Mohsen Ramezani

List of Publications by Year
in descending order

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Version: 2024-02-01

41 papers	2,041 citations	361296 20 h-index	345118 36 g-index
41 all docs	41 docs citations	41 times ranked	1052 citing authors

#	Article	IF	Citations
1	An empirical study on characteristics of supply in e-hailing markets: a clustering approach. Transportation Letters, 2023, 15, 645-658.	1.8	4
2	Robust perimeter control with cordon queues and heterogeneous transfer flows. Transportation Research Part C: Emerging Technologies, 2021, 126, 103043.	3.9	25
3	Schedule-Constrained Demand Management in Two-Region Urban Networks. Transportation Science, 2021, 55, 857-882.	2.6	10
4	Perimeter control with real-time location-varying cordon. Transportation Research Part B: Methodological, 2021, 150, 101-120.	2.8	36
5	Decentralised cooperative cruising of autonomous ride-sourcing fleets. Transportation Research Part C: Emerging Technologies, 2021, 131, 103336.	3.9	12
6	Staggered work schedules for congestion mitigation: A morning commute problem. Transportation Research Part C: Emerging Technologies, 2021, 132, 103391.	3.9	11
7	Real-time decentralized traffic signal control for congested urban networks considering queue spillbacks. Transportation Research Part C: Emerging Technologies, 2021, 133, 103407.	3.9	17
8	Demand management with limited cooperation among travellers: A doubly dynamic approach. Transportation Research Part B: Methodological, 2020, 132, 267-284.	2.8	31
9	Ride-Sourcing modeling and pricing in non-equilibrium two-sided markets. Transportation Research Part B: Methodological, 2020, 132, 340-357.	2.8	83
10	Hâˆž robust perimeter flow control in urban networks with partial information feedback. Transportation Research Part B: Methodological, 2020, 137, 47-73.	2.8	51
11	Hierarchical ramp metering in freeways: An aggregated modeling and control approach. Transportation Research Part C: Emerging Technologies, 2020, 110, 1-19.	3.9	46
12	Partially Connected and Automated Traffic Operations in Road Transportation. Journal of Advanced Transportation, 2020, 2020, 1-3.	0.9	1
13	Mixed flow of autonomous and human-driven vehicles: Analytical headway modeling and optimal lane management. Transportation Research Part C: Emerging Technologies, 2019, 109, 194-210.	3.9	68
14	Demand management with limited cooperation among travellers: A doubly dynamic approach. Transportation Research Procedia, 2019, 38, 606-626.	0.8	3
15	Ride-Sourcing Modeling and Pricing in Non-Equilibrium Two-Sided Markets. Transportation Research Procedia, 2019, 38, 833-852.	0.8	9
16	Lane density optimisation of automated vehicles for highway congestion control. Transportmetrica B, 2019, 7, 1096-1116.	1.4	19
17	Revealing latent characteristics of mobility networks with coarse-graining. Scientific Reports, 2019, 9, 7545.	1.6	22
18	Analytical Optimal Solution of Perimeter Traffic Flow Control Based on MFD Dynamics: A Pontryaginâ€™s Maximum Principle Approach. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3224-3234.	4.7	48

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19	Analytical derivation of the optimal traffic signal timing: Minimizing delay variability and spillback probability for undersaturated intersections. Transportation Research Part B: Methodological, 2019, 119, 45-68.	2.8	25
20	Dynamic modeling and control of taxi services in large-scale urban networks: A macroscopic approach. Transportation Research Part C: Emerging Technologies, 2018, 94, 203-219.	3.9	77
21	Congestion patterns of electric vehicles with limited battery capacity. PLoS ONE, 2018, 13, e0194354.	1.1	6
22	A link partitioning approach for real-time control of queue spillbacks on congested arterials. Transportmetrica B, 2017, 5, 177-190.	1.4	9
23	Stochastic traffic assignment of mixed electric vehicle and gasoline vehicle flow with path distance constraints. Transportation Research Procedia, 2017, 21, 65-78.	0.8	9
24	Delay Variability Optimization Using Shockwave Theory at an Undersaturated Intersection. IFAC-PapersOnLine, 2017, 50, 5289-5294.	0.5	6
25	Capacity and delay analysis of arterials with mixed autonomous and human-driven vehicles. , 2017, , .		12
26	Dynamic modeling and control of taxi services in large-scale urban networks: A macroscopic approach. Transportation Research Procedia, 2017, 23, 41-60.	0.8	26
27	Nonlinear Robust Traffic Flow Control in Urban Networks. IFAC-PapersOnLine, 2017, 50, 8537-8542.	0.5	6
28	A Complex Network Analysis of Macroscopic Structure of Taxi Trips. IFAC-PapersOnLine, 2017, 50, 9432-9437.	0.5	8
29	Integration of loop and probe data for traffic state estimation on freeway and signalized arterial links. , 2017, , .		9
30	Location Design of Electric Vehicle Charging Facilities: A Path-Distance Constrained Stochastic User Equilibrium Approach. Journal of Advanced Transportation, 2017, 2017, 1-15.	0.9	23
31	Developing a large-scale taxi dispatching system for urban networks. , 2016, , .		10
32	Equilibrium Analysis and Route Guidance in Large-scale Networks with MFD Dynamics. Transportation Research Procedia, 2015, 9, 185-204.	0.8	30
33	Dynamics of heterogeneity in urban networks: aggregated traffic modeling and hierarchical control. Transportation Research Part B: Methodological, 2015, 74, 1-19.	2.8	277
34	Equilibrium analysis and route guidance in large-scale networks with MFD dynamics. Transportation Research Part C: Emerging Technologies, 2015, 59, 404-420.	3.9	137
35	Queue Profile Estimation in Congested Urban Networks with Probe Data. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 414-432.	6.3	122
36	Two-level hierarchical traffic control for heterogeneous urban networks. , 2015, , .		1

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37	Cooperative traffic control of a mixed network with two urban regions and a freeway. Transportation Research Part B: Methodological, 2013, 54, 17-36.	2.8	211
38	Optimal Perimeter Control for Two Urban Regions With Macroscopic Fundamental Diagrams: A Model Predictive Approach. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 348-359.	4.7	387
39	Exploiting probe data to estimate the queue profile in urban networks. , 2013, , .		6
40	Macroscopic Traffic Control of a Mixed Urban and Freeway Network* *This research was financially supported by the Swiss National Science Foundation grant # 200021-130165.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 89-94.	0.4	6
41	On the estimation of arterial route travel time distribution with Markov chains. Transportation Research Part B: Methodological, 2012, 46, 1576-1590.	2.8	142