

Hao Hu

List of Publications by Year in descending order

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71
papers

1,563
citations

394421

19
h-index

315739

38
g-index

71
all docs

71
docs citations

71
times ranked

1037
citing authors

#	ARTICLE	IF	CITATIONS
1	Blockchain-based framework for improving supply chain traceability and information sharing in precast construction. <i>Automation in Construction</i> , 2020, 111, 103063.	9.8	273
2	Framework for modeling operational uncertainty to optimize offsite production scheduling of precast components. <i>Automation in Construction</i> , 2018, 86, 69-80.	9.8	100
3	Precast supply chain management in off-site construction: A critical literature review. <i>Journal of Cleaner Production</i> , 2019, 232, 1204-1217.	9.3	90
4	Improved Precast Production Scheduling Model Considering the Whole Supply Chain. <i>Journal of Computing in Civil Engineering</i> , 2017, 31, .	4.7	83
5	Constraint Programming Approach to Precast Production Scheduling. <i>Journal of Construction Engineering and Management - ASCE</i> , 2002, 128, 513-521.	3.8	81
6	Tactical berth and yard template design at container transshipment terminals: A column generation based approach. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 73, 168-184.	7.4	73
7	Production Scheduling for Precast Plants using a Flow Shop Sequencing Model. <i>Journal of Computing in Civil Engineering</i> , 2002, 16, 165-174.	4.7	72
8	Calibrating Rail Transit Assignment Models with Genetic Algorithm and Automated Fare Collection Data. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014, 29, 518-530.	9.8	64
9	RFID Enabled Knowledge-Based Precast Construction Supply Chain. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017, 32, 499-514.	9.8	54
10	An application of genetic algorithms to precast production scheduling. <i>Computers and Structures</i> , 2001, 79, 1605-1616.	4.4	53
11	Study on China-EU container shipping network in the context of Northern Sea Route. <i>Journal of Transport Geography</i> , 2016, 53, 50-60.	5.0	53
12	Simulation based multiple disturbances evaluation in the precast supply chain for improved disturbance prevention. <i>Journal of Cleaner Production</i> , 2018, 177, 232-244.	9.3	44
13	CO2 emission projection for Arctic shipping: A system dynamics approach. <i>Ocean and Coastal Management</i> , 2021, 205, 105531.	4.4	32
14	Spatial Analysis of Maritime Accidents Using the Geographic Information System. <i>Transportation Research Record</i> , 2013, 2326, 39-44.	1.9	31
15	Dynamic response to demand variability for precast production rescheduling with multiple lines. <i>International Journal of Production Research</i> , 2018, 56, 5386-5401.	7.5	31
16	Does a carbon tax affect the feasibility of Arctic shipping?. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 80, 102257.	6.8	30
17	Berth allocation recovery for container transshipment terminals. <i>Maritime Policy and Management</i> , 2020, 47, 558-574.	3.8	23
18	The dynamics between newbuilding ship price volatility and freight volatility in dry bulk shipping market. <i>International Journal of Shipping and Transport Logistics</i> , 2015, 7, 393.	0.5	22

#	ARTICLE	IF	CITATIONS
19	Modeling Worker Competence to Advance Precast Production Scheduling Optimization. Journal of Construction Engineering and Management - ASCE, 2018, 144, 04018098.	3.8	22
20	Emission charge and liner shipping network configuration – An economic investigation of the Asia-Europe route. Transportation Research, Part A: Policy and Practice, 2018, 110, 291-305.	4.2	21
21	Real-time assessment and prediction on maritime risk state on the Arctic Route. Maritime Policy and Management, 2020, 47, 352-370.	3.8	19
22	Synchronizing production scheduling with resources allocation for precast components in a multi-agent system environment. Journal of Manufacturing Systems, 2018, 49, 131-142.	13.9	18
23	The Introduction to System Dynamics Approach to Operational Efficiency and Sustainability of Dry Port's Main Parameters. Sustainability, 2019, 11, 2413.	3.2	18
24	An empirical analysis of freight rate and vessel price volatility transmission in global dry bulk shipping market. Journal of Traffic and Transportation Engineering (English Edition), 2015, 2, 353-361.	4.2	16
25	A Study of Resource Planning for Precast Production. Architectural Science Review, 2007, 50, 106-114.	2.2	15
26	Study on Identification of Spurious Public-Private Partnership Projects in China. IEEE Transactions on Engineering Management, 2020, 67, 376-384.	3.5	14
27	How would EEDI influence Chinese shipbuilding industry?. Maritime Policy and Management, 2013, 40, 495-510.	3.8	12
28	Optimization of Quay Crane Scheduling Constrained by Stability of Vessels. Transportation Research Record, 2013, 2330, 47-54.	1.9	12
29	An environmental and techno-economic analysis of transporting LNG via Arctic route. Transportation Research, Part A: Policy and Practice, 2021, 146, 56-71.	4.2	12
30	Probability Analysis of Damage to Offshore Pipeline by Ship Factors. Transportation Research Record, 2013, 2326, 24-31.	1.9	11
31	A personalized Human Factors Analysis and Classification System (HFACS) for construction safety management based on context-aware technology. Enterprise Information Systems, 2022, 16, 141-166.	4.7	10
32	Risk assessment model for international construction projects considering risk interdependence using the DEMATEL method. PLoS ONE, 2022, 17, e0265972.	2.5	10
33	Optimal annual net income of a containership using CO ₂ reduction measures under a marine emissions trading scheme. Transportation Letters, 2015, 7, 24-34.	3.1	9
34	Rail maintenance analysis using Petri nets. Structure and Infrastructure Engineering, 2017, 13, 783-793.	3.7	9
35	Modified stochastic user-equilibrium assignment algorithm for urban rail transit under network operation. Journal of Central South University, 2013, 20, 2897-2904.	3.0	8
36	Developing an effective fuzzy logic model for managing risks in marine oil transport. International Journal of Shipping and Transport Logistics, 2013, 5, 485.	0.5	8

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37	Developing a life cycle cost model for real-time condition monitoring in railways under uncertainty. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2017, 231, 111-121.	2.0	8
38	Hybrid Rescheduling Optimization Model under Disruptions in Precast Production Considering Real-World Environment. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	8
39	Dynamic Fuzzy Logic Model for Risk Assessment of Marine Crude Oil Transportation. Transportation Research Record, 2012, 2273, 121-127.	1.9	7
40	Application of Fuzzy Logic to Safety Risk Assessment of China's Maritime Passages. Transportation Research Record, 2012, 2273, 112-120.	1.9	7
41	Volatility transmission in the dry bulk newbuilding and secondhand markets: an empirical research. Transportation Letters, 2014, 6, 57-66.	3.1	7
42	A GA-based heuristic approach for offshore structure construction spatial scheduling under uncertainty. Ships and Offshore Structures, 2015, 10, 660-668.	1.9	7
43	Social Welfare-Based Concession Model for Build/Operate/Transfer Contracts. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	7
44	Predicting the Impact of Country-Related Risks on Cost Overrun for Overseas Infrastructure Projects. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	6
45	Estimating the economic loss of a seaport due to the impact of COVID-19. Regional Studies in Marine Science, 2022, 52, 102258.	0.7	6
46	Railway Train Wheel Maintenance Model and Its Application. Transportation Research Record, 2014, 2448, 28-36.	1.9	5
47	Rise of Interjurisdictional Commuters and Their Mode Choice: Evidence from the Chicago Metropolitan Area. Journal of the Urban Planning and Development Division, ASCE, 2017, 143, .	1.7	5
48	Data envelopment analysis based efficiency measurement of engineering change controlling for infrastructure construction under integrated project delivery mode. IET Intelligent Transport Systems, 2020, 14, 1433-1439.	3.0	5
49	Research on feeder network design: a case study of feeder service for the port of Kotka. European Transport Research Review, 2020, 12, .	4.8	4
50	A RULE BASED FUZZY SYNTHETIC EVALUATION METHOD FOR RISK ASSESSMENT IN PIPELINE TRANSPORT. Transport, 2014, 29, 355-362.	1.2	3
51	Data Fusion of Maritime Incident Databases with Dempster-Shafer Theory. Transportation Research Record, 2014, 2426, 27-32.	1.9	2
52	Application of Geographic information system to calculate the probability of piracy occurrence. , 2015, , .		2
53	Urban end distribution optimization under e-commerce environment. Journal of Shanghai Jiaotong University (Science), 2016, 21, 513-523.	0.9	2
54	Optimization of precast production scheduling for rail track slab. , 2017, , .		2

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55	Competence Based Worker Assignment and Impacts on Production Scheduling in Precast Construction. , 2018, , .		2
56	Planning shuttle vessel operations in large container terminals based on waterside congestion cases. Maritime Policy and Management, 2021, 48, 988-1009.	3.8	2
57	How Will the Marine Emissions Trading Scheme Influence the Profit and CO2 Emissions of a Containership. Lecture Notes in Computer Science, 2013, , 45-57.	1.3	2
58	A multi-criteria decision model based on the evidential reasoning approach for the selection of fulcrum ports supporting Arctic shipping through the Northeast Passage. Maritime Policy and Management, 2022, 49, 214-235.	3.8	2
59	RISK CAUSATION MODEL TO CAPTURE AND TRANSFER KNOWLEDGE IN INTERNATIONAL CONSTRUCTION PROJECTS. Journal of Civil Engineering and Management, 2022, 28, 457-468.	3.5	2
60	A Hybrid GA-CP Approach for Production Scheduling. , 2009, , .		1
61	Research on the Supplier Selection Strategy Model for Shipbuilding Companies under Different Market Quotations. Applied Mechanics and Materials, 2013, 281, 700-703.	0.2	1
62	A stochastic concession model for infrastructure projects under build-operate-transfer schemes. Journal of Shanghai Jiaotong University (Science), 2016, 21, 320-327.	0.9	1
63	Zero-Inflated Exponential Distribution of Casualty Rate in Ship Collision. Journal of Shanghai Jiaotong University (Science), 2019, 24, 739-744.	0.9	1
64	The Combination of HFACS and Context-aware Technology for Personalized Safety Management on Construction Sites. , 2019, , .		1
65	Developing a Hierarchical Road Layout Method for Large-Scale Construction Site. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	3.8	1
66	An Investigation of the Perceived Adverse Impacts and Control of Construction Noise in China. , 2020, , .		1
67	Application of Minimum-Cost Flow Problem for Shuttle Tanker Transportation Planning. Transportation Research Record, 2015, 2477, 40-49.	1.9	0
68	Development of a worldwide ferry safety database utilizing relational database approach. Journal of Transportation Safety and Security, 2019, 11, 353-376.	1.6	0
69	34.3: Integrated Design Phase Process Flow Diagram for US Electronic Facility in China. Digest of Technical Papers SID International Symposium, 2021, 52, 222-237.	0.3	0
70	Code Compliance in Reinforce Concrete Design: A Comparative Study of USA Code (ACI) and Chinese Code (GB). Advances in Civil Engineering, 2021, 2021, 1-9.	0.7	0
71	Preliminary CSI specification localization methodology matrix in China. International Journal of Construction Management, 0, , 1-10.	3.2	0