

# Zhe-George Zhang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98  
papers

2,346  
citations

24  
h-index

46  
g-index

102  
ext. papers

2,816  
ext. citations

4  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
98	Game theoretical perspectives on dual-channel supply chain competition with price discounts and pricing schemes. <i>International Journal of Production Economics</i> , <b>2009</b> , 117, 80-96	9.3	288
97	Vacation Queueing Models Theory and Applications. <i>Profiles in Operations Research</i> , <b>2006</b> ,	1	284
96	Forecasting stock indices with back propagation neural network. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 14346-14346	7.8	233
95	Stock index forecasting based on a hybrid model. <i>Omega</i> , <b>2012</b> , 40, 758-766	7.2	178
94	Discrete Time Geo/G/1 Queue with Multiple Adaptive Vacations. <i>Queueing Systems</i> , <b>2001</b> , 38, 419-429	1.7	63
93	The future natural gas consumption in China: Based on the LMDI-STIRPAT-PLSR framework and scenario analysis. <i>Energy Policy</i> , <b>2018</b> , 119, 215-225	7.2	56
92	Analysis on queueing systems with synchronous vacations of partial servers. <i>Performance Evaluation</i> , <b>2003</b> , 52, 269-282	1.2	54
91	An Optimal Age Replacement Policy for Multi-State Systems. <i>IEEE Transactions on Reliability</i> , <b>2013</b> , 62, 722-735	4.6	52
90	Optimal preventive maintenance and repair policies for multi-state systems. <i>Reliability Engineering and System Safety</i> , <b>2015</b> , 140, 78-87	6.3	50
89	The impact of the policy and behavior of public participation on environmental governance performance: Empirical analysis based on provincial panel data in China. <i>Energy Policy</i> , <b>2019</b> , 129, 1347-1354	7.2	49
88	The Discrete-Time GI/Geo/1 Queue with Multiple Vacations. <i>Queueing Systems</i> , <b>2002</b> , 40, 283-294	1.7	48
87	Analysis of the M/G/1 queue with exponentially working vacations—matrix analytic approach. <i>Queueing Systems</i> , <b>2009</b> , 61, 139-166	1.7	47
86	An extended optimal replacement model of systems subject to shocks. <i>European Journal of Operational Research</i> , <b>2006</b> , 175, 399-412	5.6	44
85	Forecasting the WTI crude oil price by a hybrid-refined method. <i>Energy Economics</i> , <b>2018</b> , 71, 114-127	8.3	34
84	Analysis of Queueing Systems with Synchronous Single Vacation for Some Servers. <i>Queueing Systems</i> , <b>2003</b> , 45, 161-175	1.7	34
83	Modeling Security-Check Queues. <i>Management Science</i> , <b>2011</b> , 57, 1979-1995	3.9	30
82	The N threshold policy for the GI/M/1 queue. <i>Operations Research Letters</i> , <b>2004</b> , 32, 77-84	1	29

81	Analysis of multi-server queue with a single vacation (e, d)-policy. <i>Performance Evaluation</i> , <b>2006</b> , 63, 825-838	28
80	The generalized age maintenance policies with random working times. <i>Reliability Engineering and System Safety</i> , <b>2018</b> , 169, 503-514	6.3 27
79	A multi-criteria optimal replacement policy for a system subject to shocks. <i>Computers and Industrial Engineering</i> , <b>2011</b> , 61, 1035-1043	6.4 27
78	Performance Analysis of a Queue with Congestion-Based Staffing Policy. <i>Management Science</i> , <b>2009</b> , 55, 240-251	3.9 27
77	A two threshold vacation policy in multiserver queueing systems. <i>European Journal of Operational Research</i> , <b>2006</b> , 168, 153-163	5.6 27
76	Extended optimal preventive replacement policies with random working cycle. <i>Reliability Engineering and System Safety</i> , <b>2019</b> , 188, 398-415	6.3 26
75	Strategic Queueing Behavior and Its Impact on System Performance in Service Systems with the Congestion-Based Staffing Policy. <i>Manufacturing and Service Operations Management</i> , <b>2013</b> , 15, 118-131	4.6 25
74	Refined analysis and prediction of natural gas consumption in China. <i>Journal of Management Science and Engineering</i> , <b>2019</b> , 4, 91-104	4.4 24
73	Reliability-based measures for a retrial system with mixed standby components. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 4640-4651	4.5 24
72	Computational analysis of machine repair problem with unreliable multi-repairmen. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 848-855	4.6 24
71	A note on replacement policy for a system subject to non-homogeneous pure birth shocks. <i>European Journal of Operational Research</i> , <b>2012</b> , 216, 503-508	5.6 23
70	Competition and Coordination in Two-Tier Public Service Systems under Government Fiscal Policy. <i>Production and Operations Management</i> , <b>2016</b> , 25, 1430-1448	3.6 23
69	On the Downs-Thomson Paradox in a Self-Financing Two-Tier Queueing System. <i>Manufacturing and Service Operations Management</i> , <b>2014</b> , 16, 315-322	4.6 22
68	Optimal maintenance policy for a system subject to damage in a discrete time process. <i>Reliability Engineering and System Safety</i> , <b>2012</b> , 103, 1-10	6.3 22
67	Dynamic pooling of make-to-stock and make-to-order operations. <i>International Journal of Production Economics</i> , <b>2013</b> , 144, 44-56	9.3 22
66	Optimal (d, c) vacation policy for a finite buffer M/M/c queue with unreliable servers and repairs. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 3949-3962	4.5 21
65	Analysis of two-tier public service systems under a government subsidy policy. <i>Computers and Industrial Engineering</i> , <b>2015</b> , 90, 146-157	6.4 19
64	An extended optimal replacement model for a deteriorating system with inspections. <i>Reliability Engineering and System Safety</i> , <b>2015</b> , 139, 33-49	6.3 17

63	On optimal preventive-maintenance policy for generalized Polya process repairable products under free-repair warranty. <i>European Journal of Operational Research</i> , <b>2019</b> , 279, 68-78	5.6	16
62	. <i>IEEE Transactions on Reliability</i> , <b>2010</b> , 59, 374-382	4.6	16
61	Stationary Distributions of GI/M/c Queue with PH Type Vacations. <i>Queueing Systems</i> , <b>2003</b> , 44, 183-202	1.7	16
60	A note on a two variable block replacement policy for a system subject to non-homogeneous pure birth shocks. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 3703-3712	4.5	15
59	Potential energy conservation and CO2 emissions reduction related to China's road transportation. <i>Journal of Cleaner Production</i> , <b>2020</b> , 245, 118892	10.3	15
58	Optimal replacement policy for a deteriorating system with increasing repair times. <i>Applied Mathematical Modelling</i> , <b>2013</b> , 37, 9768-9775	4.5	14
57	Optimal Number of Repairs Before Replacement for a System Subject to Shocks of a Non-Homogeneous Pure Birth Process. <i>IEEE Transactions on Reliability</i> , <b>2013</b> , 62, 73-81	4.6	14
56	Extended preventive replacement policy for a two-unit system subject to damage shocks. <i>International Journal of Production Research</i> , <b>2015</b> , 53, 4614-4628	7.8	13
55	Age replacement policy with lead-time for a system subject to non-homogeneous pure birth shocks. <i>Applied Mathematical Modelling</i> , <b>2013</b> , 37, 7717-7725	4.5	13
54	Strategic behavior and social optimization in a double-ended queue with gated policy. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 114, 264-273	6.4	13
53	A trivariate optimal replacement policy for a deteriorating system based on cumulative damage and inspections. <i>Reliability Engineering and System Safety</i> , <b>2017</b> , 160, 74-88	6.3	11
52	Strategic joining in an M/M/1 queue with risk-sensitive customers. <i>Journal of the Operational Research Society</i> , <b>2018</b> , 69, 1197-1214	2	11
51	. <i>IEEE Transactions on Reliability</i> , <b>2015</b> , 64, 998-1014	4.6	10
50	Strategic joining in an M/M/K queue with asynchronous and synchronous multiple vacations. <i>Journal of the Operational Research Society</i> , <b>2021</b> , 72, 161-179	2	10
49	Lifetime properties of a cumulative shock model with a cluster structure. <i>Annals of Operations Research</i> , <b>2014</b> , 212, 21-41	3.2	8
48	A Block Replacement Policy for Systems Subject to Non-homogeneous Pure Birth Shocks. <i>IEEE Transactions on Reliability</i> , <b>2012</b> , 61, 741-748	4.6	8
47	On the Three Threshold Policy in the Multi-Server Queueing System with Vacations. <i>Queueing Systems</i> , <b>2005</b> , 51, 173-186	1.7	8
46	Extended optimal replacement policy for a system subject to non-homogeneous pure birth shocks. <i>Computers and Industrial Engineering</i> , <b>2013</b> , 64, 573-579	6.4	7

45	Equilibrium Mixed Strategies in a Discrete-Time Markovian Queue Under Multiple and Single Vacation Policies. <i>Quality Technology and Quantitative Management</i> , <b>2015</b> , 12, 369-382	1.9	7
44	Analysis of a hybrid warranty policy for discrete-time operating products. <i>IIE Transactions</i> , <b>2015</b> , 47, 442-459		7
43	Cost evaluation in M/G/1 queue with T-policy revisited, technical note. <i>European Journal of Operational Research</i> , <b>2011</b> , 214, 814-817	5.6	7
42	Optimum replacement policy for cumulative damage models based on multi-attributes. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 139, 106206	6.4	7
41	Optimization issues in k-out-of-n systems. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 73, 563-580	4.5	6
40	Equilibrium in vacation queueing system with complementary services. <i>Quality Technology and Quantitative Management</i> , <b>2017</b> , 14, 114-127	1.9	6
39	An algorithmic analysis of multi-server vacation model with service interruptions. <i>Computers and Industrial Engineering</i> , <b>2011</b> , 61, 1302-1308	6.4	6
38	A generalized age-dependent minimal repair with random working times. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 156, 107248	6.4	6
37	On two-tier healthcare system under capacity constraint. <i>International Journal of Production Research</i> , <b>2020</b> , 58, 3744-3764	7.8	6
36	Optimal two-threshold replacement policy in a cumulative damage model. <i>Annals of Operations Research</i> , <b>2016</b> , 244, 23-47	3.2	5
35	A Note On GI/M/1 Queues With Phase-Type Setup Times Or Server Vacations. <i>Infor</i> , <b>2003</b> , 41, 341-351	0.5	5
34	Optimal periodic preventive maintenance policy for a system subject to failures/repairs which follow the non-homogeneous pure birth process. <i>Quality Technology and Quantitative Management</i> , <b>2020</b> , 1-13	1.9	4
33	Organizational learning: Approximation of multiple-level learning and forgetting by an aggregated single-level model. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 131, 442-454	6.4	4
32	Analysis of price competition in two-tier service systems. <i>Journal of the Operational Research Society</i> , <b>2019</b> , 70, 1938-1950	2	4
31	Generalized multi-parameter preventive replacement policy for systems with random processing times. <i>Infor</i> , <b>2019</b> , 57, 187-203	0.5	3
30	Optimal replacement policies for a system based on a one-cycle criterion. <i>Reliability Engineering and System Safety</i> , <b>2019</b> , 191, 106527	6.3	3
29	Rationality of Natural Gas Prices and the Determining Factors in China. <i>Emerging Markets Finance and Trade</i> , <b>2019</b> , 55, 1229-1246	3.5	3
28	Improving Operational Efficiency for a Two-Way Highway Toll Station. <i>Quality Technology and Quantitative Management</i> , <b>2015</b> , 12, 355-368	1.9	3

27	A Note on a Multi-server Queue with Vacations of Multiple Groups of Servers. <i>Quality Technology and Quantitative Management</i> , <b>2013</b> , 10, 513-525	1.9	3
26	On the convexity of the two-threshold policy for an M/G/1 queue with vacations. <i>Operations Research Letters</i> , <b>2006</b> , 34, 473-476	1	3
25	Optimal replacement policy with replacement last under cumulative damage models. <i>Reliability Engineering and System Safety</i> , <b>2021</b> , 209, 107445	6.3	3
24	MMPP/M/C queue with congestion-based staffing policy and applications in operations of steel industry. <i>Journal of Iron and Steel Research International</i> , <b>2019</b> , 26, 659-668	1.2	3
23	Information and pricing effects in two-tier public service systems. <i>International Journal of Production Economics</i> , <b>2021</b> , 231, 107897	9.3	3
22	On Downs-Thomson paradox in two-tier service systems with a fast pass and revenue-based capacity investment. <i>Journal of the Operational Research Society</i> , <b>2019</b> , 70, 1951-1964	2	2
21	On retrial queue with customer balking and feedback subject to server breakdowns. <i>Communications in Statistics - Theory and Methods</i> , <b>2020</b> , 1-17	0.5	2
20	Quantifying the performance effects of idle time utilization in multiserver systems. <i>Naval Research Logistics</i> , <b>2007</b> , 54, 189-199	1.5	2
19	A c/ERule for Job Assignment in Heterogeneous Group-Server Queues. <i>Production and Operations Management</i> ,	3.6	2
18	M/PH/C queue under a congestion-based staffing policy with applications in steel industry operations. <i>International Journal of Production Research</i> , <b>2021</b> , 59, 1319-1330	7.8	2
17	Simulation optimization in security screening systems subject to budget and waiting time constraints. <i>Naval Research Logistics</i> , <b>2021</b> , 68, 920-936	1.5	2
16	Analysis of Freemium Business Model Considering Network Externalities and Consumer Uncertainty. <i>Journal of Systems Science and Systems Engineering</i> , <b>2018</b> , 27, 78-105	1.2	1
15	Analysis of online dual-channel supply chain based on service level of logistics and national advertising. <i>Quality Technology and Quantitative Management</i> , <b>2016</b> , 13, 473-490	1.9	1
14	A note on workload control for an under-utilized server of M/G/1 system. <i>Computers and Industrial Engineering</i> , <b>2009</b> , 56, 28-32	6.4	1
13	Improving the Performance of MMPP/M/C Queue by Convex Optimization: A Real-World Application in Iron and Steel Industry. <i>IEEE Access</i> , <b>2020</b> , 8, 185909-185918	3.5	1
12	Effects of diurnal temperature range on cardiovascular disease hospital admissions in farmers in China's Western suburbs. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 64693-64705	5.1	1
11	Applications of Vacation Models. <i>Profiles in Operations Research</i> , <b>2006</b> , 343-358	1	1
10	Efficiency-quality trade-off in allocating resource to public healthcare systems. <i>International Journal of Production Research</i> , 1-22	7.8	0

9	Designing a Sustainable Two-Tier Service System with Customer's Asymmetric Preference for Servers. <i>Production and Operations Management</i> , <b>2021</b> , 30, 3856	3.6	0
8	A possible optimal design of one-way Hamming network $H(n, 3)$ based on the minimum transmission latency. <i>Journal of Combinatorial Optimization</i> , <b>2019</b> , 37, 921-934	0.9	0
7	Short-term effects of main air pollutants exposure on LOS and costs of CVD hospital admissions from 30,959 cases among suburban farmers in Pingliang, Northwest China.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
6	General-Input Multiserver Vacation Models. <i>Profiles in Operations Research</i> , <b>2006</b> , 269-296	1	
5	Markovian Multiserver Vacation Models. <i>Profiles in Operations Research</i> , <b>2006</b> , 193-267	1	
4	M/G/1 Type Vacation Models: Exhaustive Service. <i>Profiles in Operations Research</i> , <b>2006</b> , 9-75	1	
3	General-Input Single Server Vacation Models. <i>Profiles in Operations Research</i> , <b>2006</b> , 129-192	1	
2	Optimization in Vacation Models. <i>Profiles in Operations Research</i> , <b>2006</b> , 297-342	1	
1	ON MARKOVIAN QUEUES WITH SINGLE WORKING VACATION AND BERNOULLI INTERRUPTIONS. <i>Probability in the Engineering and Informational Sciences</i> ,1-28	0.6	