

Meng Xu

List of Publications by Year in descending order

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73
papers

1,095
citations

430874
18
h-index

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73
all docs

73
docs citations

73
times ranked

699
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Tradable Credit Schemes in Road Traffic Congestion Management. <i>Transport Reviews</i> , 2014, 34, 128-149.	8.8	93
2	Shared parking problem: A novel truthful double auction mechanism approach. <i>Transportation Research Part B: Methodological</i> , 2018, 109, 40-69.	5.9	82
3	Tradable credit scheme for mobility management considering travelers's loss aversion. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 68, 138-154.	7.4	64
4	Models and a relaxation algorithm for continuous network design problem with a tradable credit scheme and equity constraints. <i>Computers and Operations Research</i> , 2014, 41, 252-261.	4.0	58
5	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.	7.4	45
6	Stochastic resonance in an asymmetric bistable system driven by correlated multiplicative and additive noise. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 1183-1187.	5.1	44
7	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.	7.6	43
8	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.	2.6	38
9	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
10	Trip mode and travel pattern impacts of a Tradable Credits Scheme: A case study of Beijing. <i>Transport Policy</i> , 2016, 47, 72-83.	6.6	32
11	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.	7.4	31
12	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.	7.6	30
13	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.	5.7	30
14	Mass transit systems of Beijing: governance evolution and analysis. <i>Transportation</i> , 2010, 37, 709-729.	4.0	29
15	Integrating link-based discrete credit charging scheme into discrete network design problem. <i>European Journal of Operational Research</i> , 2019, 272, 176-187.	5.7	25
16	Evolution and assessment of economic regulatory policies for expressway infrastructure in China. <i>Transport Policy</i> , 2015, 41, 42-49.	6.6	22
17	Joint road toll pricing and capacity development in discrete transport network design problem. <i>Transportation</i> , 2017, 44, 731-752.	4.0	21
18	KdV and Kink-Antikink Solitons in an Extended Car-Following Model. <i>Journal of Computational and Nonlinear Dynamics</i> , 2011, 6, .	1.2	20

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19	A semismooth Newton method for traffic equilibrium problem with a general nonadditive route cost. <i>Applied Mathematical Modelling</i> , 2011, 35, 3048-3062.	4.2	18
20	Acceptability of a tradable driving credit scheme in the Netherlands and Beijing. <i>Case Studies on Transport Policy</i> , 2018, 6, 499-509.	2.5	16
21	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.	4.2	16
22	Port Governance in China: Devolution and Effects Analysis. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 43, 14-23.	0.5	15
23	Joint link-based credit charging and road capacity improvement in continuous network design problem. <i>Transportation Research, Part A: Policy and Practice</i> , 2014, 67, 1-14.	4.2	15
24	An MPEC formulation and its cutting constraint algorithm for continuous network design problem with multi-user classes. <i>Applied Mathematical Modelling</i> , 2014, 38, 1846-1858.	4.2	14
25	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.	2.5	14
26	Behaviours in a dynamical model of traffic assignment with elastic demand. <i>Chinese Physics B</i> , 2007, 16, 1608-1614.	1.3	13
27	An improved origin-based algorithm for solving the combined distribution and assignment problem. <i>European Journal of Operational Research</i> , 2008, 188, 354-369.	5.7	13
28	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.	4.1	12
29	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.	3.7	12
30	Traffic Assignment Under Tradable Credit Scheme: An Investigation Considering Travelers' Framing and Labeling of Credits. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2016, 8, 74-89.	3.8	11
31	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.	0.7	11
32	Transport management measures in the post-Olympic Games period: supporting sustainable urban mobility for Beijing?. <i>International Journal of Sustainable Development and World Ecology</i> , 0, , 1-14.	5.9	10
33	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.	5.1	9
34	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.	7.4	9
35	Nonlinear Analysis of Road Traffic Flows in Discrete Dynamical System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2008, 3, .	1.2	8
36	Travel mental budgeting under road toll: An investigation based on user equilibrium. <i>Transportation Research, Part A: Policy and Practice</i> , 2015, 73, 1-17.	4.2	8

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37	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, .	1.2	8
38	Parameters Sensitive Analyses for Using Genetic Algorithm to Solve Continuous Network Design Problems. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 43, 435-444.	0.5	7
39	Private financing and mobility management of road network with tradable credits. <i>Transportation Research, Part A: Policy and Practice</i> , 2017, 97, 158-176.	4.2	7
40	Editorial: Parking in the connected and automated era: Operation, planning, and management. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 127, 103115.	7.6	7
41	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.	3.3	7
42	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.	8.0	7
43	An activity-based approach for optimisation of land use and transportation network development. <i>Transportmetrica B</i> , 2016, 4, 111-134.	2.3	6
44	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.	2.6	6
45	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.	2.5	6
46	Multi-class Multi-modal Network Equilibrium with Regular Choice Behaviors: A General Fixed Point Approach. , 2009, , 301-325.		6
47	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.	2.6	5
48	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
49	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.	4.0	5
50	Characteristics of subway station ridership with surrounding land use: A case study in Beijing. , 2015, , .		5
51	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.	5.9	5
52	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.	7.4	5
53	Governance of Emerging Autonomous Driving Development in China. <i>Transportation Research Record</i> , 2020, 2674, 281-290.	1.9	5
54	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.	1.5	4

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55	Operating a publicâ€“private mixed road network via determining tradable credits and road tolls: An equilibrium problem with equilibrium constraints approach. International Journal of Sustainable Transportation, 2021, 15, 87-96.	4.1	4
56	Particle Swarm Optimization Algorithm in Transport Continuous Network Design Problems. , 2010, , .		3
57	Modelling bidding behaviors in shared parking auctions considering anticipated regrets. Transportation Research, Part A: Policy and Practice, 2022, 161, 88-106.	4.2	3
58	Using One-at-a-Time Sensitivity Analysis Designs for Genetic Algorithm Solving Continuous Network Design Problems. , 2009, , .		2
59	A complementary formulation for traffic equilibrium problem with a new nonadditive route cost. Science China Technological Sciences, 2011, 54, 2525-2530.	4.0	2
60	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.	1.1	2
61	Integrated Multilevel Measures for the Transformation to a Transit Metropolis: The Successful and Unsuccessful Practices in Beijing. Advances in Transport Policy and Planning, 2018, 1, 1-34.	1.5	2
62	Integrating the management and design of urban road network to alleviate tide traffic*. , 2019, , .		2
63	Analyzing nonlinear time series of multi-lane highway traffic volume. Journal of Physics: Conference Series, 2008, 96, 012055.	0.4	1
64	Service Station Selection Problem for Catering Service of High-Speed Railway: A Two-Phrase Fuzzy QFD Approach. , 2015, , .		1
65	Using tradable credit scheme for morning commuting congestion Management with an activity-based approach. , 2019, , .		1
66	Emerging technologies for sustainable transportation system. International Journal of Sustainable Transportation, 2021, 15, 323-324.	4.1	1
67	Analysis of ride-sourcing drivers' working Pattern(s) via spatiotemporal work slices: A case study in Hangzhou. Transport Policy, 2022, 125, 336-351.	6.6	1
68	Chaos in a Discrete Dynamic Model of Traffic Flow. , 2007, , .		0
69	Supply chain network equilibrium model and its equivalent supernetwork based model: Complementarity formulations and comparisons. , 2008, , .		0
70	Lane-to-lane urban traffic behaviors under different time scales. , 2009, , .		0
71	Characteristics of household mobility for Milan: A statistical investigation of underlying determinants. , 2017, , .		0
72	Editorial: Transport governance innovations in urban mobility development. Research in Transportation Business and Management, 2021, 38, 100635.	2.9	0

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73	An Origin-Based Algorithm for a Combined Distribution, Hierarchical Mode Choice, and Assignment Network Model. , 2008, , .		0