

Armand M Makowski

List of Publications by Year in descending order

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50
papers

830
citations

516710

16
h-index

552781

26
g-index

50
all docs

50
docs citations

50
times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	The fork-join queue and related systems with synchronization constraints: stochastic ordering and computable bounds. <i>Advances in Applied Probability</i> , 1989, 21, 629-660.	0.7	111
2	Zero-One Laws for Connectivity in Random Key Graphs. <i>IEEE Transactions on Information Theory</i> , 2012, 58, 2983-2999.	2.4	76
3	Interpolation approximations for symmetric Fork-Join queues. <i>Performance Evaluation</i> , 1994, 20, 245-265.	1.2	70
4	Filtering formulae for partially observed linear systems with non-gaussian initial conditions. <i>Stochastics</i> , 1986, 16, 1-24.	0.6	49
5	Tail probabilities for M/G/1 input processes (I): Preliminary asymptotics. <i>Queueing Systems</i> , 1997, 27, 271-296.	0.9	49
6	Multidimensional Stochastic Ordering and Associated Random Variables. <i>Operations Research</i> , 1989, 37, 478-487.	1.9	45
7	On a reduced load equivalence for fluid queues under subexponentiality. <i>Queueing Systems</i> , 1999, 33, 5-41.	0.9	43
8	Modeling the Pairwise Key Predistribution Scheme in the Presence of Unreliable Links. <i>IEEE Transactions on Information Theory</i> , 2013, 59, 1740-1760.	2.4	26
9	On the Connectivity of Sensor Networks Under Random Pairwise Key Predistribution. <i>IEEE Transactions on Information Theory</i> , 2013, 59, 5754-5762.	2.4	22
10	Dynamic, Transient and Stationary Behavior of the M/G/1 Queue Via Martingales. <i>Annals of Probability</i> , 1989, 17, .	1.8	22
11	Heavy traffic analysis for a multiplexer driven by M/G/1 input processes. <i>Teletraffic Science and Engineering</i> , 1997, 2, 497-506.	0.4	21
12	A very strong zero-one law for connectivity in one-dimensional geometric random graphs. <i>IEEE Communications Letters</i> , 2007, 11, 55-57.	4.1	19
13	Stability and bounds for single server queues in random environment. <i>Stochastic Models</i> , 1986, 2, 281-291.	0.3	18
14	Comparing Policies in Markov Decision Processes: Mandl's Lemma Revisited. <i>Mathematics of Operations Research</i> , 1990, 15, 155-174.	1.3	17
15	On the random graph induced by a random key predistribution scheme under full visibility. , 2008, , .		16
16	On the scalability of the random pairwise key predistribution scheme: Gradual deployment and key ring sizes. <i>Performance Evaluation</i> , 2013, 70, 493-512.	1.2	16
17	Wireless Sensor Networks Under the Random Pairwise Key Predistribution Scheme: Can Resiliency Be Achieved With Small Key Rings?. <i>IEEE/ACM Transactions on Networking</i> , 2016, 24, 3383-3396.	3.8	16
18	One-Dimensional Geometric Random Graphs With Nonvanishing Densities—Part I: A Strong Zero-One Law for Connectivity. <i>IEEE Transactions on Information Theory</i> , 2009, 55, 5832-5839.	2.4	13

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19	Heavy traffic limits associated with $M/G/\infty$ input processes. Queueing Systems, 2000, 34, 101-130.	0.9	12
20	Connectivity results for random key graphs. , 2009, , .		12
21	Random Key Graphs Can They be Small Worlds?. , 2009, , .		12
22	Results on the filtering problem for linear systems with non-Gaussian initial conditions. , 1982, , .		11
23	Very sharp transitions in one-dimensional MANETs. , 2006, , .		11
24	Designing Securely Connected Wireless Sensor Networks in the Presence of Unreliable Links. , 2011, , .		10
25	The Poisson Equation for Countable Markov Chains: Probabilistic Methods and Interpretations. Profiles in Operations Research, 2002, , 269-303.	0.4	9
26	Automated Analysis of Rodent Three-Channel Electrocardiograms and Vectorcardiograms. IEEE Transactions on Biomedical Engineering, 1985, BME-32, 43-50.	4.2	8
27	Matrix-geometric solution for two node tandem queueing systems with phase-type servers subject to blocking and failures. Stochastic Models, 1989, 5, 431-457.	0.3	8
28	Martingale relations for the $M\&G\&1$ queue with Markov modulated Poisson input. Stochastic Processes and Their Applications, 1991, 38, 99-133.	0.9	8
29	Stochastic Approximations and Adaptive Control of a Discrete-Time Single-Server Network with Random Routing. SIAM Journal on Control and Optimization, 1992, 30, 1476-1506.	2.1	8
30	Asymptotic optimality of the Round-Robin policy in multipath routing with resequencing. Queueing Systems, 2006, 52, 199-214.	0.9	8
31	On the critical communication range under node placement with vanishing densities. , 2007, , .		8
32	On the gradual deployment of random pairwise key distribution schemes. , 2011, , .		7
33	Optimality results for a simple flow control problem. , 1987, , .		6
34	On the Optimality of Uniform Pulse Amplitude Modulation. IEEE Transactions on Information Theory, 2006, 52, 5546-5549.	2.4	6
35	Buffer Asymptotics for $M/G/\infty$ Input Processes. , 0, , 215-248.		5
36	Comparing Locality of Reference - Some Folk Theorems for the Miss Rate and the Output of Caches. , 2005, , 333-365.		4

#	ARTICLE	IF	CITATIONS
37	Connectivity in random graphs induced by a key predistribution scheme - small key pools. , 2010, , .		4
38	Connectivity results for sensor networks under a random pairwise key predistribution scheme. , 2012, , .		4
39	Power-law vs exponential queueing in a network traffic model. Performance Evaluation, 2008, 65, 32-50.	1.2	3
40	On the Eschenauer-Gligor key predistribution scheme under on-off communication channels: The absence of isolated nodes. , 2015, , .		3
41	WHEN ARE ON-TOFF SOURCES SIS?: CONDITIONS AND APPLICATIONS. Probability in the Engineering and Informational Sciences, 2004, 18, 423-443.	0.8	2
42	On the behavior of ECN/RED gateways under a large number of TCP flows: Limit theorems. Queueing Systems, 2006, 52, 287-304.	0.9	2
43	On the existence of triangles in random key graphs. , 2009, , .		2
44	On the Sensitivity of the Critical Transmission Range: Lessons from the Lonely Dimension. Foundations and Trends in Networking, 2011, 6, 287-399.	10.2	2
45	One-dimensional geometric random graphs with nonvanishing densities II: a very strong zero-one law for connectivity. Queueing Systems, 2012, 72, 103-138.	0.9	2
46	Parameter estimation under threshold policies for a simple flow control problem. , 1987, , .		1
47	On the resiliency of sensor networks under the pairwise key distribution scheme. , 2011, , .		1
48	Random threshold graphs with exponential fitness: The width of the phase transition for connectivity. , 2013, , .		1
49	On the asymptotics of degree distributions. , 2015, , .		1
50	Discussion of "Teletraffic". Scandinavian Journal of Statistics, 2005, 32, 217-218.	1.4	0