

Ping Huang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

642
citations

567281

15
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

191
citing authors

#	ARTICLE	IF	CITATIONS
1	A deep learning approach for multi-attribute data: A study of train delay prediction in railway systems. <i>Information Sciences</i> , 2020, 516, 234-253.	6.9	70
2	OORNet: A deep learning model for on-board condition monitoring and fault diagnosis of out-of-round wheels of high-speed trains. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 199, 111268.	5.0	62
3	Train Dispatching Management With Data- Driven Approaches: A Comprehensive Review and Appraisal. <i>IEEE Access</i> , 2019, 7, 114547-114571.	4.2	49
4	Modeling train operation as sequences: A study of delay prediction with operation and weather data. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 141, 102022.	7.4	46
5	A Bayesian network model to predict the effects of interruptions on train operations. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 114, 338-358.	7.6	45
6	Statistical investigation on train primary delay based on real records: evidence from Wuhanâ€™Guangzhou HSR. <i>International Journal of Rail Transportation</i> , 2017, 5, 170-189.	2.7	40
7	A hybrid model to improve the train running time prediction ability during high-speed railway disruptions. <i>Safety Science</i> , 2020, 122, 104510.	4.9	34
8	A predictive model of train delays on a railway line. <i>Journal of Forecasting</i> , 2020, 39, 470-488.	2.8	34
9	Forecasting primary delay recovery of high-speed railway using multiple linear regression, supporting vector machine, artificial neural network, and random forest regression. <i>Canadian Journal of Civil Engineering</i> , 2019, 46, 353-363.	1.3	29
10	MBSNet: A deep learning model for multibody dynamics simulation and its application to a vehicle-track system. <i>Mechanical Systems and Signal Processing</i> , 2021, 157, 107716.	8.0	24
11	Deep learning-based fault diagnostic network of high-speed train secondary suspension systems for immunity to track irregularities and wheel wear. <i>Railway Engineering Science</i> , 2022, 30, 96-116.	4.4	24
12	Stochastic Model of Train Running Time and Arrival Delay: A Case Study of Wuhanâ€™Guangzhou High-Speed Rail. <i>Transportation Research Record</i> , 2018, 2672, 215-223.	1.9	22
13	Near-term train delay prediction in the Dutch railways network. <i>International Journal of Rail Transportation</i> , 2021, 9, 520-539.	2.7	22
14	Modeling train timetables as images: A cost-sensitive deep learning framework for delay propagation pattern recognition. <i>Expert Systems With Applications</i> , 2021, 177, 114996.	7.6	21
15	Statistical delay distribution analysis on high-speed railway trains. <i>Journal of Modern Transportation</i> , 2019, 27, 188-197.	2.5	17
16	Enhancing the Understanding of Train Delays With Delay Evolution Pattern Discovery: A Clustering and Bayesian Network Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 15367-15381.	8.0	16
17	Modeling the Influence of Disturbances in High-Speed Railway Systems. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-13.	1.7	14
18	Prediction of train arrival delays considering route conflicts at multi-line stations. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 138, 103606.	7.6	11

#	ARTICLE	IF	CITATIONS
19	Data-driven models for predicting delay recovery in high-speed rail. , 2017, , .		10
20	A data-driven time supplements allocation model for train operations on high-speed railways. International Journal of Rail Transportation, 2019, 7, 140-157.	2.7	8
21	Data-driven decision support for rail traffic control: A predictive approach. Expert Systems With Applications, 2022, 207, 118050.	7.6	8
22	Cause-specific investigation of primary delays of Wuhanâ€™Guangzhou HSR. Transportation Letters, 2020, 12, 451-464.	3.1	7
23	Predictive models for influence of primary delays using high-speed train operation records. Journal of Forecasting, 2020, 39, 1198-1212.	2.8	7
24	Delay recovery model for high-speed trains with compressed train dwell time and running time. Railway Engineering Science, 2020, 28, 424-434.	4.4	6
25	Predicting the effectiveness of supplement time on delay recoveries: a support vector regression approach. International Journal of Rail Transportation, 2022, 10, 375-392.	2.7	6
26	Train operation conflict detection for high-speed railways: a naïve Bayes approach. International Journal of Rail Transportation, 2023, 11, 188-206.	2.7	3
27	A multi-output deep learning model based on Bayesian optimization for sequential train delays prediction. International Journal of Rail Transportation, 2023, 11, 705-731.	2.7	3
28	Statistical Analysis of Train Delay and Delay Propagation Patterns in a High-Speed Railway System. , 2019, , .		2
29	Identifying key trains and their reasonable ratios in high-speed rail timetables. Journal of Transportation Safety and Security, 2016, 8, 118-135.	1.6	1
30	Estimating the Total Delay Times Owing to Disruptions in High-Speed Rail Systems. , 2019, , .		1