

Gopal R Patil

List of Publications by Year in descending order

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47
papers

1,064
citations

393982

19
h-index

454577

30
g-index

48
all docs

48
docs citations

48
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-period transportation network design under demand uncertainty. Transportation Research Part B: Methodological, 2009, 43, 625-642.	2.8	106
2	Pedestrian temporal and spatial gap acceptance at mid-block street crossing in developing world. Journal of Safety Research, 2015, 52, 39-46.	1.7	86
3	A robust transportation signal control problem accounting for traffic dynamics. Computers and Operations Research, 2010, 37, 869-879.	2.4	69
4	A Multicommodity Integrated Freight Origin-destination Synthesis Model. Networks and Spatial Economics, 2008, 8, 309-326.	0.7	60
5	Temporal and Spatial Gap Acceptance for Minor Road at Uncontrolled Intersections in India. Transportation Research Record, 2014, 2461, 129-136.	1.0	47
6	Critical gap estimation for pedestrians at uncontrolled mid-block crossings on high-speed arterials. Safety Science, 2016, 86, 295-303.	2.6	45
7	Observed Trip Chain Behavior of Commercial Vehicles. , 0, .		45
8	Modelling urban freight generation: A case study of seven cities in Kerala, India. Transport Policy, 2018, 69, 49-64.	3.4	43
9	Estimation of freight demand at Mumbai Port using regression and time series models. KSCE Journal of Civil Engineering, 2016, 20, 2022-2032.	0.9	40
10	Public transit accessibility approach to understand the equity for public healthcare services: A case study of Greater Mumbai. Journal of Transport Geography, 2021, 94, 103123.	2.3	31
11	Analysis of dilemma zone for pedestrians at high-speed uncontrolled midblock crossing. Transportation Research Part C: Emerging Technologies, 2016, 70, 42-52.	3.9	29
12	System-Optimal Stochastic Transportation Network Design. Transportation Research Record, 2007, 2029, 80-86.	1.0	27
13	Integrated Origin-Destination Synthesis Model for Freight with Commodity-Based and Empty Trip Models. Transportation Research Record, 2007, 2008, 60-66.	1.0	27
14	Classification of Gaps at Uncontrolled Intersections and Midblock Crossings Using Support Vector Machines. Transportation Research Record, 2015, 2515, 26-33.	1.0	26
15	Observed Trip Chain Behavior of Commercial Vehicles. Transportation Research Record, 2005, 1906, 74-80.	1.0	25
16	Response of major road drivers to aggressive maneuvering of the minor road drivers at unsignalized intersections: A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 52, 164-175.	1.8	25
17	Understanding mode choice decisions for shopping mall trips in metro cities of developing countries. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 64, 133-146.	1.8	25
18	Modelling Gap Acceptance Behavior of Two-Wheelers at Uncontrolled Intersection Using Neuro-Fuzzy. Procedia, Social and Behavioral Sciences, 2011, 20, 927-941.	0.5	24

#	ARTICLE	IF	CITATIONS
19	Behavior of two-wheelers at limited priority uncontrolled T-intersections. <i>IATSS Research</i> , 2016, 40, 7-18.	1.8	20
20	Simultaneous dynamic demand estimation models for major seaports in India. <i>Transportation Letters</i> , 2017, 9, 141-151.	1.8	20
21	Microscopic analysis of traffic behavior at unsignalized intersections in developing world. <i>Transportation Letters</i> , 2016, 8, 158-166.	1.8	19
22	Emission-based static traffic assignment models. <i>Environmental Modeling and Assessment</i> , 2016, 21, 629-642.	1.2	19
23	Urban Quality of Life: An assessment and ranking for Indian cities. <i>Transport Policy</i> , 2022, 124, 183-191.	3.4	19
24	Quantifying resilience using a unique critical cost on road networks subject to recurring capacity disruptions. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 836-855.	1.3	17
25	Capacity uncertainty on urban road networks: A critical state and its applicability in resilience quantification. <i>Computers, Environment and Urban Systems</i> , 2015, 54, 108-118.	3.3	17
26	Minor-Street Vehicle Dilemma While Maneuvering at Unsignalized Intersections. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017, 143, .	0.8	15
27	Adaptive neuro-fuzzy interface system for gap acceptance behavior of right-turning vehicles at partially controlled T-intersections. <i>Journal of Modern Transportation</i> , 2014, 22, 235-243.	2.5	14
28	COVID-19 effects on urban driving, walking, and transit usage trends: Evidence from Indian metropolitan cities. <i>Cities</i> , 2022, 126, 103697.	2.7	11
29	Exploring User Behavior in Online Network Equilibrium Problems. <i>Transportation Research Record</i> , 2007, 2029, 31-38.	1.0	10
30	EFFECT OF TRAFFIC DEMAND VARIATION ON ROAD NETWORK RESILIENCE. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2016, 19, 1650003.	0.9	10
31	Freight production of agricultural commodities in India using multiple linear regression and generalized additive modelling. <i>Transport Policy</i> , 2020, 97, 245-258.	3.4	10
32	Analysis of Worst Case Stochastic Link Capacity Degradation to Aid Assessment of Transportation Network Reliability. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 104, 507-515.	0.5	9
33	Spatial Temporal Analysis of Freight Flow through Indian Major Seaport System. <i>Asian Journal of Shipping and Logistics</i> , 2019, 35, 77-85.	1.8	9
34	Sample Average Approximation Technique for Flexible Network Design Problem. <i>Journal of Computing in Civil Engineering</i> , 2011, 25, 254-262.	2.5	8
35	Algorithm to Compute Urban Road Network Resilience. <i>Transportation Research Record</i> , 2018, 2672, 104-115.	1.0	8
36	Data Collection and Modeling of Restaurantsâ€™ Freight Trip Generation for Indian Cities. <i>Transportation in Developing Economies</i> , 2021, 7, 1.	0.9	7

#	ARTICLE	IF	CITATIONS
37	Identification of freight generating industry complexes: A descriptive spatial analysis. Growth and Change, 2021, 52, 2680-2712.	1.3	7
38	Modeling dynamic distribution of dilemma zone at signalized intersections for developing world traffic. Journal of Transportation Safety and Security, 2022, 14, 886-904.	1.1	6
39	Mode Choice Modeling Using Adaptive Data Collection for Different Trip Purposes in Mumbai Metropolitan Region. Transportation in Developing Economies, 2020, 6, 1.	0.9	6
40	Overweight/obesity relationship with travel patterns, socioeconomic characteristics, and built environment. Journal of Transport and Health, 2021, 22, 101240.	1.1	6
41	Analysing and modelling the relationship between air freight movement and airport characteristics in India. Transportation Research Procedia, 2020, 48, 74-92.	0.8	4
42	Analyzing variations in spatial critical gaps at two-way stop controlled intersections using parametric and non-parametric techniques. Journal of Traffic and Transportation Engineering (English Edition), 2021, 8, 129-138.	2.0	4
43	Red Light Running at Heterogeneous Saturated Intersections in Mumbai, India: On the Existence of Two Regimes and Causal Factors. Transportation Research Record, 2017, 2619, 75-84.	1.0	3
44	Regional freight generation and spatial interactions in developing regions using secondary data. Transportation, 2023, 50, 773-810.	2.1	2
45	Quantifying Risk Due to Capacity Uncertainty on Urban Road Networks. Transportation Research Procedia, 2016, 17, 539-547.	0.8	1
46	Identifying Critical Links on Disruption-Prone Road Networks:An Approach that Obviates Scenario Enumeration. Current Science, 2020, 118, 428.	0.4	1
47	Did Mobility Affect the Spread of COVID-19 during the First Pandemic Wave: An Investigation for Indian States Using Dynamic Regression. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	0.8	1