

K Larry Head

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/681331/publications.pdf>

Version: 2024-02-01

47
papers

2,940
citations

257101

24
h-index

264894

42
g-index

47
all docs

47
docs citations

47
times ranked

1716
citing authors

#	ARTICLE	IF	CITATIONS
1	A real-time traffic signal control system: architecture, algorithms, and analysis. <i>Transportation Research Part C: Emerging Technologies</i> , 2001, 9, 415-432.	3.9	476
2	Surrogate Safety Measures from Traffic Simulation Models. <i>Transportation Research Record</i> , 2003, 1840, 104-115.	1.0	389
3	A real-time adaptive signal control in a connected vehicle environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 55, 460-473.	3.9	384
4	PAMSCOD: Platoon-based arterial multi-modal signal control with online data. <i>Transportation Research Part C: Emerging Technologies</i> , 2012, 20, 164-184.	3.9	213
5	Controlled Optimization of Phases at an Intersection. <i>Transportation Science</i> , 1997, 31, 5-17.	2.6	203
6	Multi-modal traffic signal control with priority, signal actuation and coordination. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 46, 65-82.	3.9	187
7	ACS-Lite Algorithmic Architecture: Applying Adaptive Control System Technology to Closed-Loop Traffic Signal Control Systems. <i>Transportation Research Record</i> , 2003, 1856, 175-184.	1.0	90
8	Integrated optimization of transit priority operation at isolated intersections: A person-capacity-based approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 40, 49-62.	3.9	76
9	Real-Time Offset Transitioning Algorithm for Coordinating Traffic Signals. <i>Transportation Research Record</i> , 2001, 1748, 26-39.	1.0	62
10	Heuristic Algorithm for Priority Traffic Signal Control. <i>Transportation Research Record</i> , 2011, 2259, 1-7.	1.0	62
11	Adaptive Coordination Based on Connected Vehicle Technology. <i>Transportation Research Record</i> , 2017, 2619, 1-12.	1.0	62
12	Optimal operation of displaced left-turn intersections: A lane-based approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 61, 29-48.	3.9	53
13	Hybrid simulation and optimization-based design and operation of integrated photovoltaic generation, storage units, and grid. <i>Simulation Modelling Practice and Theory</i> , 2011, 19, 463-481.	2.2	48
14	Integrated optimization of lane markings and timings for signalized roundabouts. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 36, 307-323.	3.9	48
15	Decision Model for Priority Control of Traffic Signals. <i>Transportation Research Record</i> , 2006, 1978, 169-177.	1.0	44
16	Development and evaluation of bus lanes with intermittent and dynamic priority in connected vehicle environment. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2018, 22, 301-310.	2.6	44
17	Data-Driven Algorithms for Real-Time Adaptive Tuning of Offsets in Coordinated Traffic Signal Systems. <i>Transportation Research Record</i> , 2007, 2035, 1-9.	1.0	41
18	An Approach Towards the Integration of Bus Priority, Traffic Adaptive Signal Control, and Bus Information/Scheduling Systems. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2001, , 319-334.	0.3	36

#	ARTICLE	IF	CITATIONS
19	Sustainability provisions in the bus-scheduling problem. <i>Transportation Research, Part D: Transport and Environment</i> , 2009, 14, 50-60.	3.2	34
20	Connected Vehicle-Based Adaptive Signal Control and Applications. <i>Transportation Research Record</i> , 2016, 2558, 11-19.	1.0	33
21	Decision Model for Priority Control of Traffic Signals. , 0, .		33
22	Efficient Priority Control Model for Multimodal Traffic Signals. <i>Transportation Research Record</i> , 2016, 2557, 86-99.	1.0	29
23	Coordinated Optimization of Signal Timings for Intersection Approach with Presignals. <i>Transportation Research Record</i> , 2013, 2355, 93-104.	1.0	28
24	Effective Coordinated Optimization Model for Transit Priority Control under Arterial Progression. <i>Transportation Research Record</i> , 2013, 2366, 71-83.	1.0	27
25	Optimization of pedestrian phase patterns at signalized intersections: a multi-objective approach. <i>Journal of Advanced Transportation</i> , 2014, 48, 1138-1152.	0.9	27
26	Optimal Intersection Operation with Median U-Turn. <i>Transportation Research Record</i> , 2014, 2439, 71-82.	1.0	22
27	Long Green Times and Cycles at Congested Traffic Signals. <i>Transportation Research Record</i> , 2009, 2128, 1-10.	1.0	20
28	Simulation-Based Optimization of Maximum Green Setting under Retrospective Approximation Framework. <i>Transportation Research Record</i> , 2010, 2192, 1-10.	1.0	16
29	Peer-to-Peer Priority Signal Control Strategy in a Connected Vehicle Environment. <i>Transportation Research Record</i> , 2018, 2672, 15-26.	1.0	16
30	Performance Analysis of Coordinated Traffic Signals during Transition. <i>Transportation Research Record</i> , 2007, 2035, 19-31.	1.0	14
31	Modeling Traffic Signal Operations with Precedence Graphs. <i>Transportation Research Record</i> , 2007, 2035, 10-18.	1.0	12
32	Hybrid simulation and optimization-based capacity planner for integrated photovoltaic generation with storage units. , 2009, , .		12
33	Assistive System to Improve Pedestrians' Safety and Mobility in a Connected Vehicle Technology Environment. <i>Transportation Research Record</i> , 2018, 2672, 145-156.	1.0	12
34	PAMSCOD: Platoon-based Arterial Multi-modal Signal Control with Online Data. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 17, 462-489.	0.5	11
35	Heuristic algorithms to solve mixed integer LP formulations for traffic signal control problems. , 2010, , .		10
36	Quantitative Analysis of Smooth Progression in Traffic Signal Systems. <i>Journal of Transportation Engineering Part A: Systems</i> , 2018, 144, .	0.8	10

#	ARTICLE	IF	CITATIONS
37	Infrastructure-Based Sensor Data Capture Systems for Measurement of Operational Safety Assessment (OSA) Metrics. SAE International Journal of Advances and Current Practices in Mobility, 0, 3, 1933-1944.	2.0	9
38	Remote Simulation to Evaluate Real-Time Traffic Control Strategies. Transportation Research Record, 2000, 1727, 95-100.	1.0	8
39	Dynamic Turning Restriction Management for Signalized Road Network. Transportation Research Record, 2015, 2487, 96-111.	1.0	8
40	Improving the operational performance of two-quadrant parclo interchanges with median U-turn concept. Transportmetrica B, 2018, 6, 190-210.	1.4	7
41	Unified Route Choice Framework. Transportation Research Record, 2014, 2466, 105-113.	1.0	6
42	Use of an Automatic Under-Vehicle Inspection System as a Tool to Streamline Vehicle Screening at Ports of Entry and Security Checkpoints. , 2012, , .		4
43	Estimating Vehicles in the Dilemma Zone and Application to Fixed-Time Coordinated Signal Optimization. Transportation Research Record, 2014, 2439, 62-70.	1.0	4
44	Vehicle Reidentification in a Connected Vehicle Environment using Machine Learning Algorithms. Transportation Research Record, 2018, 2672, 160-172.	1.0	4
45	Traffic Signal Priority Control Strategy for Connected Emergency Vehicles with Dilemma Zone Protection for Freight Vehicles. Transportation Research Record, 2022, 2676, 499-517.	1.0	3
46	Multimodal Data Analytics Comparative Visualization Tool: Case Study of Pedestrian Crossing Design. Transportation Research Record, 2016, 2557, 44-54.	1.0	2
47	Resonant Cycles under various Intersection Spacing, Speeds, and Traffic Signal Operational Treatments. Transportation Research Record, 2015, 2488, 87-96.	1.0	1