Miho Iryo-Asano

List of Publications by Year
in descending order

50	1,099	516710 16	414414 32
papers	citations	h-index	g-index

51	51	51	786
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of social force model to pedestrian behavior analysis at signalized crosswalk. Transportation Research Part C: Emerging Technologies, 2014, 40, 143-159.	7.6	199
2	Microscopic pedestrian simulation model combined with a tactical model for route choice behaviour. Transportation Research Part C: Emerging Technologies, 2010, 18, 842-855.	7.6	148
3	Left-turn gap acceptance models considering pedestrian movement characteristics. Accident Analysis and Prevention, 2013, 50, 175-185.	5.7	59
4	Stochastic approach for modeling the effects of intersection geometry on turning vehicle paths. Transportation Research Part C: Emerging Technologies, 2013, 32, 179-192.	7.6	53
5	Studying critical pedestrian behavioral changes for the safety assessment at signalized crosswalks. Safety Science, 2017, 91, 351-360.	4.9	53
6	Dynamic Cell Transmissionâ€“Based Pedestrian Model with Multidirectional Flows and Strategic Route Choices. Transportation Research Record, 2007, 2039, 42-49.	1.9	52
7	Estimation of left-turning vehicle maneuvers for the assessment of pedestrian safety at intersections. IATSS Research, 2012, 36, 66-74.	3.4	52
8	A probabilistic model of pedestrian crossing behavior at signalized intersections for connected vehicles. Transportation Research Part C: Emerging Technologies, 2016, 71, 164-181.	7.6	49
9	Modeling pedestrian crossing speed profiles considering speed change behavior for the safety assessment of signalized intersections. Accident Analysis and Prevention, 2017, 108, 332-342.	5.7	46
10	Human-like motion planning model for driving in signalized intersections. IATSS Research, 2017, 41, 129-139.	3.4	41
11	Calibrating a social force based model for simulating personal mobility vehicles and pedestrian mixed traffic. Simulation Modelling Practice and Theory, 2018, 87, 395-411.	3.8	35
12	Modeling pedestriansâ€™ subjective danger perception toward personal mobility vehicles. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 56, 256-267.	3.7	34
13	Effects of Bi-directional Pedestrian Flow Characteristics upon the Capacity of Signalized Crosswalks. Procedia, Social and Behavioral Sciences, 2011, 16, 526-535.	0.5	30
14	Analysis and Modeling of Pedestrian Crossing Behavior During the Pedestrian Flashing Green Interval. IEEE Transactions on Intelligent Transportation Systems, 2014, , 1-12.	8.0	22
15	A novel agent-based framework for evaluating pedestrian safety at unsignalized mid-block crosswalks. Accident Analysis and Prevention, 2021, 159, 106288.	5.7	19
16	Analysis of Pedestrian Clearance Time at Signalized Crosswalks in Japan. Procedia Computer Science, 2014, 32, 301-308.	2.0	18
17	Development of Microscopic Traffic Simulation Model for Safety Assessment at Signalized Intersections. Transportation Research Record, 2012, 2316, 122-131.	1.9	17
18	Modeling Trajectories and Trajectory Variation of Turning Vehicles at Signalized Intersections. IEEE Access, 2020, 8, 109821-109834.	4.2	17

#	Article	IF	Citations
19	Applicability of Virtual Reality Systems for Evaluating Pedestriansâ€™ Perception and Behavior. Transportation Research Procedia, 2018, 34, 67-74.	1.5	16
20	Consideration of a Pedestrian Speed Change Model in the Pedestrianâ€“Vehicle Safety Assessment of Signalized Crosswalks. Transportation Research Procedia, 2017, 21, 87-97.	1.5	13
21	Predicting Optimal Trajectory of Left-Turning Vehicle at Signalized Intersection. Transportation Research Procedia, 2017, 21, 240-250.	1.5	12
22	Saturation Flow Rate Analysis for Shared Left-turn Lane at ignalized Intersections in Japan. Procedia, Social and Behavioral Sciences, 2011, 16, 548-559.	0.5	11
23	Can automated driving prevent crashes with distracted Pedestrians? An exploration of motion planning at unsignalized Mid-block crosswalks. Accident Analysis and Prevention, 2022, 173, 106711.	5.7	11
24	A Study on the Impact of AV-HDV Mixed Traffic on Flow Dynamics of Single-Lane Motorway. Transportation Research Procedia, 2018, 34, 219-226.	1.5	8
25	A Pedestrian Model Considering Anticipatory Behaviour for Capacity Evaluation. , 2009, , 559-581.		8
26	Lane Utilization Analysis of Shared Left-turn Lane Based on Saturation Flow Rate Modeling. Procedia, Social and Behavioral Sciences, 2012, 43, 178-191.	0.5	7
27	A novel hierarchical cooperative merging control model of connected and automated vehicles featuring flexible merging positions in system optimization. Transportation Research Part C: Emerging Technologies, 2022, 138, 103650.	7.6	7
28	Lane-Based Breakdown Identification at Diverge Sections for Breakdown Probability Modeling. Transportation Research Record, 2013, 2395, 83-92.	1.9	6
29	Estimation of Roundabout Entry Capacity under the Impact of Pedestrians by Applying Microscopic Simulation. Transportation Research Record, 2014, 2461, 113-120.	1.9	6
30	Variability of observed driversâ€™ car-following behavior on expressway basic segment. Transportation Research Procedia, 2017, 25, 1503-1532.	1.5	6
31	Interactions between autonomous vehicles and pedestrians at unsignalized mid-block crosswalks considering occlusions by opposing vehicles. Accident Analysis and Prevention, 2021, 163, 106468.	5.7	6
32	A Real Time Traffic Signal Control by Self-Evaluating Delay. Infrastructure Planning Review, 2003, 20, 879-886.	0.1	5
33	A comparative study on crash-influencing factors by facility types on urban expressway. Journal of Modern Transportation, 2013, 21, 224-235.	2.5	5
34	MODELING PEDESTRIAN SPEED AT SIGNALIZED CROSSWALKS CONSIDERING CROSSWALK LENGTH AND PEDESTRIAN SIGNAL TIMING. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning) Tj ETQq0 0 0 rgBT /Overlock 10		5
35	Safety evaluation of personal mobility vehicles and pedestrians under mixed traffic flow using traffic simulation. Asian Transport Studies, 2022, 8, 100049.	1.4	5
36	Examining Factors of Walking Disutility for Microscopic Pedestrian Model â€“ A Virtual Reality Approach. Procedia, Social and Behavioral Sciences, 2013, 80, 940-959.	0.5	3

#	Article	IF	Citations
37	A Study on Variations of Car-following Behavior at Sag Sections and the Impact of Introducing ACC System. , 2015, , .		3
38	Modeling Traffic Flows on Urban Arterials Considering the Downstream Influence. Transportation Research Record, 2020, 2674, 475-485.	1.9	3
39	ANALYSIS OF RIGHT-TURN VEHICLE BEHAVIOR IN PROTECTED RIGHTTURN PHASE FOR PLANNING SIGNALIZED INTERSECTION IMPROVEMENT. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	2
40	Experimental Investigation of Pedestrian Queuing Behaviour. , 2019, , 177-185.		2
41	A study on crossing speed profiles of pedestrians at signalized crosswalks. Journal of Local and Global Health Science, 2015, 2015, .	0.2	1
42	ESTIMATION OF EXPECTED PEDESTRIAN PRESENCE-TIME AT THE CONFLICT-AREA OF SIGNALIZED CROSSWALKS. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537	0.1	0
43	A Experiment of the Information System at â€œStop-and-goâ€•Merging Section. Infrastructure Planning Review, 2003, 20, 865-870.	0.1	0
44	A STUDY ON THE STOPPING CHARACTERISTICS OF KISS-AND-RIDE VEHICLES IN STATION PLAZAS. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management), 2011, 67, 67_I_1079-67_I_1087.	0.1	0
45	EVALUATION OF THE FUNCTIONALLY HIERARCHICAL ROAD NETWORK CONSIDERING JUNCTION TYPES. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure Planning and Management), 2012, 68, I_751-I_764.	0.1	0
46	TRAFFIC SIMULATION MODEL FOR ACCESS ROADS TO TRANSFER STATIONS CONSIDERING STOP POSITION CHOICE OF KISS-AND-RIDE VEHICLES. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	0
47	AN EXPECTED DELAY ESTIMATION METHOD FOR SIGNALIZED ARTERIAL ROADS BASED ON VARIATIONAL FORMULATION OF KINEMATIC WAVES. Journal of Japan Society of Civil Engineers Ser D3 (Infrastructure) Tj ETQq1 1 0.784314 rgBT /Ov	0.1	0
48	A Study on the Average Travel Speed on Interrupted Flow Multi-Lane Highways. Transportation Research Procedia, 2018, 34, 51-58.	1.5	0
49	Efficiency and Safety Evaluation of Left-turn Vehicles and Crossing Pedestrians in Signalized Intersections under the Autonomous Vehicle Mixed Flow Condition. International Journal of Intelligent Transportation Systems Research, 0, , 1.	1.1	0
50	Pedestrian Crossing (Crosswalk). , 2021, , 346-354.		0