

# David Eyers

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

1,083  
citations

759055

12  
h-index

580701

25  
g-index

77  
all docs

77  
docs citations

77  
times ranked

960  
citing authors

#	ARTICLE	IF	CITATIONS
1	I-Scheduler: Iterative scheduling for distributed stream processing systems. Future Generation Computer Systems, 2021, 117, 219-233.	4.9	4
2	Spons & Shields: practical isolation for trusted execution. , 2021, , .		5
3	Detecting the target of sarcasm is hard: Really??. Information Processing and Management, 2021, 58, 102599.	5.4	10
4	Manila: Using a densely populated PMC-space for power modelling within large-scale systems. Parallel Computing, 2019, 82, 37-56.	1.3	7
5	TrustZone for Supervised Asymmetric Multiprocessing Systems. , 2019, , .		0
6	Evaluating the Impact of Network Latency on the Safety of Blockchain Transactions. , 2019, , .		33
7	Detailed comparison of energy-related time-use diaries and monitored residential electricity demand. Energy and Buildings, 2019, 183, 418-427.	3.1	13
8	Personal data and the internet of things. Communications of the ACM, 2019, 62, 32-34.	3.3	8
9	From Here to Provtopia. Lecture Notes in Computer Science, 2019, , 54-67.	1.0	3
10	Principal Component Analysis Based Filtering for Scalable, High Precision k-NN Search. IEEE Transactions on Computers, 2018, 67, 252-267.	2.4	10
11	A minimal simulation of the electricity demand of a domestic hot water cylinder for smart control. Applied Energy, 2018, 211, 104-112.	5.1	27
12	Runtime Analysis of Whole-System Provenance. , 2018, , .		51
13	Distributed sparse bundle adjustment algorithm based on three-dimensional point partition and asynchronous communication. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 889-904.	1.5	4
14	LibSEAL. , 2018, , .		14
15	T3-Scheduler: A topology and Traffic aware two-level Scheduler for stream processing systems in a heterogeneous cluster. Future Generation Computer Systems, 2018, 89, 617-632.	4.9	27
16	Iterative Scheduling for Distributed Stream Processing Systems. , 2018, , .		5
17	Data provenance to audit compliance with privacy policy in the Internet of Things. Personal and Ubiquitous Computing, 2018, 22, 333-344.	1.9	41
18	Camflow: Managed Data-Sharing for Cloud Services. IEEE Transactions on Cloud Computing, 2017, 5, 472-484.	3.1	45

#	ARTICLE	IF	CITATIONS
19	PHP2Uni: Building Unikernels Using Scripting Language Transpilation. , 2017, , .		3
20	TrustCEP: Adopting a Trust-Based Approach for Distributed Complex Event Processing. , 2017, , .		9
21	Comparative analysis of monitored and self-reported data on electricity use. , 2017, , .		0
22	Practical whole-system provenance capture. , 2017, , .		74
23	Power Neighboring Interval Matching Based PMC Integration. Journal of Circuits, Systems and Computers, 2016, 25, 1650086.	1.0	0
24	Manila: Using a Densely Populated PMC-Space for Power Modelling within Large-Scale Systems. , 2016, , .		2
25	VPAP: VBR Pattern Aware Playback Buffering for video streaming. , 2016, , .		1
26	Big ideas paper. , 2016, , .		17
27	PCAF: Scalable, High Precision k-NN Search Using Principal Component Analysis Based Filtering. , 2016, , .		1
28	Information Flow Control with Minimal Tag Disclosure. , 2016, , .		1
29	Data-Centric Access Control for Cloud Computing. , 2016, , .		14
30	Information Flow Audit for Transparency and Compliance in the Handling of Personal Data. , 2016, , .		5
31	Information Flow Audit for PaaS Clouds. , 2016, , .		20
32	Twenty Security Considerations for Cloud-Supported Internet of Things. IEEE Internet of Things Journal, 2016, 3, 269-284.	5.5	223
33	A State-Based Energy/Performance Model for Parallel Applications on Multicore Computers. , 2015, , .		2
34	Optimal space subdivision for parallel approximate nearest neighbour determination. , 2015, , .		1
35	FlowWatcher. , 2015, , .		17
36	Improving Throughput of a Pipeline Model Indexer. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Scalable Multicore k-NN Search via Subspace Clustering for Filtering. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 3449-3460.	4.0	12
38	Helping secure robots in WSN environments by monitoring WSN software updates for intrusions. , 2015, , .		3
39	Efficient Selection Algorithm for Fast k-NN Search on GPUs. , 2015, , .		12
40	Integrating Messaging Middleware and Information Flow Control. , 2015, , .		18
41	Quantifying the Energy Efficiency Challenges of Achieving Exascale Computing. , 2015, , .		11
42	Effective Runtime Monitoring of Distributed Event-Based Enterprise Systems with ASIA. , 2014, , .		3
43	CloudSafetyNet. , 2014, , .		16
44	FlowK: Information Flow Control for the Cloud. , 2014, , .		16
45	PMC-Based Power Modelling with Workload Classification on Multicore Systems. , 2014, , .		2
46	Myths in power estimation with Performance Monitoring Counters. Sustainable Computing: Informatics and Systems, 2014, 4, 83-93.	1.6	6
47	Information Flow Control for Secure Cloud Computing. IEEE Transactions on Network and Service Management, 2014, 11, 76-89.	3.2	76
48	Data filtering for scalable high-dimensional k-NN search on multicore systems. , 2014, , .		7
49	Investigating large-scale feature matching using the Intel&#x00AE; Xeon Phi&#x2122; coprocessor. , 2013, , .		3
50	Large-scale feature matching with distributed and heterogeneous computing. , 2013, , .		2
51	Performance Bottlenecks in Manycore Systems: A Case Study on Large Scale Feature Matching within Image Collections. , 2013, , .		3
52	Performance Tuning on Multicore Systems for Feature Matching within Image Collections. , 2013, , .		2
53	Myths in PMC-Based Power Estimation. Lecture Notes in Computer Science, 2013, , 35-50.	1.0	5
54	Efficient Data Tagging for Managing Privacy in the Internet of Things. , 2012, , .		36

#	ARTICLE	IF	CITATIONS
55	Security Policy and Information Sharing in Distributed Event-Based Systems. <i>Studies in Computational Intelligence</i> , 2011, , 151-172.	0.7	7
56	Handover Delay in Mobile WiMAX: A Simulation Study. , 2011, , .		7
57	Data compression on the sphere. <i>Astronomy and Astrophysics</i> , 2011, 531, A98.	2.1	12
58	Configuring large-scale storage using a middleware with machine learning. <i>Concurrency Computation Practice and Experience</i> , 2011, 23, 2063-2077.	1.4	3
59	SafeWeb: A Middleware for Securing Ruby-Based Web Applications. <i>Lecture Notes in Computer Science</i> , 2011, , 491-511.	1.0	13
60	Efficient Policy Checking across Administrative Domains. , 2010, , .		4
61	Linking Policies to the Spatial Environment. , 2010, , .		2
62	Distributed Middleware Enforcement of Event Flow Security Policy. <i>Lecture Notes in Computer Science</i> , 2010, , 334-354.	1.0	7
63	Security in Multi-domain Event-based SystemsSicherheit in ereignis-basierten MehrdomÄnensystemen. <i>IT - Information Technology</i> , 2009, 51, 277-284.	0.6	6
64	On Logic and Standards for Structuring Documents. <i>Lecture Notes in Business Information Processing</i> , 2009, , 172-186.	0.8	0
65	Compile-Time Enforcement of Dynamic Security Policies. , 2008, , .		0
66	A capability-based access control architecture for multi-domain publish/subscribe systems. , 2006, , .		17
67	OASIS role-based access control for electronic health records. <i>IET Software</i> , 2006, 153, 16.	1.0	34
68	Securing Publish/Subscribe for Multi-domain Systems. <i>Lecture Notes in Computer Science</i> , 2005, , 1-20.	1.0	15
69	A formal model for hierarchical policy contexts. , 2004, , .		2
70	A Coverage-Determination Mechanism for Checking Business Contracts against Organizational Policies. <i>Lecture Notes in Computer Science</i> , 2002, , 97-106.	1.0	2
71	Policy storage for role-based access control systems. , 0, , .		0
72	Policy contexts: controlling information flow in parameterised RBAC. , 0, , .		14

#	ARTICLE	IF	CITATIONS
73	Credential negotiation with limited disclosure via iterative range refinement in an unordered space. , 0, , .		0
74	Power Modeling. , 0, , 131-158.		3
75	Securing Event-Based Systems. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 0, , 119-139.	0.5	2