Hui Xiao

List of Publications by Year
in descending order

61 papers	1,231 citations	331670 21 h-index	414414 32 g-index
61 all docs	61 docs citations	61 times ranked	580 citing authors

#	ARTICLE	IF	CITATIONS
1	Bi-Objective Modeling and Optimization for Stochastic Two-Stage Open Shop Scheduling Problems in the Sharing Economy. IEEE Transactions on Engineering Management, 2023, 70, 3395-3409.	3.5	14
2	Optimal Inspection Policy for a Single-Unit System Considering Two Failure Modes and Production Wait Time. IEEE Transactions on Reliability, 2023, 72, 395-407.	4.6	22
3	A convergent algorithm for ranking and selection with censored observations. IISE Transactions, 2023, 55, 523-535.	2.4	3
4	Reliability of a Distributed Computing System With Performance Sharing. IEEE Transactions on Reliability, 2022, 71, 1555-1566.	4.6	20
5	Importance measure-based resilience analysis of a wind power generation system. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2022, 236, 395-405.	0.7	3
6	Optimal interception strategy of air defence missile system considering multiple targets and phases. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2022, 236, 138-147.	0.7	5
7	Reliability modeling and configuration optimization of a photovoltaic based electric power generation system. Reliability Engineering and System Safety, 2022, 220, 108285.	8.9	10
8	Preventive maintenance for heterogeneous parallel systems with two failure modes. Reliability Engineering and System Safety, 2022, 220, 108310.	8.9	13
9	Reliability analysis and optimal generator allocation and protection strategy of a non-repairable power grid system. Reliability Engineering and System Safety, 2022, 222, 108443.	8.9	9
10	Offline sequential learning via simulation. IISE Transactions, 2022, 54, 1019-1032.	2.4	1
11	Joint optimization of budget allocation and maintenance planning of multi-facility transportation infrastructure systems. European Journal of Operational Research, 2021, 288, 382-393.	5.7	21
12	Ranking and selection for terminating simulation under sequential sampling. IISE Transactions, 2021, 53, 735-750.	2.4	10
13	Optimal element allocation and sequencing of multi-state series systems with two levels of performance sharing. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2021, 235, 282-292.	0.7	5
14	Optimal allocation of multi-state elements in a sliding window system with phased missions. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2021, 235, 50-62.	0.7	11
15	Introduction to the special issue on Impact of COVID-19 and cryptocurrencies on the global financial market. Financial Innovation, 2021, 7, 27.	6.4	8
16	Stochastic optimization using grey wolf optimization with optimal computing budget allocation. Applied Soft Computing Journal, 2021, 103, 107154.	7.2	33
17	Optimal defense-attack strategies between M defenders and N attackers: A method based on cumulative prospect theory. Reliability Engineering and System Safety, 2021, 210, 107510.	8.9	16
18	Optimal computing budget allocation for the vector evaluated genetic algorithm in multi-objective simulation optimization. Automatica, 2021, 129, 109599.	5.0	83

#	Article	IF	Citations
19	A CROSS-PLATFORM MARKET STRUCTURE ANALYSIS METHOD USING ONLINE PRODUCT REVIEWS. Technological and Economic Development of Economy, 2021, 27, 992-1018.	4.6	9
20	Reliability modeling and optimization of a two-dimensional sliding window system. Reliability Engineering and System Safety, 2021, 215, 107870.	8.9	15
21	Defending a parallel system against a strategic attacker with redundancy, protection and disinformation. Reliability Engineering and System Safety, 2020, 193, 106651.	8.9	17
22	Optimal computing budget allocation for complete ranking with input uncertainty. IISE Transactions, 2020, 52, 489-499.	2.4	24
23	Defending a series system with individual protection, overarching protection, and disinformation. Reliability Engineering and System Safety, 2020, 204, 107131.	8.9	5
24	Balancing the demand and supply of a power grid system via reliability modeling and maintenance optimization. Energy, 2020, 210, 118470.	8.8	18
25	Reliability of a twoâ€dimensional demandâ€based networked system with multistate components. Naval Research Logistics, 2020, 67, 453-468.	2.2	32
26	Artificial neural network based software fault detection and correction prediction models considering testing effort. Applied Soft Computing Journal, 2020, 94, 106491.	7.2	25
27	Sequential imperfect preventive maintenance model with failure intensity reduction with an application to urban buses. Reliability Engineering and System Safety, 2020, 198, 106871.	8.9	34
28	Optimal design of a linear sliding window system with consideration of performance sharing. Reliability Engineering and System Safety, 2020, 198, 106900.	8.9	39
29	Optimal defense of a distributed data storage system against hackersâ€™ attacks. Reliability Engineering and System Safety, 2020, 197, 106790.	8.9	15
30	Analysis of the cascading failure for scale-free networks based on a multi-strategy evolutionary game. Reliability Engineering and System Safety, 2020, 199, 106919.	8.9	61
31	Optimal resource allocation for defending k-out-of-n systems against sequential intentional and unintentional impacts. Reliability Engineering and System Safety, 2020, 201, 106952.	8.9	16
32	Optimal Abort Policy of a Distributed System of Computers with Weibull Failure Time. , 2020, , .		0
33	Advancing Constrained Ranking and Selection With Regression in Partitioned Domains. IEEE Transactions on Automation Science and Engineering, 2019, 16, 382-391.	5.2	11
34	Trade-off between maintenance and protection for multi-state performance sharing systems with transmission loss. Computers and Industrial Engineering, 2019, 136, 305-315.	6.3	34
35	Redundancy versus protection for a non-reparable phased-mission system subject to external impacts. Reliability Engineering and System Safety, 2019, 191, 106556.	8.9	31
36	Efficient simulation budget allocation for subset selection using regression metamodels. Automatica, 2019, 106, 192-200.	5.0	6

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37	An efficient simulation procedure for ranking the top simulated designs in the presence of stochastic constraints. Automatica, 2019, 103, 106-115.	5.0	31
38	Reliability of sliding window systems with two failure modes. Reliability Engineering and System Safety, 2019, 188, 366-376.	8.9	18
39	Optimal Computing Budget Allocation for Binary Classification with Noisy Labels and its Applications on Simulation Analytics. , 2019, , .		2
40	Selecting an Optimal Subset with Regression Metamodels. , 2019, , .		1
41	A worstâ€case formulation for constrained ranking and selection with input uncertainty. Naval Research Logistics, 2019, 66, 648-662.	2.2	5
42	Simulation Budget Allocation for Selecting the Top-m Designs With Input Uncertainty. IEEE Transactions on Automatic Control, 2018, 63, 3127-3134.	5.7	36
43	Trade-Off Between Redundancy, Protection, and Imperfect False Targets in Defending Parallel Systems. Springer Series in Reliability Engineering, 2018, , 227-239.	0.5	1
44	Object defense with preventive strike and false targets. Reliability Engineering and System Safety, 2018, 169, 76-80.	8.9	26
45	Reliability of Linear Consecutive-k-Out-of-n Systems With Two Change Points. IEEE Transactions on Reliability, 2018, 67, 1019-1029.	4.6	31
46	Robust ranking and selection with optimal computing budget allocation. Automatica, 2017, 81, 30-36.	5.0	40
47	Simulation budget allocation for simultaneously selecting the best and worst subsets. Automatica, 2017, 84, 117-127.	5.0	29
48	Reliability of multi-state systems with aÂperformance sharing group of limited size. Reliability Engineering and System Safety, 2017, 166, 164-170.	8.9	50
49	Optimal computing budget allocation for ranking the top designs with stochastic constraints. , 2017, , .		0
50	Selecting the best system using transient means with sequential sampling constraints. , 2017, , .		0
51	Optimal computing budget allocation with input uncertainty. , 2016, , .		7
52	Optimal replacement and allocation of multiâ€state elements in kâ€withinâ€mâ€fromâ€r/n sliding window systems. Applied Stochastic Models in Business and Industry, 2016, 32, 184-198.	1.5	19
53	Optimal element loading for linear sliding window systems. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2016, 230, 75-84.	0.7	9
54	Optimal loading and protection of multi-state systems considering performance sharing mechanism. Reliability Engineering and System Safety, 2016, 149, 88-95.	8.9	73

#	Article	IF	Citations
55	Optimal Budget Allocation Rule for Simulation Optimization Using Quadratic Regression in Partitioned Domains. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1047-1062.	9.3	24
56	Efficient Simulation Budget Allocation for Ranking the Top<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>m</mml:mi></mml:mrow></mml:math>Designs. Discrete Dynamics in Nature and Society, 2014, 2014, 1-9.	0.9	0
57	Optimal protection and maintenance policy for complex systems. , 2014, , .		0
58	Optimal Computing Budget Allocation for Complete Ranking. IEEE Transactions on Automation Science and Engineering, 2014, 11, 516-524.	5.2	36
59	Optimal allocation and maintenance of multi-state elements in series–parallel systems with common bus performance sharing. Computers and Industrial Engineering, 2014, 72, 143-151.	6.3	94
60	Simulation optimization using genetic algorithms with optimal computing budget allocation. Simulation, 2014, 90, 1146-1157.	1.8	18
61	Linear m-gap-consecutive k-out-of-r-from-n system with common supply failures. , 2014, , .		2