

# Meng Xu

## List of Publications by Year in descending order

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73  
papers

1,095  
citations

430442

18  
h-index

454577

30  
g-index

73  
all docs

73  
docs citations

73  
times ranked

699  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Dynamical analysis for a car-following model with delayed-feedback control of both velocity and acceleration differences. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 111, 106458.   | 1.7 | 7         |
| 2  | Fitting Spatial-Temporal Data via a Physics Regularized Multi-Output Grid Gaussian Process: Case Studies of a Bike-Sharing System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 21090-21101.   | 4.7 | 7         |
| 3  | Modelling bidding behaviors in shared parking auctions considering anticipated regrets. <i>Transportation Research, Part A: Policy and Practice</i> , 2022, 161, 88-106.   | 2.0 | 3         |
| 4  | Analysis of ride-sourcing drivers' working Pattern(s) via spatiotemporal work slices: A case study in Hangzhou. <i>Transport Policy</i> , 2022, 125, 336-351.  | 3.4 | 1         |
| 5  | Household travel mode choice estimation with large-scale data—an empirical analysis based on mobility data in Milan. <i>International Journal of Sustainable Transportation</i> , 2021, 15, 70-85.   | 2.1 | 12        |
| 6  | Operating a public-private mixed road network via determining tradable credits and road tolls: An equilibrium problem with equilibrium constraints approach. <i>International Journal of Sustainable Transportation</i> , 2021, 15, 87-96.   | 2.1 | 4         |
| 7  | Emerging technologies for sustainable transportation system. <i>International Journal of Sustainable Transportation</i> , 2021, 15, 323-324.   | 2.1 | 1         |
| 8  | Editorial: Transport governance innovations in urban mobility development. <i>Research in Transportation Business and Management</i> , 2021, 38, 100635.   | 1.6 | 0         |
| 9  | Editorial: Parking in the connected and automated era: Operation, planning, and management. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 127, 103115.  | 3.9 | 7         |
| 10 | Combination of tradable credit scheme and link capacity improvement to balance economic growth and environmental management in sustainable-oriented transport development: A bi-objective bi-level programming approach. <i>Transportation Research, Part A: Policy and Practice</i> , 2020, 137, 459-471. | 2.0 | 16        |
| 11 | High-occupancy vehicle lane management with tradable credit scheme: An equilibrium analysis. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 144, 102120.  | 3.7 | 5         |
| 12 | Pricing strategies for shared parking management with double auction approach: Differential price vs. uniform price. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 136, 101899.  | 3.7 | 45        |
| 13 | Effectiveness investigation of travel demand management measures in Beijing: Existing measures and a potential measure—tradable driving credit. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020, 72, 47-61.   | 1.8 | 12        |
| 14 | Governance of Emerging Autonomous Driving Development in China. <i>Transportation Research Record</i> , 2020, 2674, 281-290.   | 1.0 | 5         |
| 15 | Integrating link-based discrete credit charging scheme into discrete network design problem. <i>European Journal of Operational Research</i> , 2019, 272, 176-187.   | 3.5 | 25        |
| 16 | Distribution planning problem for a high-speed rail catering service considering time-varying demands and pedestrian congestion: A lot-sizing-based model and decomposition algorithm. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 123, 61-89.                     | 3.7 | 9         |
| 17 | Integrating the management and design of urban road network to alleviate tide traffic*. , 2019, , .  |     | 2         |
| 18 | Using tradable credit scheme for morning commuting congestion Management with an activity-based approach. , 2019, , .  |     | 1         |

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|----|---|-----|-----------|
| 19 | A perishable food supply chain problem considering demand uncertainty and time deadline constraints: Modeling and application to a high-speed railway catering service. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018, 111, 186-209. | 3.7 | 31        |
| 20 | Shared parking problem: A novel truthful double auction mechanism approach. <i>Transportation Research Part B: Methodological</i> , 2018, 109, 40-69.   | 2.8 | 82        |
| 21 | Effects of a tradable credits scheme on mobility management: A household utility based approach incorporating travel money and travel time budgets. <i>Case Studies on Transport Policy</i> , 2018, 6, 432-438.   | 1.1 | 6         |
| 22 | High-occupancy Vehicle Lanes and Tradable Credits Scheme for Traffic Congestion Management: A Bilevel Programming Approach. <i>Promet - Traffic - Traffico</i> , 2018, 30, 1-10.  | 0.3 | 11        |
| 23 | Integrated Multilevel Measures for the Transformation to a Transit Metropolis: The Successful and Unsuccessful Practices in Beijing. <i>Advances in Transport Policy and Planning</i> , 2018, 1, 1-34.  | 0.7 | 2         |
| 24 | Acceptability of a tradable driving credit scheme in the Netherlands and Beijing. <i>Case Studies on Transport Policy</i> , 2018, 6, 499-509.   | 1.1 | 16        |
| 25 | How to restrain participants opt out in shared parking market? A fair recurrent double auction approach. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 93, 36-61.  | 3.9 | 43        |
| 26 | Willingness to change car use under a tradable driving credits scheme: A comparison between Beijing and the Netherlands. <i>Journal of Transport and Land Use</i> , 2018, 11, .   | 0.7 | 8         |
| 27 | Joint road toll pricing and capacity development in discrete transport network design problem. <i>Transportation</i> , 2017, 44, 731-752.   | 2.1 | 21        |
| 28 | Private financing and mobility management of road network with tradable credits. <i>Transportation Research, Part A: Policy and Practice</i> , 2017, 97, 158-176.   | 2.0 | 7         |
| 29 | Designing an integrated distribution system for catering services for high-speed railways: A three-echelon location routing model with tight time windows and time deadlines. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 74, 212-244.           | 3.9 | 30        |
| 30 | Robust fuzzy quality function deployment based on the mean-end-chain concept: Service station evaluation problem for rail catering services. <i>European Journal of Operational Research</i> , 2017, 263, 974-995.  | 3.5 | 30        |
| 31 | Tradable Credits Scheme on Urban Travel Demand: A Linear Expenditure System Approach and Simulation in Beijing. <i>Transportation Research Procedia</i> , 2017, 25, 2934-2948.  | 0.8 | 4         |
| 32 | Implementation effects and integration evaluation of a selection of transport management measures in Beijing. <i>Case Studies on Transport Policy</i> , 2017, 5, 604-614.   | 1.1 | 14        |
| 33 | Exponential stability and interval stability of a class of stochastic hybrid systems driven by both Brownian motion and Poisson jumps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 487, 58-73.   | 1.2 | 6         |
| 34 | Characteristics of household mobility for Milan: A statistical investigation of underlying determinants. , 2017, , .  |     | 0         |
| 35 | VMT reduction and potential environmental effects with a tradable credits scheme: a simulation case study of Great Britain. <i>International Journal of Sustainable Development and World Ecology</i> , 2016, 23, 514-525.  | 3.2 | 5         |
| 36 | Stability analysis in a car-following model with reaction-time delay and delayed feedback control. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 459, 107-116.   | 1.2 | 38        |

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|----|---|-----|-----------|
| 37 | Traffic Assignment Under Tradable Credit Scheme: An Investigation Considering Travelers' Framing and Labeling of Credits. IEEE Intelligent Transportation Systems Magazine, 2016, 8, 74-89. | 2.6 | 11        |
| 38 | An activity-based approach for optimisation of land use and transportation network development. Transportmetrica B, 2016, 4, 111-134.   | 1.4 | 6         |
| 39 | Trip mode and travel pattern impacts of a Tradable Credits Scheme: A case study of Beijing. Transport Policy, 2016, 47, 72-83.  | 3.4 | 32        |
| 40 | Service Station Selection Problem for Catering Service of High-Speed Railway: A Two-Phrase Fuzzy QFD Approach. , 2015, , .  |     | 1         |
| 41 | Service Station Evaluation Problem in Catering Service of High-Speed Railway: A Fuzzy QFD Approach Based on Evidence Theory. Mathematical Problems in Engineering, 2015, 2015, 1-25.        | 0.6 | 2         |
| 42 | Characteristics of subway station ridership with surrounding land use: A case study in Beijing. , 2015, , .   |     | 5         |
| 43 | Travel mental budgeting under road toll: An investigation based on user equilibrium. Transportation Research, Part A: Policy and Practice, 2015, 73, 1-17.                                  | 2.0 | 8         |
| 44 | Evolution and assessment of economic regulatory policies for expressway infrastructure in China. Transport Policy, 2015, 41, 42-49.   | 3.4 | 22        |
| 45 | Models and a relaxation algorithm for continuous network design problem with a tradable credit scheme and equity constraints. Computers and Operations Research, 2014, 41, 252-261.         | 2.4 | 58        |
| 46 | An MPEC formulation and its cutting constraint algorithm for continuous network design problem with multi-user classes. Applied Mathematical Modelling, 2014, 38, 1846-1858.                | 2.2 | 14        |
| 47 | Joint link-based credit charging and road capacity improvement in continuous network design problem. Transportation Research, Part A: Policy and Practice, 2014, 67, 1-14.                  | 2.0 | 15        |
| 48 | The Role of Tradable Credit Schemes in Road Traffic Congestion Management. Transport Reviews, 2014, 34, 128-149.  | 4.7 | 93        |
| 49 | Tradable credit scheme for mobility management considering travelers' loss aversion. Transportation Research, Part E: Logistics and Transportation Review, 2014, 68, 138-154.               | 3.7 | 64        |
| 50 | Port Governance in China: Devolution and Effects Analysis. Procedia, Social and Behavioral Sciences, 2012, 43, 14-23.   | 0.5 | 15        |
| 51 | Parameters Sensitive Analyses for Using Genetic Algorithm to Solve Continuous Network Design Problems. Procedia, Social and Behavioral Sciences, 2012, 43, 435-444.                         | 0.5 | 7         |
| 52 | KdV and Kink-Antikink Solitons in an Extended Car-Following Model. Journal of Computational and Nonlinear Dynamics, 2011, 6, .  | 0.7 | 20        |
| 53 | A semismooth Newton method for traffic equilibrium problem with a general nonadditive route cost. Applied Mathematical Modelling, 2011, 35, 3048-3062.                                      | 2.2 | 18        |
| 54 | A complementary formulation for traffic equilibrium problem with a new nonadditive route cost. Science China Technological Sciences, 2011, 54, 2525-2530.                                   | 2.0 | 2         |

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|----|---|-----|-----------|
| 55 | An efficient algorithm for solving supply chain network equilibria and equivalent supernetwork based traffic network equilibria. <i>Science China Technological Sciences</i> , 2010, 53, 3264-3274.     | 2.0 | 5         |
| 56 | Mass transit systems of Beijing: governance evolution and analysis. <i>Transportation</i> , 2010, 37, 709-729.  | 2.1 | 29        |
| 57 | Particle Swarm Optimization Algorithm in Transport Continuous Network Design Problems. , 2010, , .  |     | 3         |
| 58 | Lane-to-lane urban traffic behaviors under different time scales. , 2009, , .   |     | 0         |
| 59 | Sensitivity Analysis of Simulated Annealing for Continuous Network Design Problems. <i>Journal of Transportation System Engineering and Information Technology</i> , 2009, 9, 64-70.                    | 0.6 | 5         |
| 60 | Chaos in a dynamic model of urban transportation network flow based on user equilibrium states. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 586-598.  | 2.5 | 9         |
| 61 | Using One-at-a-Time Sensitivity Analysis Designs for Genetic Algorithm Solving Continuous Network Design Problems. , 2009, , .  |     | 2         |
| 62 | Multi-class Multi-modal Network Equilibrium with Regular Choice Behaviors: A General Fixed Point Approach. , 2009, , 301-325.   |     | 6         |
| 63 | An improved origin-based algorithm for solving the combined distribution and assignment problem. <i>European Journal of Operational Research</i> , 2008, 188, 354-369.                                  | 3.5 | 13        |
| 64 | Supply chain network equilibrium model and its equivalent supernetwork based model: Complementarity formulations and comparisons. , 2008, , .   |     | 0         |
| 65 | Nonlinear Analysis of Road Traffic Flows in Discrete Dynamical System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2008, 3, .  | 0.7 | 8         |
| 66 | Analyzing nonlinear time series of multi-lane highway traffic volume. <i>Journal of Physics: Conference Series</i> , 2008, 96, 012055.  | 0.3 | 1         |
| 67 | An Origin-Based Algorithm for a Combined Distribution, Hierarchical Mode Choice, and Assignment Network Model. , 2008, , .  |     | 0         |
| 68 | Behaviours in a dynamical model of traffic assignment with elastic demand. <i>Chinese Physics B</i> , 2007, 16, 1608-1614.  | 1.3 | 13        |
| 69 | Chaos in a Discrete Dynamic Model of Traffic Flow. , 2007, , .  |     | 0         |
| 70 | The relaxation time of a single-mode dye laser system driven by cross-correlated additive and multiplicative noises. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 354, 143-152. | 1.2 | 5         |
| 71 | Stochastic resonance in an asymmetric bistable system driven by correlated multiplicative and additive noise. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 1183-1187.                                | 2.5 | 44        |
| 72 | Stochastic resonance in linear system due to dichotomous noise modulated by bias signal. <i>Journal of Physics A</i> , 2005, 38, 3733-3742.   | 1.6 | 33        |

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|----|--|-----|-----------|
| 73 | Transport management measures in the post-Olympic Games period: supporting sustainable urban mobility for Beijing?. International Journal of Sustainable Development and World Ecology, 0, , 1-14. | 3.2 | 10        |