

# Kenneth P Birman

## 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.

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	Guide to Reliable Distributed Systems. <i>Texts in Computer Science</i> , <b>2012</b> ,	0.4	25
29	Software Architectures for Group Communication. <i>Texts in Computer Science</i> , <b>2012</b> , 509-539	0.4	
28	Overcoming Failures in a Distributed System. <i>Texts in Computer Science</i> , <b>2012</b> , 301-337	0.4	
27	Peer-to-Peer Systems and Probabilistic Protocols. <i>Texts in Computer Science</i> , <b>2012</b> , 609-634	0.4	
26	Security Options for Distributed Settings. <i>Texts in Computer Science</i> , <b>2012</b> , 543-569	0.4	1
25	Clock Synchronization and Synchronous Systems. <i>Texts in Computer Science</i> , <b>2012</b> , 571-586	0.4	
24	Group Communication Systems. <i>Texts in Computer Science</i> , <b>2012</b> , 369-405	0.4	1
23	Dynamic Membership. <i>Texts in Computer Science</i> , <b>2012</b> , 339-367	0.4	
22	Active and passive techniques for group size estimation in large-scale and dynamic distributed systems. <i>Journal of Systems and Software</i> , <b>2007</b> , 80, 1639-1658	3.3	30
21	Navigating in the Storm: Using Astrolabe to Adaptively Configure Web Services and Their Clients. <i>Cluster Computing</i> , <b>2006</b> , 9, 127-139	2.1	5
20	Astrolabe. <i>ACM Transactions on Computer Systems</i> , <b>2003</b> , 21, 164-206	1.1	337
19	The Surprising Power of Epidemic Communication. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 97-102	0.9	5
18	Using AVL trees for fault-tolerant group key management. <i>International Journal of Information Security</i> , <b>2002</b> , 1, 84-99	2.8	12
17	Fighting fire with fire: using randomized gossip to combat stochastic scalability limits. <i>Quality and Reliability Engineering International</i> , <b>2002</b> , 18, 165-184	2.6	22
16	A Dynamic Light-Weight Group Service. <i>Journal of Parallel and Distributed Computing</i> , <b>2000</b> , 60, 1449-1474	0.4	14
15	Throughput Stability of Reliable Multicast Protocols. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 159-169	0.9	3
14	Bimodal multicast. <i>ACM Transactions on Computer Systems</i> , <b>1999</b> , 17, 41-88	1.1	374

13	A review of experiences with reliable multicast. <i>Software - Practice and Experience</i> , <b>1999</b> , 29, 741-774	2.5	33
12	Middleware support for distributed multimedia and collaborative computing. <i>Software - Practice and Experience</i> , <b>1999</b> , 29, 1285-1312	2.5	7
11	A review of experiences with reliable multicast <b>1999</b> , 29, 741		5
10	Building secure and reliable network applications. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 15-28	0.9	39
9	Software for Reliable Networks. <i>Scientific American</i> , <b>1996</b> , 274, 64-69	0.5	18
8	Horus. <i>Communications of the ACM</i> , <b>1996</b> , 39, 76-83	2.5	317
7	A framework for protocol composition in Horus <b>1995</b> ,		41
6	The process group approach to reliable distributed computing. <i>Communications of the ACM</i> , <b>1993</b> , 36, 37-53	2.5	404
5	Using process groups to implement failure detection in asynchronous environments <b>1991</b> ,		74
4	Low cost management of replicated data in fault-tolerant distributed systems. <i>ACM Transactions on Computer Systems</i> , <b>1986</b> , 4, 54-70	1.1	42
3	Replication and fault-tolerance in the ISIS system. <i>Operating Systems Review (ACM)</i> , <b>1985</b> , 19, 79-86	0.8	26
2	Using SEEK for multichannel pattern recognition. <i>Journal of Biomedical Informatics</i> , <b>1983</b> , 16, 311-33		8
1	Rule-Based Learning for More Accurate ECG Analysis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>1982</b> , 4, 369-80	13.3	27