Indrajit Ghosh

List of Publications by Year
in descending order

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	Effects of On-Street Parking in Urban Context: A Critical Review. Transportation in Developing Economies, 2017, 3, 1.	1.6	44
2	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
3	Examination of Factors Affecting Driver Injury Severity in Michigan's Single-Vehicleâ€"Deer Crashes. Transportation Research Record, 2008, 2078, 17-25.	1.9	33
4	Speed-Based Proximal Indicator for Right-Turn Crashes at Unsignalized Intersections in India. Journal of Transportation Engineering Part A: Systems, 2018, 144, .	1.4	30
5	Analysis of Pedestrian Conflict with Right-Turning Vehicles at Signalized Intersections in India. Journal of Transportation Engineering Part A: Systems, 2019, 145, .	1.4	30
6	Post encroachment time threshold identification for right-turn related crashes at unsignalized intersections on intercity highways under mixed traffic. International Journal of Injury Control and Safety Promotion, 2020, 27, 121-135.	2.0	30
7	Evaluation of Performance Measures for Two-Lane Intercity Highways under Mixed Traffic Conditions. Journal of Transportation Engineering, 2015, 141, .	0.9	27
8	Saturation Flow Model for Signalized Intersection under Mixed Traffic Condition. Transportation Research Record, 2018, 2672, 55-65.	1.9	26
9	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
10	Delay at Signalized Intersections under Mixed Traffic Conditions. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	1.4	25
11	The Effect of Countdown Timer on the Approach Speed at Signalised Intersections. Procedia Computer Science, 2015, 52, 920-925.	2.0	23
12	Development of conflict severity index for safety evaluation of severe crash types at unsignalized intersections under mixed traffic. Safety Science, 2021, 144, 105432.	4.9	22
13	Influence of signal countdown timer on efficiency and safety at signalized intersections. Canadian Journal of Civil Engineering, 2017, 44, 308-318.	1.3	21
14	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
15	Determination of Passenger-Car Units on Two-Lane Intercity Highways under Heterogeneous Traffic Conditions. Journal of Transportation Engineering, 2016, 142, .	0.9	12
16	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
17	An advanced approach for estimation of PCU values on undivided urban roads under heterogeneous traffic conditions. Transportation Letters, 2020, 12, 172-181.	3.1	12
18	Hazard-Based Duration Approach to Pedestrian Crossing Behavior at Signalized Intersections. Transportation Research Record, 2021, 2675, 519-532.	1.9	12

#	Article	IF	Citations
19	Effects of Dynamically Activated Emergency Vehicle Warning Sign on Driver Behavior at Urban Intersections. Transportation Research Record, 2010, 2149, 77-83.	1.9	11
20	Effect of Traffic Signal Countdown Timers on Pedestrian Crossings at Signalized Intersection. Transportation in Developing Economies, 2017, 3, 1.	1.6	10
21	Side friction parameters and their influences on capacity of Indian undivided urban streets. International Journal of Transportation Science and Technology, 2021, 10, 1-19.	3.6	10
22	Passenger Car Unit of Vehicles on Undivided Intercity Roads in India. Procedia Computer Science, 2015, 52, 926-931.	2.0	9
23	Non-compliance behaviour of pedestrians and the associated conflicts at signalized intersections in India. Safety Science, 2022, 147, 105604.	4.9	9
24	Modeling Platoon Dispersion at Signalized Intersections in Mixed Traffic Scenario. Arabian Journal for Science and Engineering, 2019, 44, 4829-4838.	3.0	8
25	Operational Performance Measures for Two-lane Roads: An Assessment of Methodological Alternatives. Procedia, Social and Behavioral Sciences, 2013, 104, 440-448.	0.5	7
26	Modeling of the Drivers' Decision-Making Behavior During Yellow Phase. KSCE Journal of Civil Engineering, 2018, 22, 4602-4614.	1.9	7
27	Calibration Methodology of Microsimulation Model for Unsignalized Intersection under Heterogeneous Traffic Conditions. , 2018, , .		6
28	Influence of green signal countdown timer on severe crash types at signalized intersections due to red light violations. Transportation Letters, 2020, 12, 528-539.	3.1	6
29	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
30	Identification of Free Flowing Vehicles on Two Lane Intercity Highways under Heterogeneous Traffic condition. Transportation Research Procedia, 2017, 21, 130-140.	1.5	4
31	Analysis of Spontaneous Order of Pedestrian–Vehicle Conflicts at Signalized Intersections. Transportation Research Record, 2020, 2674, 440-454.	1.9	4
32	SATURATION FLOW ESTIMATION AT SIGNALIZED INTERSECTIONS UNDER MIXED TRAFFIC CONDITIONS. , 2017, , .		4
33	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. Safety Science, 2022, 154, 105862.	4.9	4
34	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
35	Performance Indicator for Two-Lane Intercity Highways under Heterogeneous Traffic Condition. Transportation Research Procedia, 2017, 22, 459-468.	1.5	3
36	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

#	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	What Characterizes a Vehicle as Follower on Two-Lane Intercity Highways under Heterogeneous Traffic Conditions. Journal of Transportation Engineering Part A: Systems, 2018, 144, .	1.4	2
39	A Novel Approach of Safety Evaluation for Red Light Violation Related Crashes at Signalized Intersections. , 2018, , .		2
40	Hydroelectric Flow Optimization of a Dam: A Kriging-Based Approach. Lecture Notes in Civil Engineering, 2019, , 813-823.	0.4	1
41	Data Extraction from Traffic Videos Using Machine Learning Approach. Advances in Intelligent Systems and Computing, 2019, , 211-221.	0.6	1
42	Assessment of Level of Service for Urban Signalized Intersections in India. Current Science, 2019, 117, 1516.	0.8	1
43	Proactive Safety Treatments of Red Light Violations Using Microsimulation Modeling. , 2018, , .		0
44	Evaluation of Pedestrian Gap Acceptance Behavior at Uncontrolled Midblock Sections under Mixed Traffic Condition. , 2018, , .		0
45	LAMBERT W FUNCTION BASED SEMI-ANALYTICAL FRAMEWORK FOR ESTIMATION OF SPEED AND PASSENGER CAR UNIT. , 2017, , .		0
46	Reliability Modelling on Drivers' Decision during the Yellow Phase of a Signal Intersection. Current Science, 2020, 118, 654.	0.8	0