

# Jeffrey P Kharoufeh

## List of Publications by Year in descending order

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47  
papers

1,239  
citations

448610

19  
h-index

425179

34  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maintaining systems with heterogeneous spare parts. Naval Research Logistics, 2019, 66, 485-501.	1.4	11
2	Optimal stopping with a capacity constraint: Generalizing Shepp's urn scheme. Operations Research Letters, 2019, 47, 311-316.	0.5	2
3	On the ergodicity of a class of level-dependent quasi-birth-and-death processes. Advances in Applied Probability, 2019, 51, 1109-1128.	0.4	1
4	Structured storage policies for energy distribution networks. IIE Transactions, 2018, 50, 683-698.	1.6	1
5	Managing Energy Storage in Microgrids: A Multistage Stochastic Programming Approach. IEEE Transactions on Smart Grid, 2018, 9, 483-496.	6.2	70
6	OPTIMALLY REPLACING MULTIPLE SYSTEMS IN A SHARED ENVIRONMENT. Probability in the Engineering and Informational Sciences, 2018, 32, 179-206.	0.6	6
7	Linear programming formulation for non-stationary, finite-horizon Markov decision process models. Operations Research Letters, 2017, 45, 570-574.	0.5	5
8	Optimal maintenance policies for a safety-critical system and its deteriorating sensor. Naval Research Logistics, 2017, 64, 399-417.	1.4	12
9	STRATEGIC DYNAMIC JOCKEYING BETWEEN TWO PARALLEL QUEUES. Probability in the Engineering and Informational Sciences, 2016, 30, 41-60.	0.6	4
10	Optimal replacement of continuously degrading systems in partially observed environments. Naval Research Logistics, 2015, 62, 395-415.	1.4	13
11	Degradation modeling for real-time estimation of residual lifetimes in dynamic environments. IIE Transactions, 2015, 47, 471-486.	2.1	76
12	Incompleteness of results for the slow-server problem with an unreliable fast server. Annals of Operations Research, 2015, 226, 741-745.	2.6	3
13	A switching diffusion model for lifetime estimation in randomly varying environments. IIE Transactions, 2014, 46, 1227-1241.	2.1	29
14	OPTIMAL CONTROL OF A TWO-SERVER QUEUEING SYSTEM WITH FAILURES. Probability in the Engineering and Informational Sciences, 2014, 28, 489-527.	0.6	28
15	Maximizing the Lifetime of Query-Based Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2014, 10, 1-24.	2.3	13
16	Reliability of manufacturing equipment in complex environments. Annals of Operations Research, 2013, 209, 231-254.	2.6	28
17	The Modeling, Analysis, and Management of Intensive Care Units. Profiles in Operations Research, 2013, , 153-182.	0.3	8
18	On the performance evaluation of query-based wireless sensor networks. Performance Evaluation, 2013, 70, 124-147.	0.9	6

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19	OPTIMAL REPLACEMENT POLICIES UNDER ENVIRONMENT-DRIVEN DEGRADATION. Probability in the Engineering and Informational Sciences, 2012, 26, 405-424.	0.6	16
20	Statistical characterization of nanostructured materials from severe plastic deformation in machining. IIE Transactions, 2012, 44, 534-550.	2.1	5
21	The Unreliable $M/G/1$ Retrial Queue in a Random Environment. Stochastic Models, 2012, 28, 29-48.	0.3	32
22	OPTIMAL BERNOULLI ROUTING IN AN UNRELIABLE $M/G/1$ RETRIAL QUEUE. Probability in the Engineering and Informational Sciences, 2011, 25, 1-20.	0.6	6
23	Monotone optimal replacement policies for a Markovian deteriorating system in a controllable environment. Operations Research Letters, 2010, 38, 273-279.	0.5	51
24	Optimally maintaining a Markovian deteriorating system with limited imperfect repairs. European Journal of Operational Research, 2010, 205, 368-380.	3.5	47
25	Semi-Markov models for degradation-based reliability. IIE Transactions, 2010, 42, 599-612.	2.1	83
26	AN $M/G/1$ RETRIAL QUEUE WITH UNRELIABLE SERVER FOR STREAMING MULTIMEDIA APPLICATIONS. Probability in the Engineering and Informational Sciences, 2009, 23, 281-304.	0.6	24
27	On a Markov-modulated shock and wear process. Naval Research Logistics, 2009, 56, 563-576.	1.4	37
28	A queueing approach to optimal resource replication in wireless sensor networks. Performance Evaluation, 2008, 65, 689-700.	0.9	11
29	Energy-efficient search for finite-lifetime resources in sensor networks with time-constrained queries. Mobile Computing and Communications Review, 2008, 12, 31-39.	1.7	10
30	A trajectory-based selective broadcast query protocol for large-scale, high-density wireless sensor networks. Telecommunication Systems, 2007, 35, 67-86.	1.6	13
31	Bluetooth Inquiry Time Characterization and Selection. IEEE Transactions on Mobile Computing, 2006, 5, 1173-1187.	3.9	59
32	Availability of periodically inspected systems with Markovian wear and shocks. Journal of Applied Probability, 2006, 43, 303-317.	0.4	48
33	An $M/M/1$ retrial queue with unreliable server. Operations Research Letters, 2006, 34, 697-705.	0.5	59
34	Availability of periodically inspected systems with Markovian wear and shocks. Journal of Applied Probability, 2006, 43, 303-317.	0.4	43
35	Distorted Risk Measures with Application to Military Capability Shortfalls. , 2006, 11, 25-39.		3
36	Evaluating failure time probabilities for a Markovian wear process. Computers and Operations Research, 2005, 32, 1131-1145.	2.4	6

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37	Queuing delay models for single-lane roundabouts. Civil Engineering and Environmental Systems, 2005, 22, 133-150.	0.4	18
38	Stochastic models for degradation-based reliability. IIE Transactions, 2005, 37, 533-542.	2.1	145
39	Deriving Link Travel-Time Distributions via Stochastic Speed Processes. Transportation Science, 2004, 38, 97-106.	2.6	33
40	Uncertainty in Manufacture and Assembly of Multiple-Joint Solder Self-Assembled Microelectromechanical Systems (MEMS). Journal of Manufacturing Processes, 2004, 6, 32-50.	2.8	4
41	Analytical modeling of joint reception, staging, onward movement, and integration. Mathematical and Computer Modelling, 2004, 39, 799-815.	2.0	1
42	A fluid queueing model for link travel time moments. Naval Research Logistics, 2004, 51, 242-257.	1.4	4
43	Explicit results for wear processes in a Markovian environment. Operations Research Letters, 2003, 31, 237-244.	0.5	89
44	Refinements to the packet error rate upper bound for Bluetooth networks. IEEE Communications Letters, 2003, 7, 382-384.	2.5	10
45	Integrated Feature and Architecture Selection for Radial Basis Neural Networks. International Journal of Smart Engineering System Design, 2003, 5, 507-516.	0.2	1
46	Statistical tolerance analysis for non-normal or correlated normal component characteristics. International Journal of Production Research, 2002, 40, 337-352.	4.9	20
47	Nonparametric identification of daily activity durations using kernel density estimators. Transportation Research Part B: Methodological, 2002, 36, 59-82.	2.8	26