

Shane G Henderson

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,181
citations

516710
16
h-index

434195
31
g-index

63
all docs

63
docs citations

63
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Call Center Staffing with Simulation and Cutting Plane Methods. Annals of Operations Research, 2004, 127, 333-358.	4.1	130
2	Optimizing Call Center Staffing Using Simulation and Analytic Center Cutting-Plane Methods. Management Science, 2008, 54, 295-309.	4.1	125
3	Behavior of the NORTA method for correlated random vector generation as the dimension increases. ACM Transactions on Modeling and Computer Simulation, 2003, 13, 276-294.	0.8	90
4	Travel time estimation for ambulances using Bayesian data augmentation. Annals of Applied Statistics, 2013, 7, .	1.1	76
5	Large-network travel time distribution estimation for ambulances. European Journal of Operational Research, 2016, 252, 322-333.	5.7	60
6	Efficient Ranking and Selection in Parallel Computing Environments. Operations Research, 2017, 65, 821-836.	1.9	58
7	Simulating Multivariate Nonhomogeneous Poisson Processes Using Projections. ACM Transactions on Modeling and Computer Simulation, 2012, 22, 1-13.	0.8	51
8	Two Issues in Setting Call Centre Staffing Levels. Annals of Operations Research, 2001, 108, 175-192.	4.1	47
9	Bisection Search with Noisy Responses. SIAM Journal on Control and Optimization, 2013, 51, 2261-2279.	2.1	42
10	Performance Evaluation and Policy Selection in Multiclass Networks. Discrete Event Dynamic Systems: Theory and Applications, 2003, 13, 149-189.	1.5	41
11	FORECAST ERRORS IN SERVICE SYSTEMS. Probability in the Engineering and Informational Sciences, 2009, 23, 305-332.	0.8	37
12	Modeling for COVID-19 college reopening decisions: Cornell, a case study. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	37
13	Simulation optimization for a large-scale bike-sharing system. , 2016, , .		33
14	Estimation for nonhomogeneous Poisson processes from aggregated data. Operations Research Letters, 2003, 31, 375-382.	0.7	31
15	Ambulance redeployment: An approximate dynamic programming approach. , 2009, , .		30
16	Stationarity of generalized autoregressive moving average models. Electronic Journal of Statistics, 2011, 5, .	0.7	30
17	Regenerative steady-state simulation of discrete-event systems. ACM Transactions on Modeling and Computer Simulation, 2001, 11, 313-345.	0.8	29
18	SimOpt: A library of simulation optimization problems. , 2011, , .		29

#	ARTICLE	IF	CITATIONS
19	CONVERGENCE OF SIMULATION-BASED POLICY ITERATION. Probability in the Engineering and Informational Sciences, 2003, 17, 213-234.	0.8	25
20	Analytics and Bikes: Riding Tandem with Motivate to Improve Mobility. Interfaces, 2019, 49, 310-323.	1.5	15
21	Ranking and selection in a high performance computing environment. , 2013, , .		13
22	History of seeking better solutions, AKA simulation optimization. , 2017, , .		11
23	GUARANTEES ON THE PROBABILITY OF GOOD SELECTION. , 2018, , .		11
24	The Error in Steady-State Approximations for the Time-Dependent Waiting Time Distribution. Stochastic Models, 2007, 23, 307-332.	0.5	10
25	Routine Surveillance and Vaccination on a University Campus During the Spread of the SARS-CoV-2 Omicron Variant. JAMA Network Open, 2022, 5, e2212906.	5.9	8
26	A Bayesian approach to stochastic root finding. , 2011, , .		7
27	A comparison of two parallel ranking and selection procedures. , 2014, , .		7
28	An efficient fully sequential selection procedure guaranteeing probably approximately correct selection. , 2017, , .		7
29	Probabilistic Bisection Converges Almost as Quickly as Stochastic Approximation. Mathematics of Operations Research, 2019, 44, 651-667.	1.3	6
30	Nonexistence of a class of variate generation schemes. Operations Research Letters, 2003, 31, 83-89.	0.7	5
31	The mathematics of continuous-variable simulation optimization. , 2008, , .		5
32	How should volunteers be dispatched to out-of-hospital cardiac arrest cases?. Queueing Systems, 2022, 100, 437-439.	0.9	5
33	Can the regenerative method be applied to discrete-event simulation?. , 1999, , .		4
34	Performance measures for Ranking and Selection procedures. , 2010, , .		4
35	Safe Blues: The case for virtual safe virus spread in the long-term fight against epidemics. Patterns, 2021, 2, 100220.	5.9	4
36	How Hard are Steady-State Queueing Simulations?. ACM Transactions on Modeling and Computer Simulation, 2015, 25, 1-21.	0.8	4

#	ARTICLE	IF	CITATIONS
37	Biased Gradient Estimators in Simulation Optimization. , 2020, , .		4
38	Posterior-Based Stopping Rules for Bayesian Ranking-and-Selection Procedures. INFORMS Journal on Computing, 2022, 34, 1711-1728.	1.7	4
39	Minimizing Multimodular Functions and Allocating Capacity in Bike-Sharing Systems. Operations Research, 2022, 70, 2715-2731.	1.9	4
40	Comparing two systems: Beyond common random numbers. , 2008, , .		3
41	Exploring bounds on ambulance deployment policy performance. , 2012, , .		3
42	Aggregating courier deliveries. Naval Research Logistics, 2018, 65, 187-202.	2.2	3
43	Sequential detection of convexity from noisy function evaluations. , 2014, , .		2
44	Empirically comparing the finite-time performance of simulation-optimization algorithms. , 2017, , .		2
45	Non-linear control variates for regenerative steady-state simulation. , 2007, , .		1
46	Staying sane on the tenure track. , 2008, , .		1
47	Allocating capacity in parallel queues to improve their resilience to deliberate attack. Naval Research Logistics, 2011, 58, 731-742.	2.2	1
48	Multisection: Parallelized bisection. , 2014, , .		1
49	A Novel Application to Optimize Utilization for NonUrgent Air Transfers. Air Medical Journal, 2014, 33, 34-39.	0.6	1
50	Estimating the Probability that a Function Observed with Noise Is Convex. INFORMS Journal on Computing, 2019, , .	1.7	1
51	Finite-sample performance guarantees for one-dimensional stochastic root finding. , 2007, , .		0
52	Estimating the probability that the game of Monopoly never ends. , 2009, , .		0
53	Identifying effective policies in approximate dynamic programming: Beyond regression. , 2010, , .		0
54	Tutorial: Teaching an advanced simulation topic. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	Challenges in applying ranking and selection after search. , 2016, , .		0
56	Call for Papers: <i>Service Science/Stochastic Systems</i> Joint Special Issue. Service Science, 2022, 14, 76-76.	1.3	0
57	Call for Papers: <i>Service Science/Stochastic Systems</i> Joint Special Issue. Stochastic Systems, 2022, 12, 1-1.	1.1	0
58	Reflections On Simulation Optimization. , 2021, , .		0