Yufei Yuan

List of Publications by Year
in descending order

40 papers	904 citations	623734 14 h-index	526287 27 g-index
40 all docs	40 docs citations	40 times ranked	727 citing authors

#	Article	IF	Citations
1	Identification of Metro-Bikeshare Transfer Trip Chains by Matching Docked Bikeshare and Metro Smartcards. Energies, 2022, 15, 203.	3.1	3
2	Open Experimental Data-Sets to Reveal Behavioural Insights of High-Deck Coach Evacuations. Fire Technology, 2022, 58, 2313-2356.	3.0	3
3	Empirical findings on infrastructure efficiency at a bicycle T-junction. Physica A: Statistical Mechanics and Its Applications, 2021, 567, 125675.	2.6	2
4	Experimental study on evacuation behaviour of passengers in a high-deck coach: A Chinese case study. Physica A: Statistical Mechanics and Its Applications, 2021, 579, 126120.	2.6	7
5	Macroscopic pedestrian flow simulation using Smoothed Particle Hydrodynamics (SPH). Transportation Research Part C: Emerging Technologies, 2020, 111, 334-351.	7.6	16
6	Hierarchical ramp metering in freeways: An aggregated modeling and control approach. Transportation Research Part C: Emerging Technologies, 2020, 110, 1-19.	7.6	46
7	A comparison in travel patterns and determinants of user demand between docked and dockless bike-sharing systems using multi-sourced data. Transportation Research, Part A: Policy and Practice, 2020, 139, 148-173.	4.2	77
8	Bike-sharing systemsâ€™ impact on modal shift: A case study in Delft, the Netherlands. Journal of Cleaner Production, 2020, 259, 120846.	9.3	91
9	Comparison of usage regularity and its determinants between docked and dockless bike-sharing systems: A case study in Nanjing, China. Journal of Cleaner Production, 2020, 255, 120110.	9.3	54
10	A Lagrangian traffic flow model considering lane changing behavior: formulation and numerical implementation. , 2020, , .		1
11	Modelling cyclist queue formation using a two-layer framework for operational cycling behaviour. Transportation Research Part C: Emerging Technologies, 2019, 105, 468-484.	7.6	25
12	Analysis of Bicycle Headway Distribution, Saturation Flow and Capacity at a Signalized Intersection using Empirical Trajectory Data. Transportation Research Record, 2019, 2673, 10-21.	1.9	11
13	Large-Scale Bicycle Flow Experiment: Setup and Implementation. Transportation Research Record, 2019, 2673, 709-719.	1.9	15
14	An Extended Linear Quadratic Model Predictive Control Approach for Multi-Destination Urban Traffic Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3647-3660.	8.0	11
15	Social Force Model Describing Pedestrian and Cyclist Behaviour in Shared Spaces. , 2019, , 477-486.		3
16	Empirical Analysis of the Macroscopic Characteristics of Bicycle Flow during the Queue Discharge Process at a Signalized Intersection. Transportation Research Record, 2018, 2672, 51-62.	1.9	8
17	Investigating cyclist interaction behavior through a controlled laboratory experiment. Journal of Transport and Land Use, 2018, 11, .	1.2	21
18	Resolving freeway jam waves by discrete first-order model-based predictive control of variable speed limits. Transportation Research Part C: Emerging Technologies, 2017, 77, 405-420.	7.6	91

#	Article	IF	Citations
19	Traffic state estimation based on Eulerian and Lagrangian observations in a mesoscopic modeling framework. Transportation Research Part B: Methodological, 2017, 101, 51-71.	5.9	25
20	Validation of an extended discrete first-order model with variable speed limits. Transportation Research Part C: Emerging Technologies, 2017, 83, 1-17.	7.6	22
21	New Extended Discrete First-Order Model to Reproduce Propagation of Jam Waves. Transportation Research Record, 2016, 2560, 108-118.	1.9	14
22	Generalized Adaptive Smoothing Method for State Estimation of Generic Two-Dimensional Flows. Transportation Research Record, 2016, 2561, 18-24.	1.9	0
23	Comparison of three algorithms for real-time pedestrian state estimation - supporting a monitoring dashboard for large-scale events. , 2016, , .		6
24	Estimation of Missing Flow at Junctions Using Control Plan and Floating Car Data. Transportation Research Procedia, 2015, 10, 113-123.	1.5	3
25	Coordinated ramp metering with priorities. IET Intelligent Transport Systems, 2015, 9, 639-645.	3.0	11
26	Linear Quadratic MPC for Integrated Route Guidance and Ramp Metering. , 2015, , .		9
27	Efficient Traffic State Estimation and Prediction Based on the Ensemble Kalman Filter with a Fast Implementation and Localized Deterministic Scheme. , 2015, , .		6
28	Integrated network Linear-Quadratic Model Predictive Control for disturbance on freeways. , 2015, , .		0
29	Mesoscopic Traffic State Estimation based on a Variational Formulation of the LWR Model in Lagrangian-space Coordinates and Kalman Filter. Transportation Research Procedia, 2015, 10, 82-92.	1.5	22
30	Traffic monitoring for coordinated traffic management&#x2014;Experiences from the field trial integrated traffic management in Amsterdam. , 2014, , .		0
31	Network-Wide Traffic State Estimation Using Loop Detector and Floating Car Data. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 41-50.	4.2	88
32	The transition between normal and emergency driving behaviour during evacuation and its implications for traffic flow operations and traffic management. , 2014, , .		0
33	Discontinuities in the Lagrangian formulation of the kinematic wave model. Transportation Research Part C: Emerging Technologies, 2013, 34, 148-161.	7.6	25
34	Estimation of Multiclass and Multilane Counts from Aggregate Loop Detector Data. Transportation Research Record, 2012, 2308, 120-127.	1.9	1
35	Real-Time Lagrangian Traffic State Estimator for Freeways. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 59-70.	8.0	166
36	Freeway traffic state estimation using extended Kalman filter for first-order traffic model in Lagrangian coordinates. , 2011, , .		10

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37	Automatic speed-bias correction with flow-density relationships. , 2010, , .		4
38	Traffic parameter estimation on motorway networks by combination of filtering techniques. , 2009, , .		0
39	Coordination of agent-based control in a freeway network. , 2009, , .		3
40	Coordination Concepts for Ramp Metering Control in a Freeway Network. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 612-618.	0.4	4