

# Boris Koldehofe

## List of Publications by Citations

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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.

60  
papers

1,007  
citations

16  
h-index

30  
g-index

65  
ext. papers

1,272  
ext. citations

2.7  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
60	Mobile fog <b>2013</b> ,		278
59	MigCEP <b>2013</b> ,		73
58	Evaluating the educational impact of visualization. <i>SIGCSE Bulletin</i> , <b>2003</b> , 35, 124-136	0	54
57	Predictable Low-Latency Event Detection With Parallel Complex Event Processing. <i>IEEE Internet of Things Journal</i> , <b>2015</b> , 2, 274-286	10.7	38
56	Complex Event Processing. <i>IT - Information Technology</i> , <b>2009</b> , 51, 241-242	0.4	35
55	MCEP. <i>ACM Transactions on Internet Technology</i> , <b>2014</b> , 14, 1-24	3.8	33
54	Securing Broker-Less Publish/Subscribe Systems Using Identity-Based Encryption. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2014</b> , 25, 518-528	3.7	31
53	Rollback-recovery without checkpoints in distributed event processing systems <b>2013</b> ,		27
52	Cordies <b>2010</b> ,		27
51	From event streams to process models and back: Challenges and opportunities. <i>Information Systems</i> , <b>2019</b> , 81, 181-200	2.7	27
50	Multipath QUIC: A Deployable Multipath Transport Protocol <b>2018</b> ,		26
49	PLEROMA <b>2014</b> ,		25
48	Opportunistic spatio-temporal event processing for mobile situation awareness <b>2013</b> ,		24
47	Meeting subscriber-defined QoS constraints in publish/subscribe systems. <i>Concurrency Computation Practice and Experience</i> , <b>2011</b> , 23, 2140-2153	1.4	23
46	High Performance Publish/Subscribe Middleware in Software-Defined Networks. <i>IEEE/ACM Transactions on Networking</i> , <b>2017</b> , 25, 1501-1516	3.8	22
45	Providing basic security mechanisms in broker-less publish/subscribe systems <b>2010</b> ,		19
44	Moving range queries in distributed complex event processing <b>2012</b> ,		15

43	Distributed spectral cluster management <b>2012</b> ,	14
42	How robust are gossip-based communication protocols?. <i>Operating Systems Review (ACM)</i> , <b>2007</b> , 41, 14-188	13
41	Efficient content-based routing with network topology inference <b>2013</b> ,	12
40	Supporting Strong Reliability for Distributed Complex Event Processing Systems <b>2011</b> ,	12
39	TCEP <b>2018</b> ,	12
38	Efficient and Distributed Rule Placement in Heavy Constraint-Driven Event Systems <b>2011</b> ,	11
37	RECEP <b>2014</b> ,	10
36	Distributed heterogeneous event processing <b>2010</b> ,	10
35	Quality-Aware Runtime Adaptation in Complex Event Processing <b>2017</b> ,	9
34	P4-CoDel: Active Queue Management in Programmable Data Planes <b>2018</b> ,	9
33	Distributed control plane for software-defined networks <b>2015</b> ,	7
32	P4STA: High Performance Packet Timestamping with Programmable Packet Processors <b>2020</b> ,	7
31	Distributed complex event processing for mobile large-scale video applications <b>2014</b> ,	7
30	Seamless Transitions between Filter Schemes for Location-Based Mobile Applications <b>2016</b> ,	6
29	P4-BNG: Central Office Network Functions on Programmable Packet Pipelines <b>2019</b> ,	6
28	Multipath TCP Scheduling for Thin Streams: Active Probing and One-Way Delay-Awareness <b>2018</b> ,	5
27	TrustCEP: Adopting a Trust-Based Approach for Distributed Complex Event Processing <b>2017</b> ,	5
26	Immense Dynamism. <i>German Research</i> , <b>2015</b> , 37, 24-27	0.1 5

25	Meeting predictable buffer limits in the parallel execution of event processing operators <b>2014</b> ,		5
24	OpenBNG: Central office network functions on programmable data plane hardware. <i>International Journal of Network Management</i> , <b>2021</b> , 31, e2134	1.8	5
23	Don't repeat yourself <b>2018</b> ,		5
22	Transitions: A Protocol-Independent View of the Future Internet. <i>Proceedings of the IEEE</i> , <b>2019</b> , 107, 835-846	14.3	4
21	Efficient support for multi-resolution queries in global sensor networks <b>2011</b> ,		4
20	Operator Migration for Distributed Complex Event Processing in Device-to-Device Based Networks <b>2016</b> ,		4
19	Dynamic Publish/Subscribe to Meet Subscriber-Defined Delay and Bandwidth Constraints. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 458-470	0.9	4
18	Change as chance: Transition-enabled monitoring for dynamic networks and environments <b>2018</b> ,		3
17	Transitions for Increased Flexibility in Fog Computing: A Case Study on Complex Event Processing. <i>Informatik-Spektrum</i> , <b>2019</b> , 42, 244-255	0.3	3
16	Scalable group communication supporting configurable levels of consistency. <i>Concurrency Computation Practice and Experience</i> , <b>2013</b> , 25, 649-671	1.4	3
15	<b>2012</b> ,		3
14	Multilevel Predictions for the Aggregation of Data in Global Sensor Networks <b>2010</b> ,		3
13	ProgCEP <b>2019</b> ,		3
12	A cost efficient scheduling strategy to guarantee probabilistic workflow deadlines <b>2015</b> ,		2
11	LYDIAN. <i>Journal on Educational Resources in Computing</i> , <b>2006</b> , 6, 1		2
10	Spontaneous Virtual Networks: On the Road Towards the Internet's Next Generation Spontane Virtuelle Netze: Auf dem Weg zur nächsten Generation des Internets. <i>IT - Information Technology</i> , <b>2009</b> , 50, 367-375	0.4	2
9	Microbursts in Software and Hardware-based Traffic Load Generation <b>2020</b> ,		2
8	Exact convex formulations of network-oriented optimal operator placement <b>2012</b> ,		1

7	Flexible Content-based Publish/Subscribe over Programmable Data Planes <b>2020</b> ,		1
6	P4-CoDel: Experiences on Programmable Data Plane Hardware <b>2021</b> ,		1
5	INetCEP: In-Network Complex Event Processing for Information-Centric Networking <b>2019</b> ,		1
4	Understanding the Behavior of Operator Placement Mechanisms on Large-Scale Networks <b>2018</b> ,		1
3	TCEP: Transitions in operator placement to adapt to dynamic network environments. <i>Journal of Computer and System Sciences</i> , <b>2021</b> , 122, 94-125	1	1
2	Network Testing Utilizing Programmable Network Hardware. <i>IEEE Communications Magazine</i> , <b>2022</b> , 60, 12-17	9.1	1
1	Bandwidth-Minimized Distribution of Measurements in Global Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 156-170	0.9	