

# Peter G Taylor

## List of Publications by Citations

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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	Citation Statistics. <i>Statistical Science</i> , <b>2009</b> , 24,	2.4	172
135	Calculating the equilibrium distribution in level dependent quasi-birth-and-death processes. <i>Stochastic Models</i> , <b>1995</b> , 11, 497-525		171
134	Bitcoin blockchain dynamics: The selfish-mine strategy in the presence of propagation delay. <i>Performance Evaluation</i> , <b>2016</b> , 104, 23-41	1.2	124
133	Product form in networks of queues with batch arrivals and batch services. <i>Queueing Systems</i> , <b>1990</b> , 6, 71-87	1.7	79
132	Brownian ratchets and Parrondo's games. <i>Chaos</i> , <b>2001</b> , 11, 705-714	3.3	78
131	Some properties of the rate perators in level dependent uasi-birth-and-death processes with countable number of phases. <i>Stochastic Models</i> , <b>1996</b> , 12, 143-164		63
130	Hitting probabilities and hitting times for stochastic fluid flows. <i>Stochastic Processes and Their Applications</i> , <b>2005</b> , 115, 1530-1556	1.1	59
129	ALGORITHMS FOR RETURN PROBABILITIES FOR STOCHASTIC FLUID FLOWS. <i>Stochastic Models</i> , <b>2005</b> , 21, 149-184	0.5	58
128	Waiting time distributions in the accumulating priority queue. <i>Queueing Systems</i> , <b>2014</b> , 77, 297-330	1.7	52
127	Closed queueing networks with batch services. <i>Queueing Systems</i> , <b>1990</b> , 6, 59-70	1.7	52
126	The paradox of Parrondo's games. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2000</b> , 456, 247-259	2.4	50
125	Spectral properties of the tandem Jackson network, seen as a quasi-birth-and-death process. <i>Annals of Applied Probability</i> , <b>2004</b> , 14, 2057	2	49
124	A net level performance analysis of stochastic Petri nets <b>1989</b> , 31, 176-187		49
123	. <i>IEEE Transactions on Software Engineering</i> , <b>1991</b> , 17, 108-116	3.5	39
122	Myths of ideal hospital occupancy. <i>Medical Journal of Australia</i> , <b>2010</b> , 192, 42-3	4	37
121	Algorithms for the LaplaceStieltjes Transforms of First Return Times for Stochastic Fluid Flows. <i>Methodology and Computing in Applied Probability</i> , <b>2008</b> , 10, 381-408	0.6	35
120	Some new results on queueing networks with batch movement. <i>Journal of Applied Probability</i> , <b>1991</b> , 28, 409-421	0.8	33

119	Product form equilibrium distributions and a convolution algorithm for stochastic Petri nets. <i>Performance Evaluation</i> , <b>1996</b> , 26, 159-180	1.2	29
118	Modeling Handovers in Cellular Mobile Networks with Dynamic Channel Allocation. <i>Operations Research</i> , <b>1995</b> , 43, 33-42	2.3	29
117	Markovian trees: properties and algorithms. <i>Annals of Operations Research</i> , <b>2008</b> , 160, 31-50	3.2	28
116	Geometric equilibrium distributions for queues with interactive batch departures. <i>Annals of Operations Research</i> , <b>1994</b> , 48, 493-511	3.2	27
115	A Geometric Product-Form Distribution for a Queueing Network by Non-Standard Batch Arrivals and Batch Transfers. <i>Advances in Applied Probability</i> , <b>1997</b> , 29, 523-544	0.7	26
114	A multi-class multi-server accumulating priority queue with application to health care. <i>Operations Research for Health Care</i> , <b>2014</b> , 3, 73-79	1.8	25
113	HITTING PROBABILITIES AND HITTING TIMES FOR STOCHASTIC FLUID FLOWS: THE BOUNDED MODEL. <i>Probability in the Engineering and Informational Sciences</i> , <b>2009</b> , 23, 121-147	0.6	25
112	A stochastic fluid model for an ad hoc mobile network. <i>Queueing Systems</i> , <b>2009</b> , 63, 109-129	1.7	25
111	A two-time-scale model for hospital patient flow. <i>IMA Journal of Management Mathematics</i> , <b>2005</b> , 16, 197-215	1.4	23
110	The quasi-stationary behavior of quasi-birth-and-death processes. <i>Annals of Applied Probability</i> , <b>1997</b> , 7,	2	23
109	State-dependent signalling in queueing networks. <i>Advances in Applied Probability</i> , <b>1994</b> , 26, 436-455	0.7	22
108	A sequential stochastic mixed integer programming model for tactical master surgery scheduling. <i>European Journal of Operational Research</i> , <b>2018</b> , 270, 734-746	5.6	19
107	Predicting overflow in an emergency department. <i>IMA Journal of Management Mathematics</i> , <b>2007</b> , 20, 39-49	1.4	19
106	Invariant measures for quasi-birth-and-death processes. <i>Stochastic Models</i> , <b>1998</b> , 14, 443-460		19
105	Transient Markov arrival processes. <i>Annals of Applied Probability</i> , <b>2003</b> , 13,	2	19
104	. <i>IEEE Transactions on Multimedia</i> , <b>2008</b> , 10, 153-159	6.6	18
103	Characterization of Matrix-Exponential Distributions. <i>Stochastic Models</i> , <b>2008</b> , 24, 339-363	0.5	17
102	Truncation and augmentation of level-independent QBD processes. <i>Stochastic Processes and Their Applications</i> , <b>2002</b> , 99, 53-80	1.1	17

101	Quasistationary distributions for level-dependent quasi-birth-and-death processes. <i>Stochastic Models</i> , <b>2000</b> , 16, 511-541		16
100	On the Problem of Establishing the Existence of Stationary Distributions for Continuous-Time Markov Chains. <i>Probability in the Engineering and Informational Sciences</i> , <b>1993</b> , 7, 529-543	0.6	16
99	A Geometric Product-Form Distribution for a Queueing Network by Non-Standard Batch Arrivals and Batch Transfers. <i>Advances in Applied Probability</i> , <b>1997</b> , 29, 523-544	0.7	15
98	Decay rates for quasi-birth-and-death processes with countably many phases and tridiagonal block generators. <i>Advances in Applied Probability</i> , <b>2006</b> , 38, 522-544	0.7	15
97	Decay rates for quasi-birth-and-death processes with countably many phases and tridiagonal block generators. <i>Advances in Applied Probability</i> , <b>2006</b> , 38, 522-544	0.7	14
96	On the Inverse of Erlang's Function. <i>Journal of Applied Probability</i> , <b>1998</b> , 35, 246-252	0.8	14
95	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> , <b>2012</b> , 160, 110-117	5.8	13
94	Transient product from distributions in queueing networks. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , <b>1993</b> , 3, 375-396	1	13
93	An operator analytic approach to product-farm networks. <i>Stochastic Models</i> , <b>1996</b> , 12, 121-142		12
92	Approximation of performance measures in cellular mobile networks with dynamic channel allocation. <i>Telecommunication Systems</i> , <b>1994</b> , 3, 129-163	2.3	12
91	The spatial distribution of rainfall extremes and the influence of El Niño Southern Oscillation. <i>Weather and Climate Extremes</i> , <b>2017</b> , 18, 17-28	6	11
90	Drift Conditions for Matrix-Analytic Models. <i>Mathematics of Operations Research</i> , <b>2003</b> , 28, 346-360	1.5	11
89	A Stochastic Analysis of a Greedy Routing Scheme in Sensor Networks. <i>SIAM Journal on Applied Mathematics</i> , <b>2010</b> , 70, 2214-2238	1.8	10
88	WHAT IS A UNIT OF CAPACITY WORTH?. <i>Probability in the Engineering and Informational Sciences</i> , <b>2002</b> , 16, 513-522	0.6	10
87	Strong Stochastic Bounds for the Stationary Distribution of a Class of Multicomponent Performability Models. <i>Operations Research</i> , <b>1998</b> , 46, 665-674	2.3	10
86	A lightning-caused wildfire ignition forecasting model for operational use. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 253-254, 233-246	5.8	9
85	Collective retention and transmission of chemical signals in a social insect. <i>Die Naturwissenschaften</i> , <b>2012</b> , 99, 245-8	2	9
84	Incorporating uncertainty of management costs in sensitivity analyses of matrix population models. <i>Conservation Biology</i> , <b>2013</b> , 27, 134-44	6	9

83	Nonlinear Accumulating Priority Queues with Equivalent Linear Proxies. <i>Operations Research</i> , <b>2017</b> , 65, 1712-1721	2.3	9
82	A model framework for greedy routing in a sensor network with a stochastic power scheme. <i>ACM Transactions on Sensor Networks</i> , <b>2011</b> , 7, 1-28	2.9	9
81	Queues with boundary assistance: the effects of truncation. <i>Queueing Systems</i> , <b>2011</b> , 69, 175-197	1.7	9
80	Triggered batch movement in queueing networks. <i>Queueing Systems</i> , <b>1995</b> , 21, 125-141	1.7	9
79	Evolutionary Optimization of File Assignment for a Large-Scale Video-on-Demand System. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2008</b> , 20, 836-850	4.2	9
78	Information entropy and parrondo's discrete-time ratchet. <i>AIP Conference Proceedings</i> , <b>2000</b> ,	0	8
77	Reduced load approximations for loss networks. <i>Telecommunication Systems</i> , <b>1993</b> , 2, 21-50	2.3	8
76	On the Dual Relationship Between Markov Chains of GI/M/1 and M/G/1 Type. <i>Advances in Applied Probability</i> , <b>2010</b> , 42, 210-225	0.7	8
75	Why is Kemeny's constant a constant?. <i>Journal of Applied Probability</i> , <b>2018</b> , 55, 1025-1036	0.8	8
74	Insensitivity in Stochastic Models. <i>Profiles in Operations Research</i> , <b>2011</b> , 121-140	1	8
73	Rejoinder: Citation Statistics. <i>Statistical Science</i> , <b>2009</b> , 24,	2.4	7
72	Level phase independence for GI/M/1-type Markov chains. <i>Journal of Applied Probability</i> , <b>2000</b> , 37, 984-998	0	7
71	Parrondo's paradoxical games and the discrete Brownian ratchet. <i>AIP Conference Proceedings</i> , <b>2000</b> ,	0	7
70	The output process of an MMPP/M/1 queue. <i>Journal of Applied Probability</i> , <b>1998</b> , 35, 998-1002	0.8	7
69	A general formulation for mean-value analysis in product-form batch-movement queueing networks. <i>Queueing Systems</i> , <b>1994</b> , 16, 363-372	1.7	7
68	Connecting internally balanced quasi-reversible Markov processes. <i>Advances in Applied Probability</i> , <b>1992</b> , 24, 934-959	0.7	7
67	The intercept term of the asymptotic variance curve for some queueing output processes. <i>European Journal of Operational Research</i> , <b>2015</b> , 242, 455-464	5.6	6
66	Modelling modal gating of ion channels with hierarchical Markov models. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2016</b> , 472, 20160122	2.4	6

65	A Markov analysis of social learning and adaptation. <i>Journal of Evolutionary Economics</i> , <b>2006</b> , 16, 299-319.	1.9	6
64	Two Issues Surrounding Parrondo's Paradox <b>2005</b> , 599-609		6
63	On the Inverse of Erlang's Function. <i>Journal of Applied Probability</i> , <b>1998</b> , 35, 246-252	0.8	6
62	Maximal Profit Dimensioning and Tariffing of Loss Networks. <i>Probability in the Engineering and Informational Sciences</i> , <b>1995</b> , 9, 323-340	0.6	6
61	A survey of parameter and state estimation in queues. <i>Queueing Systems</i> , <b>2021</b> , 97, 39-80	1.7	6
60	Level-phase independent stationary distributions for GI/M/1-type Markov chains with infinitely-many phases. <i>Performance Evaluation</i> , <b>2013</b> , 70, 551-563	1.2	5
59	On the Dual Relationship Between Markov Chains of GI/M/1 and M/G/1 Type. <i>Advances in Applied Probability</i> , <b>2010</b> , 42, 210-225	0.7	5
58	Braess's paradox in a loss network. <i>Journal of Applied Probability</i> , <b>1997</b> , 34, 155-159	0.8	5
57	The distribution of the number of arrivals in a subinterval of a busy period of a single server queue. <i>Queueing Systems</i> , <b>2006</b> , 53, 105-114	1.7	5
56	Level phase independence for GI/M/1-type Markov chains. <i>Journal of Applied Probability</i> , <b>2000</b> , 37, 984-988		5
55	The quasistationary distributions of level-independent quasi-birth-and-death processes. <i>Stochastic Models</i> , <b>1998</b> , 14, 389-406		5
54	Random Transmission Radii in Greedy Routing Models for Ad Hoc Sensor Networks. <i>SIAM Journal on Applied Mathematics</i> , <b>2012</b> , 72, 535-557	1.8	4
53	A distributed approach to capacity allocation in logical networks. <i>European Journal of Operational Research</i> , <b>2010</b> , 203, 737-748	5.6	4
52	A product-form loss network with a form of queueing. <i>Journal of Applied Probability</i> , <b>1997</b> , 34, 1075-1078	0.8	4
51	A correspondence between product-form batch-movement queueing networks and single-movement networks. <i>Journal of Applied Probability</i> , <b>1997</b> , 34, 160-175	0.8	4
50	Combination Load Balancing for Video-on-Demand Systems. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 937-948	6.4	4
49	Some Properties of the Capacity Value Function. <i>SIAM Journal on Applied Mathematics</i> , <b>2005</b> , 65, 1407-1419	1.9	4
48	State-dependent Coupling of Quasireversible Nodes <b>2001</b> , 37, 163-197		4

47	The output process of an MMPP/M/1 queue. <i>Journal of Applied Probability</i> , <b>1998</b> , 35, 998-1002	0.8	4
46	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> , <b>1995</b> , 22, 27-34		4
45	. <i>IEEE Transactions on Communications</i> , <b>1994</b> , 42, 1106-1111	6.9	4
44	Connecting internally balanced quasi-reversible Markov processes. <i>Advances in Applied Probability</i> , <b>1992</b> , 24, 934-959	0.7	4
43	Insensitivity in discrete time queues with a moving server. <i>Queueing Systems</i> , <b>1992</b> , 11, 273-297	1.7	4
42	A Restless Bandit Model for Resource Allocation, Competition, and Reservation. <i>Operations Research</i> ,	2.3	4
41	A general non-central hypergeometric distribution. <i>Communications in Statistics - Theory and Methods</i> , <b>2017</b> , 46, 4579-4598	0.5	3
40	An Activation-Clearance Model for Plasmodium vivax Malaria. <i>Bulletin of Mathematical Biology</i> , <b>2020</b> , 82, 32	2.1	3
39	A correspondence between product-form batch-movement queueing networks and single-movement networks. <i>Journal of Applied Probability</i> , <b>1997</b> , 34, 160-175	0.8	3
38	Modeling and analysis of block arrival times in the Bitcoin blockchain. <i>Stochastic Models</i> , <b>2020</b> , 36, 602-637	1.5	3
37	Antibody Dynamics for Plasmodium vivax Malaria: A Mathematical Model. <i>Bulletin of Mathematical Biology</i> , <b>2021</b> , 83, 6	2.1	3
36	Networks of interacting stochastic fluid models with infinite and finite buffers. <i>Queueing Systems</i> , <b>2019</b> , 92, 293-322	1.7	2
35	The time-dependent expected reward and deviation matrix of a finite QBD process. <i>Linear Algebra and Its Applications</i> , <b>2019</b> , 570, 61-92	0.9	2
34	The Markov-modulated Erlang loss system. <i>Performance Evaluation</i> , <b>2017</b> , 116, 53-69	1.2	2
33	A product-form loss network' with a form of queueing. <i>Journal of Applied Probability</i> , <b>1997</b> , 34, 1075-1078	0.8	2
32	A COMMENT ON TWO-PHASE BEHAVIOR OF FINANCIAL MARKETS. <i>International Journal of Theoretical and Applied Finance</i> , <b>2007</b> , 10, 89-93	0.5	2
31	Cost-Effective Deployment of Bandwidth Partitioning in Broadband Networks. <i>Telecommunication Systems</i> , <b>2004</b> , 25, 33-49	2.3	2
30	Quasi-reversibility and networks of queues with nonstandard batch movements. <i>Mathematical and Computer Modelling</i> , <b>2000</b> , 31, 335-341		2

29	Algebraic criteria for extended product form in generalised semi-Markov processes. <i>Stochastic Processes and Their Applications</i> , <b>1992</b> , 42, 269-282	1.1	2
28	The Algebraic Degree of Phase-Type Distributions. <i>Journal of Applied Probability</i> , <b>2010</b> , 47, 611-629	0.8	2
27	THE RUNNING MAXIMUM OF A LEVEL-DEPENDENT QUASI-BIRTH-DEATH PROCESS. <i>Probability in the Engineering and Informational Sciences</i> , <b>2016</b> , 30, 212-223	0.6	2
26	Queues with advanced reservations: an infinite-server proxy for the bookings diary. <i>Advances in Applied Probability</i> , <b>2016</b> , 48, 13-31	0.7	2
25	The roles of coupling and the deviation matrix in determining the value of capacity in M/M/1/C queues. <i>Queueing Systems</i> , <b>2016</b> , 83, 157-179	1.7	2
24	Towards Q-learning the Whittle Index for Restless Bandits <b>2019</b> ,		2
23	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> , <b>2019</b> , 274, 1012-1018	5.6	2
22	How old is this bird? The age distribution under some phase sampling schemes. <i>Journal of Mathematical Biology</i> , <b>2017</b> , 75, 1319-1347	2	1
21	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> , <b>2015</b> , 19, 73-77	0.7	1
20	How do we encourage an egoist to act socially in an ad hoc mobile network?. <i>Computer Networks</i> , <b>2012</b> , 56, 3499-3510	5.4	1
19	Decay rates for some quasi-birth-and-death processes with phase-dependent transition rates. <i>Journal of Applied Probability</i> , <b>2011</b> , 48, 327-339	0.8	1
18	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> , <b>2008</b> , 59, 87-93	1.7	1
17	Dynamic reallocation of capacity in logically fully-connected networks. <i>International Journal of Network Management</i> , <b>2004</b> , 14, 9-18	1.8	1
16	State-Dependent Coupling in General Networks. <i>Queueing Systems</i> , <b>2001</b> , 39, 337-348	1.7	1
15	An error bound for a continuous time approximation of discrete time servicing. <i>Stochastic Models</i> , <b>1992</b> , 8, 651-664		1
14	Decay rates for some quasi-birth-and-death processes with phase-dependent transition rates. <i>Journal of Applied Probability</i> , <b>2011</b> , 48, 327-339	0.8	1
13	Proof of the Hamiltonicity-Trace Conjecture for Singularly Perturbed Markov Chains. <i>Journal of Applied Probability</i> , <b>2011</b> , 48, 901-910	0.8	1
12	Optimal market thickness. <i>Journal of Economic Theory</i> , <b>2022</b> , 200, 105383	1.4	0



11	Safe Blues: The case for virtual safe virus spread in the long-term fight against epidemics. <i>Patterns</i> , <b>2021</b> , 2, 100220	5.1	0
10	Strategic customer behavior in an M/M/1 feedback queue. <i>Queueing Systems</i> , <b>2021</b> , 97, 223-259	1.7	0
9	A queueing model for the capacity planning of a multi-phase human services process. <i>International Journal of Systems Science: Operations and Logistics</i> , <b>2015</b> , 2, 156-167	2.6	
8	A paradox for expected hitting times. <i>Stochastic Models</i> , <b>2020</b> , 36, 365-377	0.5	
7	Renfrey Burnard Potts 1925–2005. <i>Historical Records of Australian Science</i> , <b>2014</b> , 25, 291	0.2	
6	Comments on: Light tail asymptotics in multidimensional reflecting processes for queueing networks. <i>Top</i> , <b>2011</b> , 19, 306-308	1.3	
5	Maximal profit dimensioning and tariffing of loss networks with cross-connects. <i>Mathematical and Computer Modelling</i> , <b>2000</b> , 31, 21-30		
4	Resource competition in virtual network embedding. <i>Stochastic Models</i> , <b>2021</b> , 37, 231-263	0.5	
3	A Distributed Scheme for Value-Based Bandwidth Reconfiguration. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 16-35	0.9	
2	THE VALUE OF COMMUNICATION AND COOPERATION WHEN SERVERS ARE STRATEGIC. <i>ANZIAM Journal</i> , <b>2019</b> , 61, 349-367	0.5	
1	Spatial queues with a moving server. <i>Queueing Systems</i> , 1	1.7	