

Edward Huang

List of Publications by Year in descending order

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39
papers

705
citations

1039880

9
h-index

610775

24
g-index

39
all docs

39
docs citations

39
times ranked

658
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation Optimization: A Review and Exploration in the New Era of Cloud Computing and Big Data. Asia-Pacific Journal of Operational Research, 2015, 32, 1550019.	0.9	148
2	Simulation optimization in the era of Industrial 4.0 and the Industrial Internet. Journal of Simulation, 2016, 10, 310-320.	1.0	111
3	MO ² TOS: Multi-Fidelity Optimization with Ordinal Transformation and Optimal Sampling. Asia-Pacific Journal of Operational Research, 2016, 33, 1650017.	0.9	67
4	System and simulation modeling using SYSML. , 2007, , .		63
5	Optimal inventory control in a multi-period newsvendor problem with non-stationary demand. Advanced Engineering Informatics, 2015, 29, 139-145.	4.0	48
6	Strategic robust supply chain design based on the Pareto-optimal tradeoff between efficiency and risk. European Journal of Operational Research, 2014, 237, 508-518.	3.5	47
7	Verifying SysML activity diagrams using formal transformation to Petri nets. Systems Engineering, 2020, 23, 118-135.	1.6	27
8	A multi-objective production planning problem with the consideration of time and cost in clinical trials. Expert Systems With Applications, 2019, 124, 25-38.	4.4	19
9	Improving Analytic Hierarchy Process Expert Allocation Using Optimal Computing Budget Allocation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1140-1147.	5.9	17
10	An ordinal transformation framework for multi-fidelity simulation optimization. , 2014, , .		14
11	Job Dispatch Control for Production Lines With Overlapped Time Window Constraints. IEEE Transactions on Semiconductor Manufacturing, 2018, 31, 206-214.	1.4	12
12	Airport baggage handling system simulation modeling using SysML. , 2015, , .		11
13	Trading off Supply Chain Risk and Efficiency through Supply Chain Design. Procedia Computer Science, 2013, 16, 658-667.	1.2	10
14	Robust material handling system design with standard deviation, variance and downside risk as risk measures. International Journal of Production Economics, 2015, 170, 815-824.	5.1	10
15	Optimal assignment of airport baggage unloading zones to outgoing flights. Transportation Research, Part E: Logistics and Transportation Review, 2016, 94, 110-122.	3.7	10
16	Equipment Utilization Enhancement in Photolithography Area Through a Dynamic System Control Using Multi-Fidelity Simulation Optimization With Big Data Technique. IEEE Transactions on Semiconductor Manufacturing, 2017, 30, 166-175.	1.4	9
17	Toward on-demand wafer fab simulation using formal structure & behavior models. , 2008, , .		8
18	A Multi-Fidelity Model Approach for Simultaneous Scheduling of Machines and Vehicles in Flexible Manufacturing Systems. Asia-Pacific Journal of Operational Research, 2018, 35, 1850005.	0.9	8

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19	Robust model for the assignment of outgoing flights on airport baggage unloading areas. Transportation Research, Part E: Logistics and Transportation Review, 2018, 115, 110-125.	3.7	8
20	Systems Engineering and Design of High-Tech Factories. , 2006, , .		7
21	Modeling Inference Enterprises Using Multiple Interoperating Models. IncoSE International Symposium, 2018, 28, 1764-1777.	0.2	7
22	Job Scheduling at Cascading Machines. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1634-1642.	3.4	6
23	A new optimal sampling rule for multi-fidelity optimization via ordinal transformation. , 2016, , .		5
24	Clinical trial supply chain design based on the Pareto-optimal trade-off between time and cost. IJSE Transactions, 2018, 50, 512-524.	1.6	5
25	Design Parameter Optimization of Automated Production Systems. , 2018, , .		4
26	Study structure may compromise understanding of longitudinal decision regret stability: A systematic review. Patient Education and Counseling, 2020, 103, 1507-1517.	1.0	4
27	A Game Theory Perspective on Requirement-Based Engineering Design. , 2018, , 901-910.		4
28	Robust global supply network design. Information, Knowledge, Systems Management, 2012, 11, 119-130.	0.4	3
29	Improving the efficiency of evolutionary algorithms for large-scale optimization with multi-fidelity models. , 2016, , .		3
30	Job scheduling of diffusion furnaces in semiconductor fabrication facilities. European Journal of Operational Research, 2022, 301, 141-152.	3.5	3
31	A Study on the Optimal Inventory Allocation for Clinical Trial Supply Chains. Applied Mathematical Modelling, 2021, 98, 161-184.	2.2	2
32	Improving ordinal transformation through optimal combination of multi-model predictions. , 2016, , .		1
33	An optimization approach for team coordination through information sharing. , 2017, , .		1
34	Use of a Multidisciplinary Design Optimization Approach to Model Treatment Decisions in Oropharyngeal Cancer. IncoSE International Symposium, 2018, 28, 1109-1122.	0.2	1
35	A Coordinate Optimization Approach for Concurrent Design. IEEE Transactions on Automatic Control, 2019, 64, 2913-2920.	3.6	1
36	Combating Sex Trafficking: The Role of the Hotelâ€™ Moral and Ethical Questions. Religions, 2022, 13, 138.	0.3	1

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37	A Game-Theoretical Framework for Coordination in Requirement-Based Engineering Design. In cose International Symposium, 2018, 28, 1651-1659.	0.2	0
38	Effiziente Initialisierung von Steuerungsparametern für Cyber-Physische Produktionssysteme via Multi-Ebenen-Optimierung. Automatisierungstechnik, 2019, 67, 477-489.	0.4	0
39	Robust Sampling Budget Allocation Under Deep Uncertainty. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6339-6347.	5.9	0