Gopal R Patil

List of Publications by Year
in descending order

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	Regional freight generation and spatial interactions in developing regions using secondary data. Transportation, 2023, 50, 773-810.	2.1	2
2	Urban Quality of Life: An assessment and ranking for Indian cities. Transport Policy, 2022, 124, 183-191.	3.4	19
3	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
4	COVID-19 effects on urban driving, walking, and transit usage trends: Evidence from Indian metropolitan cities. Cities, 2022, 126, 103697.	2.7	11
5	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
6	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
7	Data Collection and Modeling of Restaurantsâ€™ Freight Trip Generation for Indian Cities. Transportation in Developing Economies, 2021, 7, 1.	0.9	7
8	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
9	Identification of freight generating industry complexes: A descriptive spatial analysis. Growth and Change, 2021, 52, 2680-2712.	1.3	7
10	Overweight/obesity relationship with travel patterns, socioeconomic characteristics, and built environment. Journal of Transport and Health, 2021, 22, 101240.	1.1	6
11	Analysing and modelling the relationship between air freight movement and airport characteristics in India. Transportation Research Procedia, 2020, 48, 74-92.	0.8	4
12	Freight production of agricultural commodities in India using multiple linear regression and generalized additive modelling. Transport Policy, 2020, 97, 245-258.	3.4	10
13	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
14	Identifying Critical Links on Disruption-Prone Road Networks:An Approach that Obviates Scenario Enumeration. Current Science, 2020, 118, 428.	0.4	1
15	Spatial Temporal Analysis of Freight Flow through Indian Major Seaport System. Asian Journal of Shipping and Logistics, 2019, 35, 77-85.	1.8	9
16	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
17	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
18	Algorithm to Compute Urban Road Network Resilience. Transportation Research Record, 2018, 2672, 104-115.	1.0	8

#	Article	IF	Citations
19	Modelling urban freight generation: A case study of seven cities in Kerala, India. Transport Policy, 2018, 69, 49-64.	3.4	43
20	Minor-Street Vehicle Dilemma While Maneuvering at Unsignalized Intersections. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	0.8	15
21	Simultaneous dynamic demand estimation models for major seaports in India. Transportation Letters, 2017, 9, 141-151.	1.8	20
22	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
23	Microscopic analysis of traffic behavior at unsignalized intersections in developing world. Transportation Letters, 2016, 8, 158-166.	1.8	19
24	Quantifying Risk Due to Capacity Uncertainty on Urban Road Networks. Transportation Research Procedia, 2016, 17, 539-547.	0.8	1
25	EFFECT OF TRAFFIC DEMAND VARIATION ON ROAD NETWORK RESILIENCE. International Journal of Modeling, Simulation, and Scientific Computing, 2016, 19, 1650003.	0.9	10
26	Critical gap estimation for pedestrians at uncontrolled mid-block crossings on high-speed arterials. Safety Science, 2016, 86, 295-303.	2.6	45
27	Behavior of two-wheelers at limited priority uncontrolled T-intersections. IATSS Research, 2016, 40, 7-18.	1.8	20
28	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
29	Emission-based static traffic assignment models. Environmental Modeling and Assessment, 2016, 21, 629-642.	1.2	19
30	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
31	Quantifying resilience using auniquecritical cost on road networks subject to recurring capacity disruptions. Transportmetrica A: Transport Science, 2015, 11, 836-855.	1.3	17
32	Classification of Gaps at Uncontrolled Intersections and Midblock Crossings Using Support Vector Machines. Transportation Research Record, 2015, 2515, 26-33.	1.0	26
33	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
34	Capacity uncertainty on urban road networks: A critical state and its applicability in resilience quantification. Computers, Environment and Urban Systems, 2015, 54, 108-118.	3.3	17
35	Adaptive neuro-fuzzy interface system for gap acceptance behavior of right-turning vehicles at partially controlled T-intersections. Journal of Modern Transportation, 2014, 22, 235-243.	2.5	14
36	Temporal and Spatial Gap Acceptance for Minor Road at Uncontrolled Intersections in India. Transportation Research Record, 2014, 2461, 129-136.	1.0	47

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37	Analysis of Worst Case Stochastic Link Capacity Degradation to Aid Assessment of Transportation Network Reliability. Procedia, Social and Behavioral Sciences, 2013, 104, 507-515.	0.5	9
38	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
39	Sample Average Approximation Technique for Flexible Network Design Problem. Journal of Computing in Civil Engineering, 2011, 25, 254-262.	2.5	8
40	A robust transportation signal control problem accounting for traffic dynamics. Computers and Operations Research, 2010, 37, 869-879.	2.4	69
41	Multi-period transportation network design under demand uncertainty. Transportation Research Part B: Methodological, 2009, 43, 625-642.	2.8	106
42	A Multicommodity Integrated Freight Originâ€“destination Synthesis Model. Networks and Spatial Economics, 2008, 8, 309-326.	0.7	60
43	System-Optimal Stochastic Transportation Network Design. Transportation Research Record, 2007, 2029, 80-86.	1.0	27
44	Exploring User Behavior in Online Network Equilibrium Problems. Transportation Research Record, 2007, 2029, 31-38.	1.0	10
45	Integrated Originâ€“Destination Synthesis Model for Freight with Commodity-Based and Empty Trip Models. Transportation Research Record, 2007, 2008, 60-66.	1.0	27
46	Observed Trip Chain Behavior of Commercial Vehicles. Transportation Research Record, 2005, 1906, 74-80.	1.0	25
47	Observed Trip Chain Behavior of Commercial Vehicles. , 0, .		45