

# Yufei Yuan

## List of Publications by Year in descending order

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40  
papers

904  
citations

623574

14  
h-index

526166

27  
g-index

40  
all docs

40  
docs citations

40  
times ranked

727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Lagrangian Traffic State Estimator for Freeways. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 59-70.	4.7	166
2	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.	3.9	91
3	Bike-sharing systems's impact on modal shift: A case study in Delft, the Netherlands. Journal of Cleaner Production, 2020, 259, 120846.	4.6	91
4	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.	2.6	88
5	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.	2.0	77
6	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.	4.6	54
7	Hierarchical ramp metering in freeways: An aggregated modeling and control approach. Transportation Research Part C: Emerging Technologies, 2020, 110, 1-19.	3.9	46
8	Discontinuities in the Lagrangian formulation of the kinematic wave model. Transportation Research Part C: Emerging Technologies, 2013, 34, 148-161.	3.9	25
9	Traffic state estimation based on Eulerian and Lagrangian observations in a mesoscopic modeling framework. Transportation Research Part B: Methodological, 2017, 101, 51-71.	2.8	25
10	Modelling cyclist queue formation using a two-layer framework for operational cycling behaviour. Transportation Research Part C: Emerging Technologies, 2019, 105, 468-484.	3.9	25
11	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.	0.8	22
12	Validation of an extended discrete first-order model with variable speed limits. Transportation Research Part C: Emerging Technologies, 2017, 83, 1-17.	3.9	22
13	Investigating cyclist interaction behavior through a controlled laboratory experiment. Journal of Transport and Land Use, 2018, 11, .	0.7	21
14	Macroscopic pedestrian flow simulation using Smoothed Particle Hydrodynamics (SPH). Transportation Research Part C: Emerging Technologies, 2020, 111, 334-351.	3.9	16
15	Large-Scale Bicycle Flow Experiment: Setup and Implementation. Transportation Research Record, 2019, 2673, 709-719.	1.0	15
16	New Extended Discrete First-Order Model to Reproduce Propagation of Jam Waves. Transportation Research Record, 2016, 2560, 108-118.	1.0	14
17	Coordinated ramp metering with priorities. IET Intelligent Transport Systems, 2015, 9, 639-645.	1.7	11
18	Analysis of Bicycle Headway Distribution, Saturation Flow and Capacity at a Signalized Intersection using Empirical Trajectory Data. Transportation Research Record, 2019, 2673, 10-21.	1.0	11

#	ARTICLE	IF	CITATIONS
19	An Extended Linear Quadratic Model Predictive Control Approach for Multi-Destination Urban Traffic Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3647-3660.	4.7	11
20	Freeway traffic state estimation using extended Kalman filter for first-order traffic model in Lagrangian coordinates. , 2011, , .		10
21	Linear Quadratic MPC for Integrated Route Guidance and Ramp Metering. , 2015, , .		9
22	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.	1.0	8
23	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.	1.2	7
24	Efficient Traffic State Estimation and Prediction Based on the Ensemble Kalman Filter with a Fast Implementation and Localized Deterministic Scheme. , 2015, , .		6
25	Comparison of three algorithms for real-time pedestrian state estimation - supporting a monitoring dashboard for large-scale events. , 2016, , .		6
26	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
27	Automatic speed-bias correction with flow-density relationships. , 2010, , .		4
28	Coordination of agent-based control in a freeway network. , 2009, , .		3
29	Estimation of Missing Flow at Junctions Using Control Plan and Floating Car Data. Transportation Research Procedia, 2015, 10, 113-123.	0.8	3
30	Social Force Model Describing Pedestrian and Cyclist Behaviour in Shared Spaces. , 2019, , 477-486.		3
31	Identification of Metro-Bikeshare Transfer Trip Chains by Matching Docked Bikeshare and Metro Smartcards. Energies, 2022, 15, 203.	1.6	3
32	Open Experimental Data-Sets to Reveal Behavioural Insights of High-Deck Coach Evacuations. Fire Technology, 2022, 58, 2313-2356.	1.5	3
33	Empirical findings on infrastructure efficiency at a bicycle T-junction. Physica A: Statistical Mechanics and Its Applications, 2021, 567, 125675.	1.2	2
34	Estimation of Multiclass and Multilane Counts from Aggregate Loop Detector Data. Transportation Research Record, 2012, 2308, 120-127.	1.0	1
35	A Lagrangian traffic flow model considering lane changing behavior: formulation and numerical implementation. , 2020, , .		1
36	Traffic parameter estimation on motorway networks by combination of filtering techniques. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	Traffic monitoring for coordinated traffic management&#x2014;Experiences from the field trial integrated traffic management in Amsterdam. , 2014, , .		0
38	The transition between normal and emergency driving behaviour during evacuation and its implications for traffic flow operations and traffic management. , 2014, , .		0
39	Integrated network Linear-Quadratic Model Predictive Control for disturbance on freeways. , 2015, , .		0
40	Generalized Adaptive Smoothing Method for State Estimation of Generic Two-Dimensional Flows. Transportation Research Record, 2016, 2561, 18-24.	1.0	0