportation Letters, 2023, 15, 350-362.	3.1	10
31	Review of Factors Controlling Skid Resistance at Tire-Pavement Interface. Advances in Civil Engineering, 2021, 2021, 1-16.	0.7	9
32	Critical Pavement Response Analysis of Low-Volume Pavements considering Nonlinear Behavior of Materials. Transportation Research Record, 2015, 2474, 3-11.	1.9	7
33	An optimised approach for saturation flow estimation of signalised intersections. Proceedings of the Institution of Civil Engineers: Transport, 2022, 175, 137-149.	0.6	7
34	Non-Linear Evaluation Model to Analyze Saturation Flow under Weak-Lane-Disciplined Mixed Traffic Stream. Transportation Research Record, 2021, 2675, 422-431.	1.9	7
35	Comparing different fatigue test methods at asphalt mastic level. Materials and Structures/Materiaux Et Constructions, 2022, 55, .	3.1	7
36	Investigation of adolescent accident predictive variables in hilly regions. International Journal of Injury Control and Safety Promotion, 2016, 23, 291-301.	2.0	6

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37	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
38	Use of dimension limestone sludge as filler in asphalt mix. Proceedings of Institution of Civil Engineers: Construction Materials, 2020, , 1-11.	1.1	5
39	Contribution of mineral filler to the fatigue damage behaviour of bituminous mastic. Construction and Building Materials, 2022, 334, 127120.	7.2	5
40	Comparative analysis of saturation flow using various PCU estimation methods. Transportation Research Procedia, 2020, 48, 3153-3162.	1.5	4
41	Analysing the influence of industrial waste fillers on the ageing susceptibility of asphalt concrete. International Journal of Pavement Engineering, 2022, 23, 3906-3919.	4.4	4
42	Introduction of a New Parameter to Quantify the Fatigue Damage in Asphalt Mastics and Asphalt Binder. Coatings, 2021, 11, 828.	2.6	4
43	Assessment of Saturation Flow at Signalized Intersections: A Synthesis of Global Perspective and Future Directions. Current Science, 2020, 119, 32.	0.8	4
44	Two-Step Optimization Model for Evaluating the Saturation Flow Rate under the Impact of Small-Sized Vehicles. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	1.4	4
45	Effect of analysis procedure and sample geometry on the fatigue life results of asphalt mastics from linear amplitude sweep test. Mechanics of Time-Dependent Materials, 2023, 27, 1097-1121.	4.4	4
46	Effect of Gradient on Pedestrian Flow Characteristics Under Mixed Flow Conditions. Transportation Research Procedia, 2017, 25, 4720-4732.	1.5	3
47	Modelling U-Turning Behaviour of Vehicles at Mid-Block Median Openings in Multilane Urban Roads. Current Science, 2018, 114, 1461.	0.8	3
48	Performance evaluation of asphalt concrete mixes having copper industry waste as filler. Transportation Research Procedia, 2020, 48, 3656-3667.	1.5	2
49	Adaptive traffic signal control for developing countries using fused parameters derived from crowd-source data. Transportation Letters, 2023, 15, 296-307.	3.1	2
50	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
51	Comparative Analysis of Saturation Flow Using Various PCU Estimation Methods. Lecture Notes in Civil Engineering, 2020, , 151-164.	0.4	0
52	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