

Hai L. Vu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/949537/publications.pdf>

Version: 2024-02-01

88
papers

2,840
citations

201385

27
h-index

189595

50
g-index

88
all docs

88
docs citations

88
times ranked

2453
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the long-term regional impacts of autonomous vehicles: A case study of Victoria, Australia. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2023, 27, 459-470.	2.6	1
2	Dynamic V2I/V2V Cooperative Scheme for Connectivity and Throughput Enhancement. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 1236-1246.	4.7	20
3	Boosted Genetic Algorithm Using Machine Learning for Traffic Control Optimization. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 7112-7141.	4.7	23
4	A System Optimal Speed Advisory Framework for a Network of Connected and Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 5727-5739.	4.7	6
5	Scheduling and Power Control for Connectivity Enhancement in Multi-Hop I2V/V2V Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 10322-10332.	4.7	8
6	Short-term traffic flow prediction in bike-sharing networks. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2022, 26, 461-475.	2.6	12
7	Understanding bikeability: a methodology to assess urban networks. <i>Transportation</i> , 2022, 49, 897-925.	2.1	9
8	A unified activity-based framework for one-way car-sharing services in multi-modal transportation networks. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 157, 102551.	3.7	10
9	A novel metamodel-based framework for large-scale dynamic origin-destination demand calibration. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 136, 103545.	3.9	9
10	Modeling public acceptance of private autonomous vehicles: Value of time and motion sickness viewpoints. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 137, 103548.	3.9	10
11	Enhancing Covid-19 virus spread modeling using an activity travel model. <i>Transportation Research, Part A: Policy and Practice</i> , 2022, 161, 186-199.	2.0	1
12	An Automated Detection Framework for Multiple Highway Bottleneck Activations. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 5678-5692.	4.7	2
13	Analyzing the inconsistency in driving patterns between manual and autonomous modes under complex driving scenarios with a VR-enabled simulation platform. <i>Journal of Intelligent and Connected Vehicles</i> , 2022, 5, 215-234.	3.6	11
14	An agent-based model for real-time bus stop-skipping and holding schemes. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 615-647.	1.3	10
15	Studying freeway merging conflicts using virtual reality technology. <i>Journal of Safety Research</i> , 2021, 76, 16-29.	1.7	13
16	Percolation of heterogeneous flows uncovers the bottlenecks of infrastructure networks. <i>Nature Communications</i> , 2021, 12, 1254.	5.8	47
17	A novel urban congestion pricing scheme considering travel cost perception and level of service. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 125, 103042.	3.9	29
18	On-road virtual reality autonomous vehicle (VRAV) simulator: An empirical study on user experience. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 126, 103090.	3.9	22

#	ARTICLE	IF	CITATIONS
19	Multipath TCP Meets Transfer Learning: A Novel Edge-Based Learning for Industrial IoT. IEEE Internet of Things Journal, 2021, 8, 10299-10307.	5.5	24
20	Automated extraction of origin-destination demand for public transportation from smartcard data with pattern recognition. Transportation Research Part C: Emerging Technologies, 2021, 129, 103210.	3.9	6
21	A framework for railway transit network design with first-mile shared autonomous vehicles. Transportation Research Part C: Emerging Technologies, 2021, 130, 103223.	3.9	11
22	A spatio-temporal ensemble method for large-scale traffic state prediction. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 26-44.	6.3	40
23	H ∞ robust perimeter flow control in urban networks with partial information feedback. Transportation Research Part B: Methodological, 2020, 137, 47-73.	2.8	51
24	Adaptive Admission Control for IoT Applications in Home WiFi Networks. IEEE Transactions on Mobile Computing, 2020, 19, 2731-2742.	3.9	33
25	Macroscopic pedestrian flow simulation using Smoothed Particle Hydrodynamics (SPH). Transportation Research Part C: Emerging Technologies, 2020, 111, 334-351.	3.9	16
26	Influence ranking of road segments in urban road traffic networks. Computing (Vienna/New York), 2020, 102, 2333-2360.	3.2	3
27	Fifty Years of Accident Analysis & Prevention: A Bibliometric and Scientometric Overview. Accident Analysis and Prevention, 2020, 144, 105568.	3.0	49
28	Integration of Departure Time Choice Modeling and Dynamic Origin-Destination Demand Estimation in a Large-Scale Network. Transportation Research Record, 2020, 2674, 972-981.	1.0	5
29	Studying the Impact of Public Transport on Disaster Evacuation. , 2020, , .		0
30	A Hierarchical Control Framework for Coordination of Intersection Signal Timings in All Traffic Regimes. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1815-1827.	4.7	18
31	Fair Coexistence of Regular and Multipath TCP over Wireless Last-Miles. IEEE Transactions on Mobile Computing, 2019, 18, 574-587.	3.9	16
32	Application of Strategic Transport Model and Google Maps to Develop Better Clot Retrieval Stroke Service. Frontiers in Neurology, 2019, 10, 692.	1.1	6
33	Multiple model stochastic filtering for traffic density estimation on urban arterials. Transportation Research Part B: Methodological, 2019, 126, 280-306.	2.8	7
34	Mapping the knowledge domain of road safety studies: A scientometric analysis. Accident Analysis and Prevention, 2019, 132, 105243.	3.0	36
35	An effective spatial-temporal attention based neural network for traffic flow prediction. Transportation Research Part C: Emerging Technologies, 2019, 108, 12-28.	3.9	170
36	Mobility-Aware Multipath Communication for Unmanned Aerial Surveillance Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6088-6098.	3.9	27

#	ARTICLE	IF	CITATIONS
37	Feature extraction and clustering analysis of highway congestion. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 100, 238-258.	3.9	56
38	Guest Editorial Introduction to the Special Issue on Intelligent Transportation Systems Empowered by AI Technologies. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 3765-3770.	4.7	3
39	System optimal dynamic traffic assignment: solution structures of the signal control in non-holding-back formulations. <i>Transportmetrica B</i> , 2019, 7, 967-991.	1.4	2
40	Survey of neural network-based models for short-term traffic state prediction. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019, 9, e1285.	4.6	59
41	A linear framework for dynamic user equilibrium traffic assignment in a single origin-destination capacitated network. <i>Transportation Research Part B: Methodological</i> , 2019, 126, 329-352.	2.8	8
42	Capturing the Spatiotemporal Evolution in Road Traffic Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018, 30, 1426-1439.	4.0	26
43	Beacon Rate Optimization for Vehicular Safety Applications in Highway Scenarios. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 524-536.	3.9	25
44	A linear bus rapid transit with transit signal priority formulation. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018, 114, 163-184.	3.7	19
45	Studying the Safety Impact of Autonomous Vehicles Using Simulation-Based Surrogate Safety Measures. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-11.	0.9	160
46	Visualization and analysis of mapping knowledge domain of road safety studies. <i>Accident Analysis and Prevention</i> , 2018, 118, 131-145.	3.0	219
47	An informed user equilibrium dynamic traffic assignment problem in a multiple origin-destination stochastic network. <i>Transportation Research Part B: Methodological</i> , 2018, 115, 207-230.	2.8	7
48	Analysis of Multi-Hop Probabilistic Forwarding for Vehicular Safety Applications on Highways. <i>IEEE Transactions on Mobile Computing</i> , 2017, 16, 918-933.	3.9	15
49	Analytical Modeling of Multipath TCP Over Last-Mile Wireless. <i>IEEE/ACM Transactions on Networking</i> , 2017, 25, 1876-1891.	2.6	29
50	Utility optimization framework for a distributed traffic control of urban road networks. <i>Transportation Research Part B: Methodological</i> , 2017, 105, 539-558.	2.8	23
51	Characterising Green Light Optimal Speed Advisory trajectories for platoon-based optimisation. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 82, 43-62.	3.9	69
52	Partitioning road networks using density peak graphs: Efficiency vs. accuracy. <i>Information Systems</i> , 2017, 64, 22-40.	2.4	33
53	Traffic Congestion Pattern Classification Using Multiclass Active Shape Models. <i>Transportation Research Record</i> , 2017, 2645, 94-103.	1.0	9
54	A strategic timing of arrivals to a linear slowdown processor sharing system. <i>European Journal of Operational Research</i> , 2016, 255, 496-504.	3.5	7

#	ARTICLE	IF	CITATIONS
55	Temporal Tracking of Congested Partitions in Dynamic Urban Road Networks. Transportation Research Record, 2016, 2595, 88-97.	1.0	9
56	TCP Performance over Wi-Fi: Joint Impact of Buffer and Channel Losses. IEEE Transactions on Mobile Computing, 2016, 15, 1279-1291.	3.9	35
57	Tracking the Evolution of Congestion in Dynamic Urban Road Networks. , 2016, , .		12
58	RoadRank. , 2015, , .		12
59	Decentralized signal control for urban road networks. Transportation Research Part C: Emerging Technologies, 2015, 58, 431-450.	3.9	133
60	Performance analysis and optimization of best-effort service in IEEE 802.16 networks. Wireless Communications and Mobile Computing, 2014, 14, 254-268.	0.8	3
61	Optimal designs for IEEE 802.15.4 wireless sensor networks. Wireless Communications and Mobile Computing, 2013, 13, 1681-1692.	0.8	3
62	Shortest Paths in Stochastic Time-Dependent Networks with Link Travel Time Correlation. Transportation Research Record, 2013, 2338, 58-66.	1.0	9
63	Performance Modeling of Broadcast Polling in IEEE 802.16 Networks with Finite-Buffered Subscriber Stations. IEEE Transactions on Wireless Communications, 2012, 11, 4514-4523.	6.1	4
64	Performance Analysis of the IEEE 802.11 MAC Protocol for DSRC Safety Applications. IEEE Transactions on Vehicular Technology, 2011, 60, 3882-3896.	3.9	190
65	Handoff Optimization Using Hidden Markov Model. IEEE Signal Processing Letters, 2011, 18, 411-414.	2.1	4
66	VoIP Capacity Analysis, Improvements, and Limits in IEEE 802.11 Wireless LAN. IEEE Transactions on Vehicular Technology, 2010, 59, 4553-4563.	3.9	25
67	AN ESTIMATION OF SENSOR ENERGY CONSUMPTION. Progress in Electromagnetics Research B, 2009, 12, 259-295.	0.7	162
68	Deflection-based transmission protocol for LAN operation in a PON system. Photonic Network Communications, 2009, 18, 129-136.	1.4	1
69	Designing an Optimal Scheduler Buffer in OBS Networks. Journal of Lightwave Technology, 2008, 26, 2046-2054.	2.7	6
70	Priority-Based Duplicate Burst Transmission Mechanism in Optical Burst Switching Networks. ETRI Journal, 2008, 30, 164-166.	1.2	5
71	On Achieving the Optimal Performance of FDL Buffers Using Burst Assembly. IEEE Communications Letters, 2007, 11, 895-897.	2.5	6
72	MAC Access Delay of IEEE 802.11 DCF. IEEE Transactions on Wireless Communications, 2007, 6, 1702-1710.	6.1	164

#	ARTICLE	IF	CITATIONS
73	Packet loss analysis of the IEEE 802.15.4 MAC without acknowledgements. IEEE Communications Letters, 2007, 11, 79-81.	2.5	40
74	The waiting time distribution for a TDMA model with a finite buffer and state-dependent service. IEEE Transactions on Communications, 2005, 53, 1522-1533.	4.9	15
75	Signal-based evaluation of handoff algorithms. IEEE Communications Letters, 2005, 9, 790-792.	2.5	33
76	Scalable performance evaluation of a hybrid optical switch. Journal of Lightwave Technology, 2005, 23, 2961-2973.	2.7	35
77	TCP over OBS - fixed-point load and loss. Optics Express, 2005, 13, 9167.	1.7	16
78	Performance analysis of an OBS edge router. IEEE Photonics Technology Letters, 2004, 16, 695-697.	1.3	15
79	On Teletraffic Applications to OBS. IEEE Communications Letters, 2004, 8, 116-118.	2.5	43
80	Reducing Spare Capacity Through Traffic Splitting. IEEE Communications Letters, 2004, 8, 594-596.	2.5	3
81	Performance analyses of optical burst-switching networks. IEEE Journal on Selected Areas in Communications, 2003, 21, 1187-1197.	9.7	135
82	Burst segmentation benefit in optical switching. IEEE Communications Letters, 2003, 7, 127-129.	2.5	14
83	A framework for solving logical topology design problems within constrained computation time. IEEE Communications Letters, 2003, 7, 499-501.	2.5	5
84	Blocking probability for priority classes in optical burst switching networks. IEEE Communications Letters, 2002, 6, 214-216.	2.5	91
85	A framework for optical burst switching network design. IEEE Communications Letters, 2002, 6, 268-270.	2.5	43
86	Performance analysis of optical composite burst switching. IEEE Communications Letters, 2002, 6, 346-348.	2.5	31
87	A new reliability measure for telecommunication networks. IEEE Communications Letters, 2002, 6, 400-402.	2.5	2
88	Efficient distance measure for quantization of LSF and its Karhunen-Loeve transformed parameters. IEEE Transactions on Speech and Audio Processing, 2000, 8, 744-746.	2.0	6