

Peter G Taylor

List of Publications by Year in Descending Order

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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.

136
papers

2,133
citations

25
h-index

41
g-index

142
ext. papers

2,414
ext. citations

1.8
avg, IF

4.95
L-index

#	Paper	IF	Citations
136	Optimal market thickness. <i>Journal of Economic Theory</i> , 2022 , 200, 105383	1.4	0
135	Resource competition in virtual network embedding. <i>Stochastic Models</i> , 2021 , 37, 231-263	0.5	
134	Safe Blues: The case for virtual safe virus spread in the long-term fight against epidemics. <i>Patterns</i> , 2021 , 2, 100220	5.1	0
133	Strategic customer behavior in an M/M/1 feedback queue. <i>Queueing Systems</i> , 2021 , 97, 223-259	1.7	0
132	Antibody Dynamics for Plasmodium vivax Malaria: A Mathematical Model. <i>Bulletin of Mathematical Biology</i> , 2021 , 83, 6	2.1	3
131	A survey of parameter and state estimation in queues. <i>Queueing Systems</i> , 2021 , 97, 39-80	1.7	6
130	A paradox for expected hitting times. <i>Stochastic Models</i> , 2020 , 36, 365-377	0.5	
129	An Activation-Clearance Model for Plasmodium vivax Malaria. <i>Bulletin of Mathematical Biology</i> , 2020 , 82, 32	2.1	3
128	Modeling and analysis of block arrival times in the Bitcoin blockchain. <i>Stochastic Models</i> , 2020 , 36, 602-637	3.5	3
127	Networks of interacting stochastic fluid models with infinite and finite buffers. <i>Queueing Systems</i> , 2019 , 92, 293-322	1.7	2
126	The time-dependent expected reward and deviation matrix of a finite QBD process. <i>Linear Algebra and Its Applications</i> , 2019 , 570, 61-92	0.9	2
125	Towards Q-learning the Whittle Index for Restless Bandits 2019 ,		2
124	THE VALUE OF COMMUNICATION AND COOPERATION WHEN SERVERS ARE STRATEGIC. <i>ANZIAM Journal</i> , 2019 , 61, 349-367	0.5	
123	Bounds for the solution to the single-period inventory model with compound renewal process input: An application to setting credit card limits. <i>European Journal of Operational Research</i> , 2019 , 274, 1012-1018	5.6	2
122	A lightning-caused wildfire ignition forecasting model for operational use. <i>Agricultural and Forest Meteorology</i> , 2018 , 253-254, 233-246	5.8	9
121	A sequential stochastic mixed integer programming model for tactical master surgery scheduling. <i>European Journal of Operational Research</i> , 2018 , 270, 734-746	5.6	19
120	Why is Kemeny's constant a constant?. <i>Journal of Applied Probability</i> , 2018 , 55, 1025-1036	0.8	8

119	A general non-central hypergeometric distribution. <i>Communications in Statistics - Theory and Methods</i> , 2017 , 46, 4579-4598	0.5	3
118	How old is this bird? The age distribution under some phase sampling schemes. <i>Journal of Mathematical Biology</i> , 2017 , 75, 1319-1347	2	1
117	The spatial distribution of rainfall extremes and the influence of El Niño Southern Oscillation. <i>Weather and Climate Extremes</i> , 2017 , 18, 17-28	6	11
116	Nonlinear Accumulating Priority Queues with Equivalent Linear Proxies. <i>Operations Research</i> , 2017 , 65, 1712-1721	2.3	9
115	The Markov-modulated Erlang loss system. <i>Performance Evaluation</i> , 2017 , 116, 53-69	1.2	2
114	Modelling modal gating of ion channels with hierarchical Markov models. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016 , 472, 20160122	2.4	6
113	Bitcoin blockchain dynamics: The selfish-mine strategy in the presence of propagation delay. <i>Performance Evaluation</i> , 2016 , 104, 23-41	1.2	124
112	THE RUNNING MAXIMUM OF A LEVEL-DEPENDENT QUASI-BIRTH-DEATH PROCESS. <i>Probability in the Engineering and Informational Sciences</i> , 2016 , 30, 212-223	0.6	2
111	Queues with advanced reservations: an infinite-server proxy for the bookings diary. <i>Advances in Applied Probability</i> , 2016 , 48, 13-31	0.7	2
110	The roles of coupling and the deviation matrix in determining the value of capacity in M/M/1/C queues. <i>Queueing Systems</i> , 2016 , 83, 157-179	1.7	2
109	Discussion on On the Laplace Transform of the Aggregate Discounted Claims with Markovian Arrivals, by Jiandong Ren, Volume 12(2). <i>North American Actuarial Journal</i> , 2015 , 19, 73-77	0.7	1
108	A queueing model for the capacity planning of a multi-phase human services process. <i>International Journal of Systems Science: Operations and Logistics</i> , 2015 , 2, 156-167	2.6	
107	The intercept term of the asymptotic variance curve for some queueing output processes. <i>European Journal of Operational Research</i> , 2015 , 242, 455-464	5.6	6
106	A multi-class multi-server accumulating priority queue with application to health care. <i>Operations Research for Health Care</i> , 2014 , 3, 73-79	1.8	25
105	Renfrey Burnard Potts 1925-2005. <i>Historical Records of Australian Science</i> , 2014 , 25, 291	0.2	
104	Waiting time distributions in the accumulating priority queue. <i>Queueing Systems</i> , 2014 , 77, 297-330	1.7	52
103	Level-phase independent stationary distributions for GI/M/1-type Markov chains with infinitely-many phases. <i>Performance Evaluation</i> , 2013 , 70, 551-563	1.2	5
102	Incorporating uncertainty of management costs in sensitivity analyses of matrix population models. <i>Conservation Biology</i> , 2013 , 27, 134-44	6	9

101	Collective retention and transmission of chemical signals in a social insect. <i>Die Naturwissenschaften</i> , 2012 , 99, 245-8	2	9
100	Random Transmission Radii in Greedy Routing Models for Ad Hoc Sensor Networks. <i>SIAM Journal on Applied Mathematics</i> , 2012 , 72, 535-557	1.8	4
99	Procrustes based metrics for spatial validation and calibration of two-dimensional perimeter spread models: A case study considering fire. <i>Agricultural and Forest Meteorology</i> , 2012 , 160, 110-117	5.8	13
98	How do we encourage an egoist to act socially in an ad hoc mobile network?. <i>Computer Networks</i> , 2012 , 56, 3499-3510	5.4	1
97	A model framework for greedy routing in a sensor network with a stochastic power scheme. <i>ACM Transactions on Sensor Networks</i> , 2011 , 7, 1-28	2.9	9
96	Decay rates for some quasi-birth-and-death processes with phase-dependent transition rates. <i>Journal of Applied Probability</i> , 2011 , 48, 327-339	0.8	1
95	Queues with boundary assistance: the effects of truncation. <i>Queueing Systems</i> , 2011 , 69, 175-197	1.7	9
94	Comments on: Light tail asymptotics in multidimensional reflecting processes for queueing networks. <i>Top</i> , 2011 , 19, 306-308	1.3	
93	Decay rates for some quasi-birth-and-death processes with phase-dependent transition rates. <i>Journal of Applied Probability</i> , 2011 , 48, 327-339	0.8	1
92	Proof of the Hamiltonicity-Trace Conjecture for Singularly Perturbed Markov Chains. <i>Journal of Applied Probability</i> , 2011 , 48, 901-910	0.8	1
91	Insensitivity in Stochastic Models. <i>Profiles in Operations Research</i> , 2011 , 121-140	1	8
90	On the Dual Relationship Between Markov Chains of GI/M/1 and M/G/1 Type. <i>Advances in Applied Probability</i> , 2010 , 42, 210-225	0.7	5
89	Myths of ideal hospital occupancy. <i>Medical Journal of Australia</i> , 2010 , 192, 42-3	4	37
88	A Stochastic Analysis of a Greedy Routing Scheme in Sensor Networks. <i>SIAM Journal on Applied Mathematics</i> , 2010 , 70, 2214-2238	1.8	10
87	A distributed approach to capacity allocation in logical networks. <i>European Journal of Operational Research</i> , 2010 , 203, 737-748	5.6	4
86	On the Dual Relationship Between Markov Chains of GI/M/1 and M/G/1 Type. <i>Advances in Applied Probability</i> , 2010 , 42, 210-225	0.7	8
85	The Algebraic Degree of Phase-Type Distributions. <i>Journal of Applied Probability</i> , 2010 , 47, 611-629	0.8	2
84	Rejoinder: Citation Statistics. <i>Statistical Science</i> , 2009 , 24,	2.4	7

83	HITTING PROBABILITIES AND HITTING TIMES FOR STOCHASTIC FLUID FLOWS: THE BOUNDED MODEL. <i>Probability in the Engineering and Informational Sciences</i> , 2009 , 23, 121-147	0.6	25
82	A stochastic fluid model for an ad hoc mobile network. <i>Queueing Systems</i> , 2009 , 63, 109-129	1.7	25
81	Citation Statistics. <i>Statistical Science</i> , 2009 , 24,	2.4	172
80	A Distributed Scheme for Value-Based Bandwidth Reconfiguration. <i>Lecture Notes in Computer Science</i> , 2009 , 16-35	0.9	
79	. <i>IEEE Transactions on Multimedia</i> , 2008 , 10, 153-159	6.6	18
78	Combination Load Balancing for Video-on-Demand Systems. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 937-948	6.4	4
77	Characterization of Matrix-Exponential Distributions. <i>Stochastic Models</i> , 2008 , 24, 339-363	0.5	17
76	Corrigendum to "The distribution of the number of arrivals in a subinterval of a busy period of a single server queue" <i>Queueing Systems</i> , 2008 , 59, 87-93	1.7	1
75	Algorithms for the Laplace-Stieltjes Transforms of First Return Times for Stochastic Fluid Flows. <i>Methodology and Computing in Applied Probability</i> , 2008 , 10, 381-408	0.6	35
74	Markovian trees: properties and algorithms. <i>Annals of Operations Research</i> , 2008 , 160, 31-50	3.2	28
73	Evolutionary Optimization of File Assignment for a Large-Scale Video-on-Demand System. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 836-850	4.2	9
72	A COMMENT ON TWO-PHASE BEHAVIOR OF FINANCIAL MARKETS. <i>International Journal of Theoretical and Applied Finance</i> , 2007 , 10, 89-93	0.5	2
71	Predicting overflow in an emergency department. <i>IMA Journal of Management Mathematics</i> , 2007 , 20, 39-49	1.4	19
70	Decay rates for quasi-birth-and-death processes with countably many phases and tridiagonal block generators. <i>Advances in Applied Probability</i> , 2006 , 38, 522-544	0.7	15
69	The distribution of the number of arrivals in a subinterval of a busy period of a single server queue. <i>Queueing Systems</i> , 2006 , 53, 105-114	1.7	5
68	A Markov analysis of social learning and adaptation. <i>Journal of Evolutionary Economics</i> , 2006 , 16, 299-319	1.9	6
67	Decay rates for quasi-birth-and-death processes with countably many phases and tridiagonal block generators. <i>Advances in Applied Probability</i> , 2006 , 38, 522-544	0.7	14
66	Some Properties of the Capacity Value Function. <i>SIAM Journal on Applied Mathematics</i> , 2005 , 65, 1407-1419	1.9	4

65	ALGORITHMS FOR RETURN PROBABILITIES FOR STOCHASTIC FLUID FLOWS. <i>Stochastic Models</i> , 2005 , 21, 149-184	0.5	58
64	Hitting probabilities and hitting times for stochastic fluid flows. <i>Stochastic Processes and Their Applications</i> , 2005 , 115, 1530-1556	1.1	59
63	Two Issues Surrounding Parrondo's Paradox 2005 , 599-609		6
62	A two-time-scale model for hospital patient flow. <i>IMA Journal of Management Mathematics</i> , 2005 , 16, 197-215	1.4	23
61	Spectral properties of the tandem Jackson network, seen as a quasi-birth-and-death process. <i>Annals of Applied Probability</i> , 2004 , 14, 2057	2	49
60	Cost-Effective Deployment of Bandwidth Partitioning in Broadband Networks. <i>Telecommunication Systems</i> , 2004 , 25, 33-49	2.3	2
59	Dynamic reallocation of capacity in logically fully-connected networks. <i>International Journal of Network Management</i> , 2004 , 14, 9-18	1.8	1
58	Drift Conditions for Matrix-Analytic Models. <i>Mathematics of Operations Research</i> , 2003 , 28, 346-360	1.5	11
57	Transient Markov arrival processes. <i>Annals of Applied Probability</i> , 2003 , 13,	2	19
56	Truncation and augmentation of level-independent QBD processes. <i>Stochastic Processes and Their Applications</i> , 2002 , 99, 53-80	1.1	17
55	WHAT IS A UNIT OF CAPACITY WORTH?. <i>Probability in the Engineering and Informational Sciences</i> , 2002 , 16, 513-522	0.6	10
54	State-dependent Coupling of Quasireversible Nodes 2001 , 37, 163-197		4
53	State-Dependent Coupling in General Networks. <i>Queueing Systems</i> , 2001 , 39, 337-348	1.7	1
52	Brownian ratchets and Parrondo's games. <i>Chaos</i> , 2001 , 11, 705-714	3.3	78
51	Level phase independence for GI/M/1-type Markov chains. <i>Journal of Applied Probability</i> , 2000 , 37, 984-998		7
50	Maximal profit dimensioning and tariffing of loss networks with cross-connects. <i>Mathematical and Computer Modelling</i> , 2000 , 31, 21-30		
49	Quasi-reversibility and networks of queues with nonstandard batch movements. <i>Mathematical and Computer Modelling</i> , 2000 , 31, 335-341		2
48	Information entropy and parrondo's discrete-time ratchet. <i>AIP Conference Proceedings</i> , 2000 ,	0	8

47	Parrondo's paradoxical games and the discrete Brownian ratchet. <i>AIP Conference Proceedings</i> , 2000 , 0	7
46	Level phase independence for GI/M/1-type Markov chains. <i>Journal of Applied Probability</i> , 2000 , 37, 984-988	5
45	Quasistationary distributions for level-dependent quasi-birth-and-death processes. <i>Stochastic Models</i> , 2000 , 16, 511-541	16
44	The paradox of Parrondo's games. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2000 , 456, 247-259	2.4 50
43	The quasistationary distributions of level-independent quasi-birth-and-death processes. <i>Stochastic Models</i> , 1998 , 14, 389-406	5
42	Invariant measures for quasi-birth-and-death processes. <i>Stochastic Models</i> , 1998 , 14, 443-460	19
41	On the Inverse of Erlang's Function. <i>Journal of Applied Probability</i> , 1998 , 35, 246-252	0.8 6
40	The output process of an MMPP/M/1 queue. <i>Journal of Applied Probability</i> , 1998 , 35, 998-1002	0.8 7
39	Strong Stochastic Bounds for the Stationary Distribution of a Class of Multicomponent Performability Models. <i>Operations Research</i> , 1998 , 46, 665-674	2.3 10
38	The output process of an MMPP/M/1 queue. <i>Journal of Applied Probability</i> , 1998 , 35, 998-1002	0.8 4
37	On the Inverse of Erlang's Function. <i>Journal of Applied Probability</i> , 1998 , 35, 246-252	0.8 14
36	A correspondence between product-form batch-movement queueing networks and single-movement networks. <i>Journal of Applied Probability</i> , 1997 , 34, 160-175	0.8 3
35	Braess's paradox in a loss network. <i>Journal of Applied Probability</i> , 1997 , 34, 155-159	0.8 5
34	A Geometric Product-Form Distribution for a Queueing Network by Non-Standard Batch Arrivals and Batch Transfers. <i>Advances in Applied Probability</i> , 1997 , 29, 523-544	0.7 26
33	A product-form loss network' with a form of queueing. <i>Journal of Applied Probability</i> , 1997 , 34, 1075-1078	4
32	A product-form loss network' with a form of queueing. <i>Journal of Applied Probability</i> , 1997 , 34, 1075-1078	2
31	A Geometric Product-Form Distribution for a Queueing Network by Non-Standard Batch Arrivals and Batch Transfers. <i>Advances in Applied Probability</i> , 1997 , 29, 523-544	0.7 15
30	A correspondence between product-form batch-movement queueing networks and single-movement networks. <i>Journal of Applied Probability</i> , 1997 , 34, 160-175	0.8 4

29	The quasi-stationary behavior of quasi-birth-and-death processes. <i>Annals of Applied Probability</i> , 1997 , 7,	2	23
28	Product form equilibrium distributions and a convolution algorithm for stochastic Petri nets. <i>Performance Evaluation</i> , 1996 , 26, 159-180	1.2	29
27	Some properties of the rate perators in level dependent uasi-birth-and-death processes with countable number of phases. <i>Stochastic Models</i> , 1996 , 12, 143-164		63
26	An operator analytic approach to product-farm networks. <i>Stochastic Models</i> , 1996 , 12, 121-142		12
25	Mean-value analysis for a class of Petri nets and batch-movement queueing networks with product-form equilibrium distributions. <i>Mathematical and Computer Modelling</i> , 1995 , 22, 27-34		4
24	Triggered batch movement in queueing networks. <i>Queueing Systems</i> , 1995 , 21, 125-141	1.7	9
23	Maximal Profit Dimensioning and Tariffing of Loss Networks. <i>Probability in the Engineering and Informational Sciences</i> , 1995 , 9, 323-340	0.6	6
22	Calculating the equilibrium distribution in level dependent quasi-birth-and-death processes. <i>Stochastic Models</i> , 1995 , 11, 497-525		171
21	Modeling Handovers in Cellular Mobile Networks with Dynamic Channel Allocation. <i>Operations Research</i> , 1995 , 43, 33-42	2.3	29
20	. <i>IEEE Transactions on Communications</i> , 1994 , 42, 1106-1111	6.9	4
19	Approximation of performance measures in cellular mobile networks with dynamic channel allocation. <i>Telecommunication Systems</i> , 1994 , 3, 129-163	2.3	12
18	A general formulation for mean-value analysis in product-form batch-movement queueing networks. <i>Queueing Systems</i> , 1994 , 16, 363-372	1.7	7
17	Geometric equilibrium distributions for queues with interactive batch departures. <i>Annals of Operations Research</i> , 1994 , 48, 493-511	3.2	27
16	State-dependent signalling in queueing networks. <i>Advances in Applied Probability</i> , 1994 , 26, 436-455	0.7	22
15	On the Problem of Establishing the Existence of Stationary Distributions for Continuous-Time Markov Chains. <i>Probability in the Engineering and Informational Sciences</i> , 1993 , 7, 529-543	0.6	16
14	Transient product from distributions in queueing networks. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 1993 , 3, 375-396	1	13
13	Reduced load approximations for loss networks. <i>Telecommunication Systems</i> , 1993 , 2, 21-50	2.3	8
12	An error bound for a continuous time approximation of discrete time servicing. <i>Stochastic Models</i> , 1992 , 8, 651-664		1

11	Connecting internally balanced quasi-reversible Markov processes. <i>Advances in Applied Probability</i> , 1992 , 24, 934-959	0.7	7
10	Connecting internally balanced quasi-reversible Markov processes. <i>Advances in Applied Probability</i> , 1992 , 24, 934-959	0.7	4
9	Algebraic criteria for extended product form in generalised semi-Markov processes. <i>Stochastic Processes and Their Applications</i> , 1992 , 42, 269-282	1.1	2
8	Insensitivity in discrete time queues with a moving server. <i>Queueing Systems</i> , 1992 , 11, 273-297	1.7	4
7	Some new results on queueing networks with batch movement. <i>Journal of Applied Probability</i> , 1991 , 28, 409-421	0.8	33
6	. <i>IEEE Transactions on Software Engineering</i> , 1991 , 17, 108-116	3.5	39
5	Closed queueing networks with batch services. <i>Queueing Systems</i> , 1990 , 6, 59-70	1.7	52
4	Product form in networks of queues with batch arrivals and batch services. <i>Queueing Systems</i> , 1990 , 6, 71-87	1.7	79
3	A net level performance analysis of stochastic Petri nets 1989 , 31, 176-187		49
2	A Restless Bandit Model for Resource Allocation, Competition, and Reservation. <i>Operations Research</i> ,	2.3	4
1	Spatial queues with a moving server. <i>Queueing Systems</i> ,1	1.7	