

Indrajit Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

555
citations

687363

13
h-index

677142

22
g-index

47
all docs

47
docs citations

47
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-compliance behaviour of pedestrians and the associated conflicts at signalized intersections in India. <i>Safety Science</i> , 2022, 147, 105604.	4.9	9
2	The effects of green signal countdown timer and retiming of signal intervals on dilemma zone related crash risk at signalized intersections under heterogeneous traffic conditions. <i>Safety Science</i> , 2022, 154, 105862.	4.9	4
3	Side friction parameters and their influences on capacity of Indian undivided urban streets. <i>International Journal of Transportation Science and Technology</i> , 2021, 10, 1-19.	3.6	10
4	Hazard-Based Duration Approach to Pedestrian Crossing Behavior at Signalized Intersections. <i>Transportation Research Record</i> , 2021, 2675, 519-532.	1.9	12
5	Development of conflict severity index for safety evaluation of severe crash types at unsignalized intersections under mixed traffic. <i>Safety Science</i> , 2021, 144, 105432.	4.9	22
6	An advanced approach for estimation of PCU values on undivided urban roads under heterogeneous traffic conditions. <i>Transportation Letters</i> , 2020, 12, 172-181.	3.1	12
7	Post encroachment time threshold identification for right-turn related crashes at unsignalized intersections on intercity highways under mixed traffic. <i>International Journal of Injury Control and Safety Promotion</i> , 2020, 27, 121-135.	2.0	30
8	Influence of green signal countdown timer on severe crash types at signalized intersections due to red light violations. <i>Transportation Letters</i> , 2020, 12, 528-539.	3.1	6
9	Analysis of Spontaneous Order of Pedestrian-Vehicle Conflicts at Signalized Intersections. <i>Transportation Research Record</i> , 2020, 2674, 440-454.	1.9	4
10	Reliability Modelling on Drivers' Decision during the Yellow Phase of a Signal Intersection. <i>Current Science</i> , 2020, 118, 654.	0.8	0
11	Analysis of Pedestrian Conflict with Right-Turning Vehicles at Signalized Intersections in India. <i>Journal of Transportation Engineering Part A: Systems</i> , 2019, 145, .	1.4	30
12	Modeling Platoon Dispersion at Signalized Intersections in Mixed Traffic Scenario. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 4829-4838.	3.0	8
13	Hydroelectric Flow Optimization of a Dam: A Kriging-Based Approach. <i>Lecture Notes in Civil Engineering</i> , 2019, , 813-823.	0.4	1
14	Data Extraction from Traffic Videos Using Machine Learning Approach. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 211-221.	0.6	1
15	Assessment of Level of Service for Urban Signalized Intersections in India. <i>Current Science</i> , 2019, 117, 1516.	0.8	1
16	Speed-Based Proximal Indicator for Right-Turn Crashes at Unsignalized Intersections in India. <i>Journal of Transportation Engineering Part A: Systems</i> , 2018, 144, .	1.4	30
17	What Characterizes a Vehicle as Follower on Two-Lane Intercity Highways under Heterogeneous Traffic Conditions. <i>Journal of Transportation Engineering Part A: Systems</i> , 2018, 144, .	1.4	2
18	A Novel Approach of Safety Evaluation for Red Light Violation Related Crashes at Signalized Intersections. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Calibration Methodology of Microsimulation Model for Unsignalized Intersection under Heterogeneous Traffic Conditions. , 2018, , .		6
20	Proactive Safety Treatments of Red Light Violations Using Microsimulation Modeling. , 2018, , .		0
21	Kriging based saturation flow models for traffic conditions in Indian cities. Transportation Research, Part A: Policy and Practice, 2018, 118, 38-51.	4.2	12
22	Saturation Flow Model for Signalized Intersection under Mixed Traffic Condition. Transportation Research Record, 2018, 2672, 55-65.	1.9	26
23	Evaluation of Pedestrian Gap Acceptance Behavior at Uncontrolled Midblock Sections under Mixed Traffic Condition. , 2018, , .		0
24	Modeling of the Driversâ€™ Decision-Making Behavior During Yellow Phase. KSCE Journal of Civil Engineering, 2018, 22, 4602-4614.	1.9	7
25	Measurement of free-flow conditions on multilane intercity highways under heterogeneous traffic conditions. Journal of the South African Institution of Civil Engineering, 2018, 60, 1-8.	0.3	3
26	Kriging-Based Approach for Estimation of Vehicular Speed and Passenger Car Units on an Urban Arterial. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	1.4	25
27	Influence of signal countdown timer on efficiency and safety at signalized intersections. Canadian Journal of Civil Engineering, 2017, 44, 308-318.	1.3	21
28	Effect of Traffic Signal Countdown Timers on Pedestrian Crossings at Signalized Intersection. Transportation in Developing Economies, 2017, 3, 1.	1.6	10
29	Identification of Free Flowing Vehicles on Two Lane Intercity Highways under Heterogeneous Traffic condition. Transportation Research Procedia, 2017, 21, 130-140.	1.5	4
30	Delay at Signalized Intersections under Mixed Traffic Conditions. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	1.4	25
31	Estimation of Vehicular Speed and Passenger Car Equivalent Under Mixed Traffic Condition Using Artificial Neural Network. Arabian Journal for Science and Engineering, 2017, 42, 4099-4110.	3.0	14
32	Effects of On-Street Parking in Urban Context: A Critical Review. Transportation in Developing Economies, 2017, 3, 1.	1.6	44
33	Performance Indicator for Two-Lane Intercity Highways under Heterogeneous Traffic Condition. Transportation Research Procedia, 2017, 22, 459-468.	1.5	3
34	Assessment of level of service measures for two-lane intercity highways under heterogeneous traffic conditions. Canadian Journal of Civil Engineering, 2017, 44, 69-79.	1.3	5
35	SATURATION FLOW ESTIMATION AT SIGNALIZED INTERSECTIONS UNDER MIXED TRAFFIC CONDITIONS. , 2017, , .		4
36	LAMBERT W FUNCTION BASED SEMI-ANALYTICAL FRAMEWORK FOR ESTIMATION OF SPEED AND PASSENGER CAR UNIT. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	A novel approach for assessing the LOS for two-lane intercity highways under heterogeneous traffic conditions. Journal of Advanced Transportation, 2016, 50, 2041-2059.	1.7	2
38	Determination of Passenger-Car Units on Two-Lane Intercity Highways under Heterogeneous Traffic Conditions. Journal of Transportation Engineering, 2016, 142, .	0.9	12
39	Passenger Car Unit of Vehicles on Undivided Intercity Roads in India. Procedia Computer Science, 2015, 52, 926-931.	2.0	9
40	Evaluation of Performance Measures for Two-Lane Intercity Highways under Mixed Traffic Conditions. Journal of Transportation Engineering, 2015, 141, .	0.9	27
41	The Effect of Countdown Timer on the Approach Speed at Signalised Intersections. Procedia Computer Science, 2015, 52, 920-925.	2.0	23
42	Examination of factors affecting freeway incident clearance times: a comparison of the generalized <i>F</i> model and several alternative nested models. Journal of Advanced Transportation, 2014, 48, 471-485.	1.7	35
43	Operational Performance Measures for Two-lane Roads: An Assessment of Methodological Alternatives. Procedia, Social and Behavioral Sciences, 2013, 104, 440-448.	0.5	7
44	Examination of the Factors Influencing the Clearance Time of Freeway Incidents. Journal of Transportation System Engineering and Information Technology, 2012, 12, 75-89.	0.6	3
45	Effects of Dynamically Activated Emergency Vehicle Warning Sign on Driver Behavior at Urban Intersections. Transportation Research Record, 2010, 2149, 77-83.	1.9	11
46	Examination of Factors Affecting Driver Injury Severity in Michigan's Single-Vehicle "Deer Crashes. Transportation Research Record, 2008, 2078, 17-25.	1.9	33