

# 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	Job scheduling of diffusion furnaces in semiconductor fabrication facilities. <i>European Journal of Operational Research</i> , 2022, 301, 141-152.	3.5	3
2	Robust Sampling Budget Allocation Under Deep Uncertainty. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 6339-6347.	5.9	0
3	Combating Sex Trafficking: The Role of the Hotel – Moral and Ethical Questions. <i>Religions</i> , 2022, 13, 138.	0.3	1
4	A Study on the Optimal Inventory Allocation for Clinical Trial Supply Chains. <i>Applied Mathematical Modelling</i> , 2021, 98, 161-184.	2.2	2
5	Verifying SysML activity diagrams using formal transformation to Petri nets. <i>Systems Engineering</i> , 2020, 23, 118-135.	1.6	27
6	Study structure may compromise understanding of longitudinal decision regret stability: A systematic review. <i>Patient Education and Counseling</i> , 2020, 103, 1507-1517.	1.0	4
7	A Coordinate Optimization Approach for Concurrent Design. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 2913-2920.	3.6	1
8	Effiziente Initialisierung von Steuerungsparametern für Cyber-Physische Produktionssysteme via Multi-Ebenen-Optimierung. <i>Automatisierungstechnik</i> , 2019, 67, 477-489.	0.4	0
9	A multi-objective production planning problem with the consideration of time and cost in clinical trials. <i>Expert Systems With Applications</i> , 2019, 124, 25-38.	4.4	19
10	A Multi-Fidelity Model Approach for Simultaneous Scheduling of Machines and Vehicles in Flexible Manufacturing Systems. <i>Asia-Pacific Journal of Operational Research</i> , 2018, 35, 1850005.	0.9	8
11	Clinical trial supply chain design based on the Pareto-optimal trade-off between time and cost. <i>IIEE Transactions</i> , 2018, 50, 512-524.	1.6	5
12	Design Parameter Optimization of Automated Production Systems. , 2018, , .		4
13	Use of a Multidisciplinary Design Optimization Approach to Model Treatment Decisions in Oropharyngeal Cancer. <i>IncoSE International Symposium</i> , 2018, 28, 1109-1122.	0.2	1
14	A Game-Theoretical Framework for Coordination in Requirement-Based Engineering Design. <i>IncoSE International Symposium</i> , 2018, 28, 1651-1659.	0.2	0
15	Modeling Inference Enterprises Using Multiple Interoperating Models. <i>IncoSE International Symposium</i> , 2018, 28, 1764-1777.	0.2	7
16	Robust model for the assignment of outgoing flights on airport baggage unloading areas. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018, 115, 110-125.	3.7	8
17	Job Dispatch Control for Production Lines With Overlapped Time Window Constraints. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2018, 31, 206-214.	1.4	12
18	A Game Theory Perspective on Requirement-Based Engineering Design. , 2018, , 901-910.		4

#	ARTICLE	IF	CITATIONS
19	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
20	Job Scheduling at Cascading Machines. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1634-1642.	3.4	6
21	An optimization approach for team coordination through information sharing. , 2017, , .		1
22	A new optimal sampling rule for multi-fidelity optimization via ordinal transformation. , 2016, , .		5
23	Improving the efficiency of evolutionary algorithms for large-scale optimization with multi-fidelity models. , 2016, , .		3
24	Simulation optimization in the era of Industrial 4.0 and the Industrial Internet. Journal of Simulation, 2016, 10, 310-320.	1.0	111
25	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
26	Improving ordinal transformation through optimal combination of multi-model predictions. , 2016, , .		1
27	MO <sup>2</sup> TOS: Multi-Fidelity Optimization with Ordinal Transformation and Optimal Sampling. Asia-Pacific Journal of Operational Research, 2016, 33, 1650017.	0.9	67
28	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
29	Optimal inventory control in a multi-period newsvendor problem with non-stationary demand. Advanced Engineering Informatics, 2015, 29, 139-145.	4.0	48
30	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
31	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
32	Airport baggage handling system simulation modeling using SysML. , 2015, , .		11
33	An ordinal transformation framework for multi-fidelity simulation optimization. , 2014, , .		14
34	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
35	Trading off Supply Chain Risk and Efficiency through Supply Chain Design. Procedia Computer Science, 2013, 16, 658-667.	1.2	10
36	Robust global supply network design. Information, Knowledge, Systems Management, 2012, 11, 119-130.	0.4	3

#	ARTICLE	IF	CITATIONS
37	Toward on-demand wafer fab simulation using formal structure & behavior models. , 2008, , .		8
38	System and simulation modeling using SYSML. , 2007, , .		63
39	Systems Engineering and Design of High-Tech Factories. , 2006, , .		7