

# Toru Seo

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

659  
citations

1162889

8  
h-index

839398

18  
g-index

26  
all docs

26  
docs citations

26  
times ranked

523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamental diagram of urban rail transit considering train-passenger interaction. Transportation, 2023, 50, 1399-1424.	2.1	2
2	Multi-Objective Linear Optimization Problem for Strategic Planning of Shared Autonomous Vehicle Operation and Infrastructure Design. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3816-3828.	4.7	20
3	Flow Breakdown. , 2021, , 143-153.		1
4	A reinforcement learning-based dynamic congestion pricing method for the morning commute problems. Transportation Research Procedia, 2021, 52, 347-355.	0.8	4
5	Trial-and-Error Congestion Pricing Scheme for Morning Commute Problem with Day-to-Day Dynamics. Transportation Research Procedia, 2020, 47, 561-568.	0.8	2
6	Calibration-free traffic state estimation method using single detector and connected vehicles with Kalman filtering and RTS smoothing. , 2020, , .		1
7	Adoption of dynamic ridesharing system under influence of information on social network. Transportation Research Procedia, 2019, 37, 401-408.	0.8	3
8	Fundamental diagram estimation by using trajectories of probe vehicles. Transportation Research Part B: Methodological, 2019, 122, 40-56.	2.8	39
9	Traffic density estimation method from small satellite imagery: Towards frequent remote sensing of car traffic. , 2019, , .		7
10	Evolution of a dynamic ridesharing system based on rational behavior of users. International Journal of Sustainable Transportation, 2019, 13, 614-626.	2.1	7
11	Interactive online machine learning approach for activity-travel survey. Transportation Research Part B: Methodological, 2019, 123, 362-373.	2.8	14
12	Traffic state estimation using small imaging satellites and connected vehicles. Transportation Research Procedia, 2018, 34, 4-11.	0.8	5
13	Use of Small Satellites and Connected Vehicles for Large-Scale Traffic Monitoring in Road Network. , 2018, , .		2
14	Traffic state estimation on highway: A comprehensive survey. Annual Reviews in Control, 2017, 43, 128-151.	4.4	265
15	Calibration of fundamental diagram using trajectories of probe vehicles: Basic formulation and heuristic algorithm. Transportation Research Procedia, 2017, 21, 6-17.	0.8	7
16	Simulation approach for investigating dynamics of passenger matching problem in smart ridesharing system. Transportation Research Procedia, 2017, 21, 29-41.	0.8	7
17	Traffic state estimation method with efficient data fusion based on the Aw-Raschle-Zhang model. , 2017, , .		12
18	Social benefit of optimal ride-share transport with given travelers' activity patterns. Transportation Research Procedia, 2017, 27, 261-269.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Endogenous market penetration dynamics of automated and connected vehicles: Transport-oriented model and its paradox. Transportation Research Procedia, 2017, 27, 238-245.	0.8	19
20	Fundamental diagram estimation using GPS trajectories of probe vehicles. , 2017, , .		5
21	RECENT ADVANCES IN KINEMATIC WAVE THEORY OF TRAFFIC FLOWS: VARIATIONAL FORMULATION AND NETWORK EXTENSION. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and) Tj ETQq1 1 0.784314 rgBT /Over	0.7	10
22	Filter comparison for estimation on discretized PDEs modeling traffic: Ensemble Kalman Filter and minimax filter. , 2016, , .		7
23	Probe Vehicle-based Traffic Flow Estimation Method without Fundamental Diagram. Transportation Research Procedia, 2015, 9, 149-163.	0.8	15
24	Traffic State Estimation with the Advanced Probe Vehicles Using Data Assimilation. , 2015, , .		28
25	Estimation of flow and density using probe vehicles with spacing measurement equipment. Transportation Research Part C: Emerging Technologies, 2015, 53, 134-150.	3.9	111
26	Probe vehicle-based traffic state estimation method with spacing information and conservation law. Transportation Research Part C: Emerging Technologies, 2015, 59, 391-403.	3.9	70