

Journal Editorship:

- [E1] 2002. [Advances in Urban Planning Methodologies \(I\)](#), ASCE, *Journal of Urban Planning and Development*, 128(4). Guest-edited by **H. Lo** and S.C. Wong.
- [E2] 2004. [Advances in Urban Planning Methodologies \(II\)](#), ASCE, *Journal of Urban Planning and Development*, guest-edited by **H. Lo** and S.C. Wong.
- [E3] 2004. [Advanced algorithms in traffic signal control for urban road systems](#). *Journal of Intelligent Transportation Systems*, 8. Guest-edited by S.C. Wong and **H. Lo**.
- [E4] 2005. [Application of New Technologies for Transit System Operations and Management](#). *Journal of Intelligent Transportation Systems*, 8. Guest-edited by **H. Lo** and W. Lam
- [E5] **Lo, H.** and W. Lam. 2008. [Recent Advances in Travel Choice Behavior Modeling](#). *Transportmetrica* (This special issue is authorized by the International Association of Travel Behavior Research (IATBR)), 4(2).
- [E6] Bandara, S., **H. Lo**, and S.C. Wong. 2010. [Recent Advances in Traffic Control and Management](#). *Journal of Advanced Transportation*, 44(4).
- [E7] Schmocker, JD and **H. Lo**. 2009. [Special Issue: on Improving Network Reliability Through ITS Technologies](#). *Journal of Intelligent Transportation Systems*, 13(1).
- [E8] **Lo, H.**, W. Lam, S.C. Wong, and J. Leung. 2010. [Advanced Methods for Public Transport System Management](#). *Public Transport*, 2(1-2).
- [E9] **Lo, H.**, W. Lam, S.C. Wong, and J. Leung. 2010. [Advanced Systems for Public Transport Scheduling and Control](#). *Public Transport*, 2(3).
- [E10] **Lo, H.**, W. Lam, S.C. Wong, and J. Leung. 2011. [Advanced Systems for Public Transport Scheduling and Network Design](#). *Public Transport*, 3(1).
- [E11] Lam, W., SC Wong, and **H. Lo**. 2011. [Emerging Theories in Traffic and Transportation and Methods for Transportation and Traffic Operations](#). *Transportation Research Part C*, 19(2).
- [E12] Lam, W., H. Lo, SC Wong. 2013. [Transportation Network Reliability](#). *Transportmetrica B: Transport Dynamics*, 1(3).
- [E13] Lam, W., H. Lo, SC Wong. 2014. [Advances in Equilibrium Models for Analyzing Transportation Network Reliability](#). *Transportation Research Part B*, 66, August.
- [E14] Lin, W.H., H. Liu, and H. Lo. 2016. [Big data for Driver, Vehicle, and System Control in ITS](#). *IEEE Transactions on Intelligent Transportation Systems*, 17(6).
- [E15] Lo, H., D. Watling, and G. Cantarella. 2016. [Day to Day Dynamics in Transportation Networks](#). *Transportation Research Part B*, 92, 1-2.

#### Book Chapters:

- [C1] Lo, H. and Y.K. Tung. 2000. [A Chance Constrained Network Capacity Model](#). In Reliability of Transport Networks, Chapter 11, 159-172. Edited by M. Bell and C. Cassir. Research Studies Press Limited.
- [C2] Lo, H.K., Yip, C.W., Wan, Q.K. 2003. [Modeling Competitive Multi-modal Transit Services](#). In Advanced Modeling For Transit Operations and Service Planning, Chapter 9, 231-256, Edited by W.H.K. Lam and M. Bell, Elsevier Science.
- [C3] Wong, S.C., B.S.Y. Leung, W.T. Hung, H. Lo. 2002. Evaluation of road safety strategies. In S.C. Wong, W.T. Hung and H.K. Lo (eds.), Road Safety - Strategy and Implementation. Chapter 3, 33-50, China Public Security Publisher, Shenzhen, China.
- [C4] Lam, W.H.K. and H. Lo. 2004. [Traffic Assignment Methods](#). In Transport Handbook 5: Transport Geography and Spatial Systems. Chapter 34, 609-625. Edited by Stopher, Button, Kingsley, and Hensher. Elsevier Science.
- [C5] Lo, H. and W.Y. Szeto. 2004. [Planning transport network improvements over time](#). In Urban and Regional Transportation Modeling: Essays in Honor of David Boyce, Chapter 9, 157-176. Edited by D.H. Lee. Edward Elgar.
- [C6] Lo, H. and W.H.K. Lam. 2007. [Stochastic Traffic Assignment Methods and Applications](#) (隨機交通分配模型與應用). In Theoretical Research Frontiers in Transportation Planning (交通規畫理論研究前沿). Edited by H.P. Lu and H.J. Huang. Chapter 6, 213-224. Tsing-Hua University Press.
- [C7] Lam, W., N. Zhang., H. Lo. 2007. [A Reliability-based User Equilibrium Model for Traffic Assignment](#). In Reliability and Vulnerability in Critical Infrastructure: A Quantitative Geographic Perspective, Chapter 8, 151-171, edited by A.T. Murray and T.H. Grubescic. Springer-Verlag: Berlin.
- [C8] Wong, C.K., S.C. Wong and H. Lo. 2007. [A Cell Transmission Model for Signal Timing Optimization In Work Zones](#). Chapter 22, 307 - 319. Mathematics in Transport, edited by B. Heydecker. Elsevier Science.
- [C9] Siu, B. and H. Lo. 2009. [Integrated Network Improvement and Tolling Schedule: Mixed Strategy versus Pure Demand Management](#). Travel Demand Management and Road User Pricing: Success, Failure and Feasibility. Chapter 11, 185-214, Edited by Wafaa Saleh and Gerd Sammer. Ashgate Publishing Ltd.
- [C10] Tang, S. and H. Lo. 2014. [Property models for financing railway development](#). Sustainable Railway Futures: Issues and Challenges, Chapter 12. Edited by B. Loo and C. Comtois. Ashgate Transport & Mobility Research Monographs.

#### Journal Articles:

- [J233] Du, K.J., Lee, E., Ma, Q.R., Su, Z.Y., Zhang, S.Y., Lo, H.K. 2025. Metro Passenger Routing Choices Estimation with A Fully Differentiable End-to-end Simulation-Based Optimization (SBO). Transportation Science. Accepted.
- [J232] Liang, Z., Lo, H.K., Ng, K.F. 2024. [On Modeling and Enhancing Walkability: A Review of Transport Planning and Network Design Elements](#). International Journal of Sustainable Transportation, 18(10), 827-842.
- [J231] Cen, X.K., Ren, K.H., Lee, E., Lo, H.K. 2024. [A two-sided equilibrium model of Vehicle-to-Vehicle charging platform](#). Transportation Research Part C, 168, 104821.
- [J230] Wan, L.J., Yu, C.H., Lo, H.K. 2024. [Traffic Signal Coordination under Stochastic Demands and Turning Ratios Considering Spatial-Temporal Dependencies](#). IEEE Transactions on Intelligent Transportation Systems, 25(11), 18236-18251.
- [J229] Tan, Q., Hou, J., Li, Y., Qu, R., Zhou, P., Zong, S., Lo, H.K., Zhang, X. 2024. [Exploring noise reduction strategies: optimizing drone station placement for last-mile delivery](#). Transportation Research Part D, 133, 104306.
- [J228] Li, M.Z., Lee, E., Lo, H.K.. 2024. [Offline planning and online operation of zonal-based flexible transit service under demand uncertainties and dynamic cancellations](#). Transportation Research Part C, 168, 104715.
- [J227] Lee, E., Kawakita, T., Huai, Y, Lo, H.K., Zhang, A. 2024. [Airline and high-speed rail collaboration and competition under travel time variability](#). Transportation Research Part A, 185, 104104.
- [J226] Du, K.J., Wang, S.L., Lo, H.K. 2024. [Traffic Parameters Estimation with Partial Vehicle Trajectories By The Iterative Partial Backpropagation Maximum Likelihood Estimation \(IPB-MLE\) Framework](#). IEEE Transactions on Intelligent Transportation Systems, 25 (10), 14855-14865.
- [J225] Huang, W., Hu, J., Huang, G., Lo, H.K. 2023. [A three-layer hierarchical model-based approach for network-wide traffic signal control](#). Transportmetrica B, 1912-1942.
- [J224] Ngoduy, D., Nguyen, C., Lee, S., Zheng, Z., Lo, H.K. 2024. [A dynamic system optimal dedicated lane design for connected and autonomous vehicles in a heterogeneous urban transport network](#). Transportation Research Part E, 103562.
- [J223] Wan, L.J., Ma, M.J., Lo, H.K., Yu, C.H. 2024. [Signal Optimization at an Isolated Intersection under Cyclic Vehicle Arrivals Using Spatially Sparse Trajectory Data](#). Transportation Research Part C, 163, 104643.
- [J222] Tan, Q., Zhong, S., Qu, R., Li, Y., Zhou, P., Lo, H.K., Zhang, X. 2024. [Low-noise flight path planning of drones based on a virtual flight noise simulator: a vehicle routing problem](#). IEEE Intelligent Transportation Systems Magazine, 16(6), 56-71.
- [J221] Tan, Q., Li, Y., Wu, H., Zhou, P., Lo, H.K., Zhong, S., Zhang, X. 2024. [Enhancing sustainable urban air transportation: low-noise UAS flight planning using noise assessment simulator](#). Aerospace Science and Technology, 147, 109071.

- [J220] Kashmiri, Faizan A., Lo, H.K. 2024. [Routing of Multi-modal Autonomous Vehicles for System Optimal flows and Average Travel Cost Equilibrium over Time](#). *Transportation Research Part C*, 159, 104483.
- [J219] Lee, E., Lo, H.K., Li, M.Z. 2024. [Optimal Zonal Design for Flexible Bus Service under Spatial and Temporal Demand Uncertainty](#). *IEEE Intelligent Transportation Systems Transactions*, 25(1), 251-262.
- [J218] Liang, Z., Ng, K.F., Huai, Y, Lo, H.K., Axhausen K.W. 2023. [A stated preference approach for measuring walking accessibility](#). *Transportation Research Part D*, 122, 103876.
- [J217] Patwary, A.U.Z., Wang, S., Lo, H.K. 2023. [Iterative Backpropagation Method for Efficient Gradient Estimation in Bilevel Network Equilibrium Optimization Problems](#). *Transportation Science*, 57(5), 1134-1159.
- [J216] Liang, Z., Jiang, G., Lo, H.K. 2023. [Dynamic equilibrium analyses in a ride-sourcing market under travel time uncertainty](#). *Transportation Research Part C*, 153, 10422.
- [J215] Li, M., Lee, E., Lo, H.K. 2023. [Frequency-based Zonal Flexible Bus Design Considering Order Cancellation](#). *Transportation Research Part C*, 152, 104171.
- [J214] Li, M., Jiang, G., Lo, H.K. 2023. [Optimal cancellation penalty for competing ride-sourcing platforms under waiting time uncertainty](#). *Transportation Research Part E*, 174, 103107.
- [J213] Tan, Q., Bian H., Guo, J. Zhou, P., Lo, H.K., Zhong, S., Zhang. X. 2023. [Virtual flight simulation of delivery drone noise in the urban residential community](#). *Transportation Research Part D*, 118, 103686.
- [J212] Hoang, N., Panda, M.K., Vu, H., Dong, N., Lo, H.K. 2023. [A new framework for mixed-user dynamic traffic assignment considering delay and accessibility to information](#). *Transportation Research Part C*, 103977.
- [J211] Lee, E., Cen, X.K., Lo, H.K. 2022. [Scheduling Zonal-based Flexible Bus Service under Dynamic Stochastic Demand and Time-dependent Travel Time](#). *Transportation Research Part E*, 168, 102931.
- [J210] Chen, G.J., Zhang, S.Y., Lo, H.K., Liu, H.D. 2022. [Does bus bunching happen inevitably: the counteraction between link and stop headway deviations?](#) *Transportation Research Part C*, 143, 103828.
- [J209] Kashmiri, Faizan A., Lo, H.K. 2022. [Routing of Autonomous Vehicles for System Optimal Flows and Average Travel Time Equilibrium over Time](#). *Transportation Research Part C*, 143, 103818.
- [J208] Li, MZ., Lo, H.K. 2022. [Ride-sourcing service pricing and cancellation penalty under service arrival time uncertainty](#). *Findings*, July, <https://doi.org/10.32866/001c.37219>.
- [J207] Wang, S., Patwary, A.U.Z., Huang, W., Lo, H.K. 2022. [A general framework for combining traffic flow models and Bayesian network for traffic parameters estimation](#). *Transportation Research Part C*, 139, 103664.

- [J206] Li, MZ. Jiang, G., Lo, H.K. 2022. [Pricing strategy of ride-sourcing services under travel time variability](#). *Transportation Research Part E*, 102631.
- [J205] Li, L., Huang, W., Chow A.H.K, Lo, H.K. 2022. [Two-stage stochastic program for dynamic coordinated traffic control under demand uncertainty](#). *IEEE Intelligent Transportation Systems Transactions*, 23(8), 12966-12976.
- [J204] Jiang, G., Wang, S., Lo, H.K., Liang, Z. 2022. [Modeling Cost Variability in a Bottleneck Model with Degradable Capacity](#). *Transportmetrica B*, 10, 84-110.
- [J203] Patwary, A.U.Z, Huang, W., Lo, H.K. 2021. [A Link-to-link Segment based Metamodel for Dynamic Network Loading](#). *Transportation Research Part C*, 130, 103286.
- [J202] Lee, E., Cen, X.K., Lo, H.K. 2021. [Zonal-based flexible bus service under elastic stochastic demand](#). *Transportation Research Part E*, 152, 102367.
- [J201] Huai, Y., Lo, H.K., Ng, K.F. 2021. [Monocentric versus polycentric urban structure: Case Study in Hong Kong](#). *Transportation Research Part A*, 151, 99-118.
- [J200] Jiang, G., Lo, H.K., Tang, Q., Liang, Z., S. Wang. 2021. [The impact of road pricing on travel time variability under elastic demand](#). *Transportmetrica B*. 9(1), 595-621
- [J199] Li, L., Lo, H.K., Huang, W., Xiao, F. 2021. [Mixed bus fleet location-routing-scheduling under range uncertainty](#). *Transportation Research Part B*, 146, 155-179.
- [J198] Lee, E., Cen, X., Lo, H.K., Ng, K.F. 2021. [Designing zonal-based flexible bus services under stochastic demand](#). *Transportation Science*, 55(6), 1280-1299.
- [J197] Patwary, A.U.Z., Huang, W., Lo, H.K. 2021. [Metamodel-based Calibration of Large-scale Multimodal Microscopic Traffic Simulation](#). *Transportation Research Part C*, 124, 102859.
- [J196] Zhang, S., Lo, H.K., Ng, K.F. Chen, G. 2021. [Metro system disruption management and substitute bus service: a systematic review and future directions](#). *Transport Reviews*, 41(2), 230-251.
- [J195] Wang, S.L., Huang W., Lo, H.K. 2020. [Combining shockwave analysis and Bayesian Network for traffic parameter estimation at signalized intersections considering queue spillback](#). *Transportation Research Part C*, 120, 102807.
- [J194] Yuan, K., Lo, H.K. 2021. [Multi-class traffic flow dynamics: an endogenous model](#). *Transportation Science*, 55(2), 456-474.
- [J193] Huang, W., Xu, G.M., Lo, H.K. 2020. [Pareto-optimal sustainable transportation network design under spatial queuing](#). *Networks and Spatial Economics*, , 20(3), 637-673.
- [J192] Che, W., Frey, C., Fung, J., Ning, Z., Qu, H., Lo, H.K., et al. 2020. [PRAISE-HK: A personalized real-time air quality informatics system for citizen participation in exposure and health risk management](#). *Sustainable Cities and Society*, 54, 101986.

- [J191] Zhang, SY, Lo, H.K. 2020. [Metro Disruption Management: Contracting Substitute Bus Service under Uncertain System Recovery Time](#). *Transportation Research Part C*, 110, 98-122.
- [J190] Lin, W.H., Lo, H.K. 2019. [Effect of Reducing the Price of Anarchy on Fairness in Highway Resource Allocation for Individual Users](#). *Transportmetrica B*, 7, 1670-1692.
- [J189] Jiang, G., Fosgerau, M., Lo, H.K. 2020. [Route Choice, Travel Time variability, and Rational Inattention](#). *Transportation Research Part B*, 188-207.
- [J188] Liang, J.P., Wu, J.J., Gao, Z.Y., Sun, H.S., Yang, X., Lo, H.K. 2019. [Bus Transit Network Design with Uncertainties on the Basis of a Metro Network: A two-step model framework](#). *Transportation Research Part B*, 126, 115–138.
- [J187] Li, L., Lo, H.K., Xiao, F. 2019. [Mixed Bus Fleet Scheduling under Range and Refueling Constraints](#). *Transportation Research Part C*, 104, 443-462.
- [J186] Wang, S., Huang, W., Lo, H.K. 2019. [Traffic Parameters Estimation for Signalized Intersections based on Combined Shockwave Analysis and Bayesian Network](#). *Transportation Research Part C*, 104, 22-37.
- [J185] Smith, M., W. Huang, F. Viti, C. Tampere, and H. Lo. 2019. [Quasi-dynamic Traffic Assignment with Spatial Queueing, Control and Blocking Back](#). *Transportation Research Part B*, 122, 140-166.
- [J184] Zhang, SY, H. Lo. 2018. [Metro Disruption Management: Optimal Initiation Time of Substitute Bus Services under Uncertain System Recovery Time](#). *Transportation Research Part C*, 97, 409-427.
- [J183] Cen, X.K., H. Lo, L. Lu, E. Lee. 2018. [Modeling Electric Vehicles Adoption for Urban Commute Trips](#). *Transportation Research Part B*, 117, 431-454.
- [J182] Huang, W. L. Lu, H. Lo. 2018. [Adaptive Traffic Signal Control with Equilibrium Constraints under Stochastic Demand](#). *Transportation Research Part C*, 394-413.
- [J181] Hoang, N., H. Vu, H. Lo. 2018. [An informed user equilibrium dynamic traffic assignment problem in a multiple origin-destination stochastic network](#). *Transportation Research Part B*, 115, 207-230.
- [J180] Zhang, S., H. Lo. 2018. [Two-way-looking self-equalizing headway control for bus operations](#). *Transportation Research Part B*, 110, 280-301.
- [J179] Xu, X., A. Chen, H. Lo, C. Yang. 2018. [Modeling the impacts of speed limits on uncertain road networks](#). *Transportmetrica A: Transport Science*, 14(1-2), 66-88.
- [J178] Li, L., W. Huang, J. Lo. 2018. [Adaptive Coordinated Traffic Control for Stochastic Demand](#). *Transportation Research Part C*, 31-51.
- [J177] Hoang, H.L., H. Vu, M. Panda, H. Lo. 2019. [A linear framework for dynamic user equilibrium traffic assignment in a single origin-destination capacitated network](#). *Transportation Research Part B*, 126, 329-352.



- [J176] Ng, K.F., H. Lo, Y. Huai. 2017. [Robust Public-Private Partnerships for Joint Railway and Property Development](#). *Frontiers of Engineering Management*, 4(4), 437-450.
- [J175] Zhu, S, G. Jiang, H. Lo. 2017. [Capturing Value of Reliability through Road Pricing in Congested Traffic under Uncertainty](#). *Transportation Research Part C*, 23, 664-678.
- [J174] Han, L., D.Z.W. Wang, H. Lo, C. Zhu, C., X. Cai. 2017. [Discrete-time Day-to-day Dynamic Congestion Pricing Scheme Considering Multiple Equilibria](#). *Transportation Research Part B*, 1-16.
- [J173] Castillo, E. ,Z. Grande, E. Mora, X.D. Xu, and H. Lo. 2017. [Proactive, Backward Analysis and Learning in Road Probabilistic Bayesian Network Models](#). *Computer-Aided Civil and Infrastructure Engineering*, 32(10), 820-835.
- [J172] Ng, K. F., **Lo, H.K.** 2017. [On Joint Railway and Housing Development: Housing-led versus Railway-led Schemes](#). *Transportation Research Part B*, 106, 464-488.
- [J171] Castillo, E., Grande, Z., E. Mora, H. Lo, and X.D. Xu. 2017. [Complexity Reduction and Sensitivity Analysis in Road Probabilistic Safety Assessment Bayesian Network Models](#). *Computer-Aided Civil and Infrastructure Engineering*, 32, 546-561.
- [J170] Grande, Z. E. Castillo, E. Mora and H. Lo. 2017. [Highway and Road Probabilistic Safety Assessment Based on Bayesian Network Models](#). *Computer-Aided Civil and Infrastructure Engineering*, 32, 379-396.
- [J169] Lo, H., D. Watling, G. Cantarella. 2016. [Editorial: Day-do-day dynamics in transportation networks](#). *Transportation Research Part B*, 92, 1-2.
- [J168] Ng, M. and H. Lo. 2016. [Robust Models for Transportation Service Network Design](#). *Transportation Research Part B*, 94, 378-386.
- [J167] Li, L., H. Lo, F. Xiao, and X. Cen. 2018. [Mixed Bus Fleet Management Strategy for Minimizing Overall and Emissions External Costs](#). *Transportation Research Part D*, 60, 104-118.
- [J166] Ma, W., K. An, H. Lo. 2016. [Multi-stage stochastic program to optimize signal timings under coordinated adaptive control](#). *Transportation Research Part C*, 72, 342-359.
- [J165] Yu, C., W. Ma, H. Lo, X. Yang. 2017. [Robust optimal lane allocation for isolated intersections](#). *Computer-aided Civil and Infrastructure Engineering*, 32, 72-86.
- [J164] Lin, W.H., H. Liu, and H. Lo. 2016. [Editorial: Big data for Driver, Vehicle, and System Control in ITS](#). Editorial: IEEE Transactions on Intelligent Transportation Systems, 17(6), 1663-1665.
- [J163] Wang, D.Z.W and H. Lo. 2016. [Urban Development with Financially Sustainable Rail Service](#). *Journal of Advanced Transportation*, 50, 1139-1155.
- [J162] Wang, D.Z.W and H. Lo. 2016. [Financial sustainability of rail transit service: The effect of urban development pattern](#). *Transport Policy*, 48, 23-33.

- [J161] Xiao, Yu, H. Lo. 2016. [Day-to-day Departure Time Modeling under Social Network Influence](#). *Transportation Research Part B*, 92, 54-72.
- [J160] Xu, X., H. Lo, A. Chen, E. Castillo. 2016. [Robust Network Sensor Location for Complete Link Flow Observability under Uncertainty](#). *Transportation Research Part B*, 88, 1-20
- [J159] Cen, X.K., H. Lo, and L. Li, 2016. [A Framework for estimating traffic emissions: the development of Passenger Car Emission Unit](#). *Transportation Research Part D*, 44, 78-92.
- [J158] Ma, X., **Lo, H.K.** 2015. [Adaptive Transport Supply and Demand Management Strategies in an Integrated Land Use and Transport Model](#). *Transportation Research Record* 2494, 11-20.
- [J157] Castillo, E., Z., Grande, A. Calvino, H. Lo, W.Y. Szeto. 2015. [A state-of-the-art review of the sensor location, flow observability, estimation and prediction problems in traffic networks](#). *Journal of Sensors*, 2015, Article ID 903563. (<http://dx.doi.org/10.1155/2015/903563>)
- [J156] An, K. and H. Lo. 2016. [Two-Phase Stochastic Program for Transit Network Design under Demand Uncertainty](#). *Transportation Research Part B*, 84, 157-181.
- [J155] Li, Lu, H. Lo, and X.K. Cen. 2015. [Optimal Bus Fleet Replacement Strategy for Emissions Reduction](#). *Transportation Research Part D*, 41, 330-347.
- [J154] Lin, W. and H. Lo. 2015. [Highway Voting System: Embracing a Possible Paradigm Shift in Traffic Data Acquisition](#). *Transportation Research Part C*, 56, 149-160.
- [J153] Ng, K. F., **Lo, H.K.** 2015. [Optimal Housing Supply in a Bid-Rent Equilibrium Framework](#). *Transportation Research Part B*, 74, 62-78.
- [J152] An, K. and H. Lo. 2015. [Robust Transit Network Design with Stochastic Demand Considering Development Density](#). *Transportation Research Procedia* 7, 300 – 319. Also in *Transportation Research Part B*, 81, 737-754.
- [J151] Xu, X.D., A. Chen, S. Kitthamkesorn, H. Yang, and H. Lo. 2015. [Modeling absolute and relative cost differences in stochastic user equilibrium problem](#). *Traffic and Transportation Theory*, and in *Transportation Research Part B*, 81, 686-703.
- [J150] Yu, C.H., W.J. Ma, H. Lo, and X. Yang. 2015. [Optimization of Mid-block Pedestrian Crossing Network with Discrete Demands](#). *Transportation Research Part B*, 73, 103-121.
- [J149] Ma, W.J, D. Liao, Y. Liu, and H. Lo. 2015. [Optimization of pedestrian phase patterns and signal timings for isolated intersection](#). *Transportation Research Part C*, 58, 502-514.
- [J148] Li, X., and H. Lo. 2014. [Energy Minimization in Dynamic Train Scheduling and Control for Metro Rail Operations](#). *Transportation Research Part B*, 70, 269-284.
- [J147] Ng, M, and H. Lo. 2013. [Regional Air Quality Conformity in Transportation Networks with Stochastic Dependencies: A Theoretical Copula-Based Model](#). *Network and Spatial Economics*, 13(4), 373-397.



- [J146] Lam, W., H. Lo, SC Wong. 2014. [Advances in Equilibrium Models for Transportation Network Reliability](#). *Transportation Research Part B*, 66, 1-3.
- [J145] Li, X., and H. Lo. 2014. [An Energy-Efficient Scheduling and Speed Control Approach for Metro Rail Operations](#). *Transportation Research Part B*, 64, 73-89.
- [J144] Castillo, E., A. Calvino, H. Lo, J. Menendez, Z. Grande. 2014. [Non-planar Hole-generated Networks and Link Flow Observability Based on Link Counters](#). *Transportation Research Part B*, 68, 239-261.
- [J143] An, K. and H. Lo. 2014. [Service Reliability-Based Transit Network Design with Stochastic Demand](#). *Transportation Research Record*, 2467, 101-109.
- [J142] Xiao, L., **Lo, H.K.** 2015. [Combined Route Choice and Adaptive Traffic Control in a Day-to-day Dynamical System](#). *Network and Spatial Economics*, 15, 697-717.
- [J141] Xiao, L., **Lo, H.K.** 2014. [Adaptive Vehicle Navigation with En Route Stochastic Traffic Information](#). *IEEE Transactions on Intelligent Transportation Systems*, 15(5), 1900-1912.
- [J140] Castillo, E., A. Calvino, M. Nogal and H. Lo. 2014. [On the Probabilistic and Physical Consistency of Traffic Random Variables and Models](#). *Computer-Aided Civil and Infrastructure Engineering*, 29, 496-517.
- [J139] Lam, W.H.K., H. Lo, S.C. Wong. 2013. [Transportation Network Reliability](#). *Transportmetrica B: Transport Dynamics*, 1(3), 171-173.
- [J138] Xu, XD., A. Chen, L. Cheng, and H. Lo. 2014. [Modeling Distribution Tail in Network Performance Assessment: An Alternative Risk Measure and Analytical Estimation Method](#). *Transportation Research Part B*, 66, 32-49.
- [J137] Siu, B., **Lo, H.K.** 2013. [Punctuality-based departure time scheduling under stochastic bottleneck capacity: Formulation and Equilibrium](#). *Transportmetrica B: Transport Dynamics*, 1(3), 195-225.
- [J136] Castillo, E., M. Nogal, A. Calvino, A. Rivas, and H. Lo. 2013. [A Model for Continuous Dynamic Network Loading Problem with Different Overtaking Class Users](#). *Journal of Intelligent Transportation Systems*, 17(4), 328-350.
- [J135] An, K. and H. Lo. 2014. [Ferry Service Network Design with Stochastic Demand under User Equilibrium Flows](#). *Transportation Research Part B*, 66, 70-89.
- [J134] Lo, H. K. An. And W. Lin. 2013. [Ferry Network Design under Demand Uncertainty](#). *Transportation Research Part E*, 48-73.
- [J133] Zhu, F. H. Lo, and H.Z. Lin. 2013. [Delay and Emissions Modeling for Signalized Intersection](#). *Transportmetrica B: Transport Dynamics*, 1(2), 111-135.
- [J132] Ma, X., **Lo, H.K.** 2013. [On Joint Railway and Housing Development Strategy](#). *Transportation Research Part B*, 57, 451-467.

- [J131] Xiao, L. and H. Lo. 2013. [Adaptive Vehicle Routing for Risk-Averse Travelers](#). *Transportation Research Part C*, 36, 460-479.
- [J130] Lo, H., and A. Sumalee. 2013. [Inaugural Editorial: Transport Dynamics: Its time has come!](#) *Transportmetrica B: Transport Dynamics*, 1, 1-2.
- [J129] Castillo, Enrique; Calviño, Aida; Sánchez-Cambronero, Santos; H. Lo. 2013. [A Multiclass User Equilibrium Model Considering Overtaking across Classes](#). *IEEE Transactions on Intelligent Transportation Systems*, 14(2), 928-942.
- [J128] Smith, M, M.L. Hazelton, H. Lo, G.E. Cantarella, and D. Watling. [The long term behavior of day-to-day traffic assignment models](#). *Transportmetrica A: Transport Science*, 10(7), 647-660.
- [J127] Siu, B., **Lo, H.K.** 2014. [Punctuality-based Route and Departure Time Choice](#). *Transportmetrica A: Transport Science*, 10(7), 585-621.
- [J126] Wong, S.C., Sze, N.N., Loo, B.P.Y., Chow, A.S.Y., Lo, H.K. and Hung, W.T. (2012) [Performance evaluations of spiral-marking roundabouts in Hong Kong](#). *ASCE Journal of Transportation Engineering*, 138, 1377-1387.
- [J125] Ekstrom, J., A. Sumalee, H. Lo. 2012. [Optimizing toll locations and levels using a linear approximation approach](#). *Transportation Research Part B*, 46, 834-854.
- [J124] Ma, X. and H. Lo. 2012. [Modeling transport management and land use over time](#). *Transportation Research Part B*, 46, 687-709.
- [J123] Lam, W., SC Wong, and **H. Lo**. 2011. [Emerging Theories in Traffic and Transportation and Methods for Transportation and Traffic Operations](#). *Transportation Research Part C*, 19(2), 169-171.
- [J122] **Lo, H.**, W. Lam, S.C. Wong, and J. Leung. 2011. [Advanced Systems for Public Transport Scheduling and Network Design](#). *Public Transport*, 3(1), 1-2.
- [J121] **Lo, H.**, W. Lam, S.C. Wong, and J. Leung. 2010. Editorial: [Advanced Public Transport System Scheduling and Control](#). *Public Transport.*, 2(3), 157-158.
- [J120] MA, X, **H. Lo**, and W Lam. 2010. [Transport Management and Land Value](#). *Journal of the Eastern Asia Society for Transportation Studies*, 8, 630-643.
- [J119] Luatthep, P., A. Sumalee, W.H.K. Lam, Z.C. Li, H. Lo. 2011. [Global optimization method for mixed transportation network design problem: a mixed-integer linear programming approach](#). *Transportation Research Part B*, 45, 808-827.
- [J118] Bandara, S, Lo, H., and S.C. Wong. 2010. [Editorial: Recent advances in traffic control and management](#). *Journal of Advanced Transportation*, 44(4), 217-218.
- [J117] Lo, H., W. Lam, S.C. Wong, and J. Leung. 2010. [Editorial: Advanced Methods for Public Transport System Management](#). *Public Transport*, 2(1), 1-3.

- [J116] Zhang, Y., W. Lam, A. Sumalee, H. Lo, C.O. Tong. 2010. [The Multi-Class Schedule-Based Transit Assignment Model under Network Uncertainties](#). *Public Transport*, 2(1), 69-86.
- [J115] Lin, W. **H. Lo**, and L. Xiao. 2011. [A quasi-dynamic robust control scheme for signalized intersections](#). *Journal of Intelligent Transportation Systems*, 15(4), 223-233.
- [J114] Tang, S. and H. Lo. 2010. [Assessment of Public Private Partnership Models for Mass Rail Transit - An Influence Diagram Approach](#). *Public Transport*, 2(1), 111-134.
- [J113] Lam, W., SC Wong, and H. Lo. 2011. [Emerging theories in traffic and transportation; Emerging methods for transportation and traffic operations](#). *Transportation Research Part C*, 19(2), 169-171.
- [J112] Wang, D.Z.W. and H. Lo. 2010. [Global Optimum of the Linearized Network Design Problem with Equilibrium Flows](#). *Transportation Research Part B*, 44, 482-492. (personal copy)
- [J111] Tang, S. and H. Lo. 2010. [On the Financial Viability of Mass Transit Development: The Case of Hong Kong](#). *Transportation*, 37, 299-316. (personal copy)
- [J110] Bie, J. and H. Lo. 2010. [Stability and attraction domains of traffic equilibria in a day-to-day dynamical system formulation](#). *Transportation Research Part B*, 44, 90-107.
- [J109] Han, D, H. Lo, J. Sun, and H. Yang. 2010. [Second-order cone reformulation and the price of anarchy of a robust Nash-Cournot game](#). *Pacific Journal of Optimization*, 6(2), 211-226.
- [J108] Zhu, JS, W. Lam, A. Chen, and H. Lo. 2009. [Modeling the Impacts of Turn-delay Uncertainties on Route Choice Behavior in Signalized Road Networks](#). *Transportation Research Record*, 2091, 1-11.
- [J107] Siu, B., **Lo, H.K.** 2009. [Equilibrium Trip Scheduling in Congested Traffic under Uncertainty](#). *Transportation and Traffic Theory*. Edited by Lam, Wong and Lo, 147-167.
- [J106] Lin, W. and H. Lo. 2009. [Investigating Braess' Paradox with Time-Dependent Queues](#). *Transportation Science*, 43(1), 117-126.
- [J105] Schmocker, JD and H. Lo. 2009. [Editorial: Special Issue on Improving Network Reliability Through ITS Technologies](#). *Journal of Intelligent Transportation Systems*, 13(1), 1.
- [J104] Wan, Q., **Lo, H.K.** 2009. [Congested Multimodal Transit Network Design](#). *Public Transport*, 1(3), 233-251.
- [J103] Lo, H., S. Tang and D. Z.W. Wang. 2008. [Managing the Accessibility on Mass Public Transit: the Case of Hong Kong](#). *Journal of Transport and Land Use*, 1:2, 23-49.
- [J102] Levinson, D., K.Krizek, M. Dijst, H. Lo, J. Guo. 2008. [Introducing the Journal of Transport and Land Use](#). *Journal of Transport and Land Use*, 1:1, 1-4.
- [J101] Han D., H. Lo, and H. Yang. 2008. [On the price of anarchy for non-atomic congestion games under asymmetric costs with elastic demand](#). *Computers and Mathematics with Applications*, 56(10), 2737-2743.

- [J100] Lo, H. and W. Lam. 2008. [Recent Advances in Travel Choice Behavior Modeling](#); Editorial. *Transportmetrica*, 4(2), 79-81.
- [J99] Wang, D. Z.W. and Lo, H. 2008. [Multi-fleet ferry service network design with passenger preferences for differential services](#). *Transportation Research Part B*, 42, 798-822. (personal copy).
- [J98] Wan, Q.K. and H. Lo. 2008. [Bus Tolling for Urban Transit System Management](#). *Lecture Notes in Economics and Mathematical Systems 600: Computer-Aided Systems in Public Transport*. M. Hickman, P. Mirchandani, and S. Voss (eds.), 409-418.
- [J97] Wang, Z.W., H. Lo, and M.F. Lai. 2008. [Mixed-fleet Ferry Routing and Scheduling](#). *Lecture Notes in Economics and Mathematical Systems 600: Computer-Aided Systems in Public Transport*. M. Hickman, P. Mirchandani, and S. Voss (eds.), 181-194.
- [J96] Tang, S. and H. Lo. 2008. [The Impact of Public Transport Policy on the Viability and Sustainability of Mass Railway Transit – The Hong Kong Experience](#). *Transportation Research Part A*, 42, 563- 576.
- [J95] Han, D., H. Lo, J. Sun, and H. Yang. 2008. [The toll effect on price of anarchy when costs are nonlinear and asymmetric](#). *European Journal of Operational Research*, 186(1), 300–316.
- [J94] Siu, B., **Lo, H.K.** 2007. [Integrated Tolling and Capacity Expansion Schedule for Transportation Network Management](#). *Journal of the Eastern Asia Society for Transportation Studies*, 7, 2305-2320.
- [J93] Bie, J. and H. Lo. 2007. [Traffic Dynamics in Pursuit of Equilibrium](#). *Journal of the Eastern Asia Society for Transportation Studies*, 7, 628-641.
- [J92] Wang, Z.W. and H. Lo. 2007. [Financial Sustainability of Rail Transit Services: Case Study in Hong Kong](#). *Journal of the Eastern Asia Society for Transportation Studies*, 7, 1719-1730.
- [J91] Szeto, W.Y. and H. Lo. 2008. [Time-Dependent Transport Network Improvement and Tolling Strategies](#). *Transportation Research Part A*, 42(2), 376-391.
- [J90] Bie, J, H. Lo, S.C. Wong. 2008. [Circulatory Markings at Double-Lane Traffic Roundabout: Comparison of Two Marking Schemes](#). *ASCE Journal of Transportation Engineering*. Vol. 134, No. 9, 378-388.
- [J89] Siu, B., **Lo, H.K.** 2008. [Doubly Uncertain Transportation Network: Degradable Capacity and Stochastic Demand](#). *European Journal of Operational Research*, 191, 164-179.
- [J88] Bie, J., H. Lo, and S. C. Wong. 2010. [Capacity Evaluation of Multi-Lane Traffic Roundabout](#). *Journal of Advanced Transportation*, 44(4), 245-255.
- [J87] Wong, CK., SC Wong, and H. Lo. 2010. [A spatial queuing approach to optimize coordinated signal settings to obviate gridlock in adjacent work zones](#). *Journal of Advanced Transportation*, 44(4), 231-244.

- [J86] Wong, C.K., S.C. Wong, and H. Lo. 2007. [Reserve Capacity of a Signal-controlled Network Considering the Effect of Physical Queuing](#). *Transportation and Traffic Theory*. Edited by Allsop, Bell, Heydecker. Elsevier Science, 533-554. ([Manuscript](#))
- [J85] Siu, B., **Lo, H.K.** 2006. [Doubly Uncertain Transport Network: Degradable Link Capacity and Perception Variations in Traffic Conditions](#). *Transportation Research Record*, 1964, 59-69.
- [J84] Yang, H., D. Han, and H. Lo. 2008. [Efficiency of Atomic Splittable Selfish Routing with Polynomial Cost Functions](#). *Networks and Spatial Economics*, 8, 443-451.
- [J83] Han, D., H. Lo, and Z.W. Wang. 2007. [A Simple Self-Adaptive Alternating Direction Method for Linear Variational Inequality Problems](#). *Computers and Mathematics with Applications*, 53(10): 1594-1604.
- [J82] Chow, A.H.F. and H. Lo. 2007. [Sensitivity analysis of signal control with physical queuing: Delay derivatives and an application](#). *Transportation Research Part B*. 41, 462-477.
- [J81] Wong, S.C., N.N. Sze, H.F. Yip, B.P.Y. Loo, W.T. Hung, and H. Lo. 2006. [The Effectiveness of Setting a Quantified Road Safety Targets in Reducing Road Fatalities](#). *Accident Analysis and Prevention*, 38, 997-1005.
- [J80] S.C. Wong, N.N. Sze, W.T. Hung, B.P.Y. Loo, and H. Lo. 2006. [The effects of a traffic guidance scheme for auto-toll lanes on traffic safety at toll plazas](#). *Safety Science*, 44, 753-770.
- [J79] Lo, H. 2006. [A Reliability Framework for Traffic Signal Control](#). *IEEE Transactions on Intelligent Transportation Systems*, 7(2), 250-260.
- [J78] **Lo, H.K.**, Luo, X.W., Siu, B. 2006 [Degradable Transport Network: Travel Time Budget of Travelers with Heterogeneous Risk Aversion](#). *Transportation Research B*, 40, 792-806.
- [J77] Szeto, W.Y. and H. Lo. 2006. [Dynamic Traffic Assignment: Properties and Extensions](#). *Transportmetrica*, 2, 31-52.
- [J76] Lo, H. and W.Y. Szeto. 2009. [Time-Dependent Transport Network Design under Cost-Recovery](#). *Transportation Research Part B*, 43, 142-158.
- [J75] Wan, Q.K. and **H. Lo**. 2005. [Effect of Attribute Perceptions on Mode Choice Behavior in a Transit Market](#). *Journal of the Eastern Asia Society for Transportation Studies*, 6, 1740-1750.
- [J74] Szeto, W.Y. and **H. Lo**. 2005. [Properties of Dynamic Traffic Assignment with Physical Queues](#). *Journal of the Eastern Asia Society for Transportation Studies*, 6, 2108-2123.
- [J73] Bie, J., **H. Lo**, S.C. Wong, W.T. Hung, and B. Loo. 2005. [Safety Analysis Of Traffic Roundabout: Conventional Versus Alberta-Type Markings](#). *Journal of the Eastern Asia Society for Transportation Studies*, 6, 3309-3324.

- [J72] Szeto, W.Y. and **H. Lo**. 2006. [Transportation Network Improvement and Tolling Strategies: The issue of Intergeneration Equity](#). *Transportation Research A*, 40, 227-243.
- [J71] **Lo, H.** and W.Y. Szeto. 2005. [Road Pricing Modeling for Hyper-congestion](#). *Transportation Research A*, 39, 705-722.
- [J70] Loo, Becky S.C. Wong, W.T. Hung, and **H. Lo**. 2007. [A Review of the Road Safety Strategy in Hong Kong](#). *Journal of Advanced Transportation*, 41(1), 3-37.
- [J69] Loo, Becky P.Y., W.T. Hung, **H. Lo**, S.C. Wong. 2005. [Road Safety Strategies: A Comparison Framework and Case Studies](#). *Transport Reviews*, 25(5), 613-639.
- [J68] **Lo, H.** and W.H.K. Lam. 2005. [Application of New Technologies for Transit System Operations and Management](#). *Journal of Intelligent Transportation Systems*, 9(2), 57-58.
- [J67] Szeto, W.Y. and **H. Lo**. 2005. [Dynamic Traffic Assignment: Review and Future Research Directions](#). *Journal of Transportation Systems Engineering and Information Technology*, 5(5), 85-100.
- [J66] Szeto, W.Y. and **H. Lo**. 2005. [Non-equilibrium Dynamic Traffic Assignment](#). *Traffic and Transportation Theory*. Edited by H. Mahmassani. Elsevier Science, 427-446.
- [J65] Lo, H., C.W. Yip, and B. Mak. 2005. [Passenger Route Guidance System for Multi-modal Networks](#). *Journal of Advanced Transportation*, 39(3), 271-288.
- [J64] Wong, S.C., T. Sze, **H. Lo**, W.T. Hung, B.P.Y. Loo. 2005. [Would Relaxing Speed Limits Aggravate Safety: A Case Study of Hong Kong?](#) *Accident Analysis and Prevention*, 37 (2), 377-388.
- [J63] Szeto, W.Y. and **H. Lo**. 2005. [Strategies for Road Network Design over Time: Robustness under Uncertainty](#). *Transportmetrica*, 1(1), 47-63.
- [J62] Wong, SC. and **H. Lo**. 2004. [Advanced algorithms in traffic signal control for urban road systems: Editorial](#). *Journal of Intelligent Transportation Systems*, 8, 61-62.
- [J61] Lai, M.F. and **H. Lo**. 2004. [Ferry Service Network Design: Optimal Fleet Size, Routing, and Scheduling](#). *Transportation Research A*, 38, 305-328.
- [J60] Szeto, W.Y. and **H. Lo**. 2004. [A Cell-based Simultaneous Route and Departure Time Choice Model with Elastic Demand](#). *Transportation Research B*, 38, 593-612.
- [J59] Szeto, W.Y. and **H. Lo**. 2005. [The Impact of Advanced Traveler Information Services on Travel Time and Schedule Delay Costs](#). *Journal of Intelligent Transportation Systems*, 9(1), 47-55.
- [J58] Lo, H. and H.F. Chow. 2004. [Control Strategies for Over-Saturated Traffic](#). *ASCE Journal of Transportation Engineering*, 130, 466-478.
- [J57] Wong, S.C., C.O. Tong, K.I. Wong, W.H.K. Lam, **H. Lo**, H. Yang, and H.P. Lo. 2005. [Estimation of Multi-Class Origin-Destination Matrices from Traffic Counts](#). *ASCE Journal of Urban Planning and Development*, 131, 29-29.



- [J56] Wong, K.I., S.C. Wong, C.O. Tong, W.H.K. Lam, **H. Lo**, H. Yang, and H.P. Lo. 2005. [Estimation of Origin-Destination Matrices for a Multimodal Public Transit Network](#). *Journal of Advanced Transportation*, 39(2), 139-168.
- [J55] **Lo, H.** and W.Y. Szeto. 2003. [Time-Dependent Network Design: A Study of Budget Sensitivity](#). *Journal of the Eastern Asia Society for Transportation Studies*, 5, 1124-1139.
- [J54] Wan, Q.K. and **H. Lo**. 2003. [A Mixed Integer Formulation for Multiple-Route Transit Network Design](#). *Journal of Mathematical Modelling and Algorithms*, 2, 299-308. ([Manuscript](#))
- [J53] **Lo, H.** and W.Y. Szeto. 2004. [Modeling Advanced Transportation Information Systems: Static Versus Dynamic Paradigms](#). *Transportation Research B*, 38, 495-515.
- [J52] Han, D. and H. Lo. 2004. [Solving Non-additive Traffic Assignment Problems: A Decent Methods for Co-coercive Variational Inequalities](#). *European Journal of Operational Research*, 159, 529-544.
- [J51] Han, D. and **H. Lo**. 2003. [A feasible descent algorithm for solving variational inequality problems](#). *Mathematical Methods of Operations Research*, 58, 259-269.
- [J50] Tong, CO, WT Hung, WHK Lam, **H Lo**, HP Lo, SC Wong, and H Yang. 2003. [A New Survey Methodology for the Annual Traffic Census in Hong Kong](#). *Traffic Engineering and Control*, 44(6), 214-218.
- [J49] Lam, W., WT Hung, H. Lo, HP Lo, CO Tong, SC Wong, H Yang. 2003. [Advancement of the Annual Traffic Census in Hong Kong](#). *Proceedings of the Institution of Civil Engineers, Transport*, 156, 103-115.
- [J48] Han, D. and **H. Lo**. 2004. [Solving variational inequality problems with linear constraints by a proximal decomposition algorithm](#). *Journal of Global Optimization*, 28 (1): 97-113.
- [J47] Wong, SC, B.S.Y. Leung, B.P.Y. Loo, W.T. Hung, and **H. Lo**. 2004. [A Qualitative Assessment Methodology for Road Safety Policy Strategies](#). *Accident Analysis and Prevention*, 36 (2), 281-293.
- [J46] **Lo, H.**, and S.C. Wong. 2004. [Emerging Techniques for Urban Transportation Planning](#). *ASCE Journal of Urban Planning and Development*, 130(1), 1.
- [J45] Wong S.C., Leung B.S.Y., Hung W.T. and **Lo H.** 2002. A qualitative assessment methodology for road safety policy strategies. *China Public Security Journal*, 60(3), 160. (In Chinese)
- [J44] **Lo, H.** and H.F. Chow. 2002. [Adaptive Traffic Control: Control Strategy, Prediction Resolution, and Accuracy](#). *Journal of Advanced Transportation: ITS Special Issue*, 36 (3), 323-347. ([original manuscript](#))
- [J43] **Lo, H.**, and S.C. Wong. 2002. [Recent Methodological Advances in Urban Transportation Planning](#). *ASCE Journal of Urban Planning and Development*, 128(4), 167-168.

- [J42] Wong, S.C., C. Zhou, **H. Lo**, and H. Yang. 2004. [An Improved Solution Algorithm For the Multi-Commodity Continuous Distribution And Assignment Model](#). *ASCE Journal of Urban Planning and Development*, 130(1), 14-23.
- [J41] **Lo, H.** and Y.K. Tung. 2003. [Network with degradable Links: Capacity Analysis and Design](#). *Transportation Research B*, 37, 345-363.
- [J40] **Lo, H.K.**, Wan, K.H., Yip, C.W. 2002. [Multi-modal Transit Services with Heterogeneous Travelers](#). *Transportation Research Record*, 1799, 26-34. ([original manuscript](#))
- [J39] W. Lin and **H. Lo**. 2003. [A Theoretical Probe of a German Experiment on Stationary Moving Traffic Jams](#). *Transportation Research B*, 37, 251-261.
- [J38] **Lo, H.K.**, Yip, C.W., Wan, Q.K. 2004. [Modeling Competitive Multi-modal Transit Services: A Nested Logit Approach](#). *Transportation Research C*, 12, 251-272. ([original manuscript](#))
- [J37] **Lo, H.** 2002. [Trip Travel Time Reliability in Degradable Transport Networks](#). *Transportation and Traffic Theory*. Edited by M. Taylor, Elsevier Science, 541-560.
- [J36] **Lo, H.** and W.Y. Szeto. 2001. [Advanced Transportation Information Systems: a Cost-Effective Alternative for Network Capacity Expansion?](#) *ITS Journal*, 6(4), 375-395.
- [J35] **Lo, H.K.**, Yip, C.W., Wan, K.H. 2003. [Modeling Transfers and Nonlinear Fare Structure in Multi-modal Transit Network](#). *Transportation Research B*, 37, 149-170.
- [J34] Han, D. and **H. Lo**. 2002. [Two New Self-adaptive Projection Methods for Variational Inequality Problems](#). *Computers and Mathematics with Applications*, 43, 1529-1537.
- [J33] **Lo, H.K.**, Szeto, W.Y.. 2002. [A Cell-based Variational Inequality Formulation of the Dynamic User Optimal Assignment Problem](#). *Transportation Research B*, 36, 421-443.
- [J32] **Lo, H.K.**, Yip, C.W. 2001. [Fare Deregulation of Transit Services: Winners and Losers in a Competitive Market](#). *Journal of Advanced Transportation*, 35(3), 215-235. ([original manuscript](#))
- [J31] Han, D and **H. Lo**. 2002. [A New Alternating Direction Method For a Class of Nonlinear Variational Inequality Problems](#). *Journal of Optimization Theory and Applications*, 112 (3), 549-560.
- [J30] **Lo, H.** and Y.W. Szeto. 2002. [A Cell-Based Dynamic Traffic Assignment Model: Formulation and Properties](#). *Mathematical and Computer Modelling*, 35 (7-8), 849-865.
- [J29] Han, D. and **H. Lo**. 2000. A New Modified Extra-Gradient Method for Variational Inequality Problems. *Neural, Parallel & Scientific Computations*, 8, 401-414.
- [J28] Han, D. and **H. Lo**. 2002. [A new stepsize rule in He and Zhou's alternating direction method](#). *Applied Mathematics Letters*, 15, 181-185.

- [J27] **Lo, H.** 2001. [A Cell-based Traffic Control Formulation: Strategies and Benefits of Dynamic Timing Plans](#). *Transportation Science*, 35(2), 148-164.
- [J26] **Lo, H., Y.W. Szeto.** 2002. [A Methodology for Sustainable Traveler Information Services](#). *Transportation Research B*, 36, 113-130.
- [J25] **Lo, H., E. Chang, and Y.C. Chan.** 2001. [Dynamic Network Traffic Control](#). *Transportation Research A*, 35(8), 721-744.
- [J24] **Lo, H., Y.W. Yip, and K.H. Lee.** 2000. [Transit Services in a Competitive Market](#). *Transportation Research Record*. 1735, 113-122. ([original manuscript](#))
- [J23] **Chen, A, H. Lo, and H. Yang.** 2001. [A Self-Adaptive Projection and Contraction Algorithm for the Traffic Equilibrium Problem with Path-Specific Costs](#). *European Journal of Operational Research*, 135 (1): 27-41.
- [J22] **Chen, A., H. Yang, H. Lo, and W. Tang.** 2002. [Capacity Reliability of a Road Network: An Assessment Methodology and Numerical Results](#). *Transportation Research B*, 36, 225-252.
- [J21] **Wong, S.C., C. Yang, and H. Lo.** 2001. [A Path-based Traffic Assignment Algorithm Using the TRANSYT Traffic Model](#). *Transportation Research B*, 35, 163-181.
- [J20] **Yang, H., Y. W. Lau, S. C. Wong, and H. Lo.** 2000. [A Macroscopic Taxi Model for Passenger Demand, Taxi Utilization, and Level of Services](#). *Transportation*, 27: (3) 317-340.
- [J19] **Lo, H. and A. Chen** 2000. [Traffic Equilibrium Problem with Route-specific Costs: Formulation and Algorithms](#). *Transportation Research B*, 34, 493-513
- [J18] **Lo, H. and A. Chen.** 2000. [Reformulating the Traffic Equilibrium Problem via a Smooth Gap Function](#). *Mathematical and Computer Modelling*, 31, 179-195.
- [J17] **Lo, H., E. Chang, and Y.C. Chan.** 2000. [Dynamic Intersection Signal Control Optimization \(DISCO\): Numerical Results for Argyle Street](#). *Hong Kong Institution of Engineers Transactions*, 6(3), 1-7. (**Awarded the HKIE Transactions 2000 Prize**)
- [J16] **Lin, W. and H. Lo.** 2000. [Are the Objective and Solutions of the Dynamic User-Equilibrium Models Always Consistent?](#) *Transportation Research A*, 34, pp. 137-144.
- [J15] **McCord. M., Y.K. Lee, and H. Lo.** 1999. [Strategic Routing Through Dynamic Current Estimates Derived from Satellite Altimetry: Simulated Performance Results](#). *Transportation Science*, 33, 1, 49-67.
- [J14] **Lo. H.** 1999. [A Dynamic Traffic Assignment Formulation that encapsulates the Cell Transmission Model](#). *Transportation and Traffic Theory*. Edited by A. Cedar, Elsevier Science, 327-350.
- [J13] **Lo, H.** 1999. [A Novel Traffic Signal Control Formulation](#). *Transportation Research A*, 33, pp. 433-448.

- [J12] **Chen, A.**, H. Yang, and **H. Lo**. 1999. A Capacity Related Reliability for Transportation Networks. *Journal of Advanced Transportation*, 33(2), 183-200.
- [J11] **Lo, H.**, **A. Chen**, and H. Yang. 1999. [Travel Time Minimization in Route Guidance with Elastic Market Penetration](#). *Transportation Research Record*, 1667, 25-32.
- [J10] **Lo, H.K.**, McCord, M. 1998. [Adaptive Ship Routing through Stochastic Ocean Currents: General Formulations and Empirical Results](#). *Transportation Research Part A*, 32, pp. 547-561.
- [J9] **Lo, H.** 1997. Organizing for Intelligent Transportation Systems: Case Study of Emergency Operations in the San Francisco Bay Area. *Transportation Research Record*, 1603, pp. 34-40.
- [J8] **Lo, H.** and M. Hickman. 1997. [Toward An Evaluation Framework for Road Pricing](#). *ASCE-Journal of Transportation Engineering*, 123(4), pp. 316-324.
- [J7] **Lo, H.**, B. Ran, and B. Hongola. 1996. A Multi-Class Dynamic Traffic Assignment Model: Formulation And Computational Experiences. *Transportation Research Record*, 1537, pp. 74-82.
- [J6] Ran, B, **H. Lo** and D. Boyce. 1996. A Formulation and Solution Algorithm for A Multi-class Dynamic Traffic Assignment Problem. *Transportation and Traffic Theory*. Edited by Lesort, J.B., Elsevier Science, UK, pp. 195-216.
- [J5] Hall, R., **H. Lo**, and E. Minge. 1995. Organization for Intelligent Transportation System: Computer Integrated Transportation. *Transportation Research Record*, 1516, pp. 78-84.
- [J4] **Lo, H.K.**, McCord, M. 1995. [Routing Through Dynamic Ocean Currents: General Heuristics and Empirical Results in the Gulf Stream Region](#). *Transportation Research Part B*, 29, pp. 109-124.
- [J3] **Lo, H.**, A. Chatterjee, F. Wegmann, S. Richards, and A. Rathi. 1994. [An Evaluation Framework for IVHS](#). *ASCE-Journal of Transportation Engineering*, 120(3), 447-460.
- [J2] **Lo, H.K.**, McCord, M., Wall, C. 1991. [Value of Ocean Current Information for Strategic Routing](#). *European Journal of Operational Research*, 55(2), pp. 124-135.
- [J1] **Lo, H.K.**, McCord, M. 1991. Altimetric Sensing of Currents: Spatial Averaging and Sampling Impacts on Ocean Routing. *Transportation Research Record*, 1312, pp. 177-183.