Kenneth P Birman

List of Publications by Citations

30 papers	1,870 citations	15 h-index	30 g-index
30 ext. papers	2,235 ext. citations	1.7 avg, IF	4.53 L-index

#	Paper	IF	Citations
30	The process group approach to reliable distributed computing. *Communications of the ACM*, **1993**, 36, 37-53	2.5	404
29	Bimodal multicast. *ACM Transactions on Computer Systems*, **1999**, 17, 41-88	1.1	374
28	Astrolabe. *ACM Transactions on Computer Systems*, **2003**, 21, 164-206	1.1	337
27	Horus. *Communications of the ACM*, **1996**, 39, 76-83	2.5	317
26	Using process groups to implement failure detection in asynchronous environments **1991**,		74
25	Low cost management of replicated data in fault-tolerant distributed systems. *ACM Transactions on Computer Systems*, **1986**, 4, 54-70	1.1	42
24	A framework for protocol composition in Horus **1995**,		41
23	Building secure and reliable network applications. *Lecture Notes in Computer Science*, **1997**, 15-28	0.9	39
22	A review of experiences with reliable multicast. *Software - Practice and Experience*, **1999**, 29, 741-774	2.5	33
21	Active and passive techniques for group size estimation in large-scale and dynamic distributed systems. *Journal of Systems and Software*, **2007**, 80, 1639-1658	3.3	30
20	Rule-Based Learning for More Accurate ECG Analysis. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **1982**, 4, 369-80	13.3	27
19	Replication and fault-tolerance in the ISIS system. *Operating Systems Review (ACM)*, **1985**, 19, 79-86	0.8	26
18	Guide to Reliable Distributed Systems. *Texts in Computer Science*, **2012**,	0.4	25
17	Fighting fire with fire: using randomized gossip to combat stochastic scalability limits. *Quality and Reliability Engineering International*, **2002**, 18, 165-184	2.6	22
16	Software for Reliable Networks. *Scientific American*, **1996**, 274, 64-69	0.5	18
15	A Dynamic Light-Weight Group Service. *Journal of Parallel and Distributed Computing*, **2000**, 60, 1449-1479	4.4	14
14	Using AVL trees for fault-tolerant group key management. *International Journal of Information Security*, **2002**, 1, 84-99	2.8	12

2

LIST OF PUBLICATIONS

13	Using SEEK for multichannel pattern recognition. *Journal of Biomedical Informatics*, **1983**, 16, 311-33		8
12	Middleware support for distributed multimedia and collaborative computing. *Software - Practice and Experience*, **1999**, 29, 1285-1312	2.5	7
11	Navigating in the Storm: Using Astrolabe to Adaptively Configure Web Services and Their Clients. *Cluster Computing*, **2006**, 9, 127-139	2.1	5
10	The Surprising Power of Epidemic Communication. *Lecture Notes in Computer Science*, **2003**, 97-102	0.9	5
9	A review of experiences with reliable multicast **1999**, 29, 741		5
8	Throughput Stability of Reliable Multicast Protocols. *Lecture Notes in Computer Science*, **2000**, 159-169	0.9	3
7	Security Options for Distributed Settings. *Texts in Computer Science*, **2012**, 543-569	0.4	1
6	Group Communication Systems. *Texts in Computer Science*, **2012**, 369-405	0.4	1
5	Software Architectures for Group Communication. *Texts in Computer Science*, **2012**, 509-539	0.4	
4	Overcoming Failures in a Distributed System. *Texts in Computer Science*, **2012**, 301-337	0.4	
3	Peer-to-Peer Systems and Probabilistic Protocols. *Texts in Computer Science*, **2012**, 609-634	0.4	
2	Clock Synchronization and Synchronous Systems. *Texts in Computer Science*, **2012**, 571-586	0.4	
1	Dynamic Membership. *Texts in Computer Science*, **2012**, 339-367	0.4	