

Martin S Olivier

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

698
citations

840119

11
h-index

752256

20
g-index

112
all docs

112
docs citations

112
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	On metadata context in Database Forensics. <i>Digital Investigation</i> , 2009, 5, 115-123.	3.2	78
2	Android botnets on the rise: Trends and characteristics. , 2012, , .		50
3	A taxonomy for secure object-oriented databases. <i>ACM Transactions on Database Systems</i> , 1994, 19, 3-46.	1.5	37
4	The use of self-organising maps for anomalous behaviour detection in a digital investigation. <i>Forensic Science International</i> , 2006, 162, 33-37.	1.3	31
5	Ideal log setting for database forensics reconstruction. <i>Digital Investigation</i> , 2015, 12, 27-40.	3.2	28
6	Sequenced release of privacy-accurate information in a forensic investigation. <i>Digital Investigation</i> , 2010, 7, 95-101.	3.2	25
7	Modelling, specifying and implementing workflow security in Cyberspace. <i>Journal of Computer Security</i> , 1999, 7, 287-315.	0.5	24
8	Database privacy. <i>SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining</i> , 2002, 4, 20-27.	3.2	22
9	Reconstruction in Database Forensics. <i>International Federation for Information Processing</i> , 2012, , 273-287.	0.4	19
10	Western privacy and/or Ubuntu? Some critical comments on the influences in the forthcoming data privacy bill in South Africa. <i>International Information and Library Review</i> , 2007, 39, 31-43.	0.8	17
11	Using time-driven activity-based costing to manage digital forensic readiness in large organisations. <i>Information Systems Frontiers</i> , 2012, 14, 1061-1077.	4.1	17
12	Exploring Forensic Data with Self-Organizing Maps. , 2005, , 113-123.		12
13	Western privacy and/or Ubuntu? Some critical comments on the influences in the forthcoming data privacy bill in South Africa. <i>International Information and Library Review</i> , 2007, 39, 31-43.	0.8	12
14	PIDS: a privacy intrusion detection system. <i>Internet Research</i> , 2004, 14, 360-365.	2.7	11
15	Privacy Contracts as an Extension of Privacy Policies. , 2005, , .		11
16	A fraud management system architecture for next-generation networks. <i>Forensic Science International</i> , 2009, 185, 51-58.	1.3	11
17	Assembling Metadata for Database Forensics. <i>International Federation for Information Processing</i> , 2011, , 89-99.	0.4	10
18	The role of triggers in database forensics. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
19	Bluetooth Command and Control channel. Computers and Security, 2014, 45, 75-83.	4.0	10
20	Correctness proof for database reconstruction algorithm. Digital Investigation, 2012, 9, 138-150.	3.2	9
21	The state of database forensic research. , 2015, , .		9
22	Gamifying authentication. , 2012, , .		8
23	Applying Machine Trust Models to Forensic Investigations. IFIP Advances in Information and Communication Technology, 2006, , 55-65.	0.5	8
24	Data Hiding Techniques for Database Environments. International Federation for Information Processing, 2012, , 289-301.	0.4	8
25	On granting limited access to private information. , 2001, , .		7
26	Considerations Towards a Cyber Crime Profiling System. , 2008, , .		7
27	Isolating Instances in Cloud Forensics. International Federation for Information Processing, 2012, , 187-200.	0.4	7
28	NOSQL Databases: Forensic Attribution Implications. SAIEE Africa Research Journal, 2018, 109, 119-132.	1.1	7
29	Analysis of Web Proxy Logs. IFIP Advances in Information and Communication Technology, 2006, , 247-258.	0.5	7
30	Self-protecting Objects in a Secure Federated Database. IFIP Advances in Information and Communication Technology, 1996, , 27-42.	0.5	7
31	Building a secure database using self-protecting objects. Computers and Security, 1992, 11, 259-271.	4.0	6
32	A Chinese Wall approach to privacy policies for the Web. , 0, , .		6
33	On the use of economic price theory to find the optimum levels of privacy and information utility in non-perturbative microdata anonymisation. Data and Knowledge Engineering, 2010, 69, 399-423.	2.1	6
34	Smartphone data evaluation model: Identifying authentic smartphone data. Digital Investigation, 2018, 24, 11-24.	3.2	6
35	Patlet for Digital Forensics First Responders. , 2007, , .		5
36	Cloud Separation: Stuck Inside the Cloud. Lecture Notes in Computer Science, 2012, , 36-49.	1.0	5

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37	Reference Architecture for Android Applications to Support the Detection of Manipulated Evidence. SAIEE Africa Research Journal, 2016, 107, 92-103.	1.1	5
38	An Information-Flow Model for Privacy (Infopriv). , 1999, , 77-90.		5
39	An Evidence Acquisition Tool for Live Systems. International Federation for Information Processing, 2008, , 325-334.	0.4	5
40	Wrappersâ€‘a mechanism to support state-based authorisation in Web applications. Data and Knowledge Engineering, 2002, 43, 281-292.	2.1	4
41	Playing hide-and-seek: Detecting the manipulation of Android Timestamps. , 2015, , .		4
42	Smartphones as Distributed Witnesses for Digital Forensics. Lecture Notes in Computer Science, 2014, , 237-251.	1.0	4
43	Active Traffic Capture for Network Forensics. IFIP Advances in Information and Communication Technology, 2006, , 215-228.	0.5	4
44	Schema Reconstruction in Database Forensics. Lecture Notes in Computer Science, 2014, , 101-116.	1.0	4
45	On Complex Crimes and Digital Forensics. Advances in Information Security, Privacy, and Ethics Book Series, 2014, , 230-244.	0.4	4
46	USING YINâ€™S APPROACH TO CASE STUDIES AS A PARADIGM FOR CONDUCTING EXAMINATIONS. IFIP Advances in Information and Communication Technology, 2015, , 45-59.	0.5	4
47	On a Scientific Theory of Digital Forensics. IFIP Advances in Information and Communication Technology, 2016, , 3-24.	0.5	4
48	An object-based version of the path context model. International Journal of Computer Mathematics, 1993, 49, 133-144.	1.0	3
49	SQL's revoke with a view on privacy. , 2007, , .		3
50	Towards Privacy Taxonomy-Based Attack Tree Analysis for the Protection of Consumer Information Privacy. , 2008, , .		3
51	Bridging the gap between anonymous eâ€™mail and anonymous web browsing. Online Information Review, 2008, 32, 22-34.	2.2	3
52	Pattern-Based Approach for Logical Traffic Isolation Forensic Modelling. , 2009, , .		3
53	Finding File Fragments in the Cloud. International Federation for Information Processing, 2012, , 169-185.	0.4	3
54	Security steps for smartphone users. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
55	Forensic attribution in NoSQL databases. , 2017, , .		3
56	Extending SQL to Allow the Active Usage of Purposes. Lecture Notes in Computer Science, 2006, , 123-131.	1.0	3
57	A Comparison of Two Architectures for Implementing Security and Privacy in Cyberspace. Lecture Notes in Computer Science, 2000, , 287-302.	1.0	3
58	Evaluating the Authenticity of Smartphone Evidence. IFIP Advances in Information and Communication Technology, 2017, , 41-61.	0.5	3
59	Database Application Schema Forensics. South African Computer Journal, 0, 55, .	0.1	3
60	On the Scientific Maturity of Digital Forensics Research. IFIP Advances in Information and Communication Technology, 2013, , 33-49.	0.5	3
61	Security Policies in Replicated and Autonomous Databases. , 1999, , 93-107.		3
62	Applying The Biba Integrity Model to Evidence Management. , 2007, , 317-327.		3
63	Towards a configurable security architecture. Data and Knowledge Engineering, 2001, 38, 121-145.	2.1	2
64	Network forensics in a clean-slate Internet architecture. , 2011, , .		2
65	Analysing the fairness of trust-based Mobile Ad hoc Network protocols: Comparing the fairness of AODV and TAODV protocols in scenario driven simulations. , 2011, , .		2
66	Improving system availability with near-miss analysis. Network Security, 2012, 2012, 18-20.	0.6	2
67	Logical Traffic Isolation Using Differentiated Services. IFIP Advances in Information and Communication Technology, 2006, , 229-237.	0.5	2
68	Information Leakage in Ubiquitous Voice-over-IP Communications. Lecture Notes in Computer Science, 2006, , 233-242.	1.0	2
69	A Heuristic for Securing Hypertext Systems. IFIP Advances in Information and Communication Technology, 1995, , 43-54.	0.5	2
70	Integrity Constraints in Federated Databases. IFIP Advances in Information and Communication Technology, 1997, , 43-57.	0.5	2
71	Digital Forensic Science: A Manifesto. South African Computer Journal, 2016, 28, .	0.1	2
72	WorkFlow Analyzed for Security and Privacy in using Databases. International Federation for Information Processing, 2002, , 271-282.	0.4	1

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73	Advances in Digital Forensics II. IFIP Advances in Information and Communication Technology, 2006, , .	0.5	1
74	Detecting non-stereoscopic to stereoscopic image splicing with the use of disparity maps. , 2011, , .		1
75	Towards a digital forensic science. , 2015, , .		1
76	On the Morality of Teaching Students IT Crime Skills. , 2016, , .		1
77	Using Internal Depth to Aid Stereoscopic Image Splicing Detection. International Federation for Information Processing, 2012, , 319-333.	0.4	1
78	A Configurable Security Architecture Prototype. International Federation for Information Processing, 2002, , 51-62.	0.4	1
79	On the Completeness of Reconstructed Data for Database Forensics. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 220-238.	0.2	1
80	Catching the Bug: Pupils and Punched Cards in South Africa in the Late 1970s. IFIP Advances in Information and Communication Technology, 2014, , 291-301.	0.5	1
81	Using Workflow to Enhance Security in Federated Databases. IFIP Advances in Information and Communication Technology, 1996, , 60-71.	0.5	1
82	A Discretionary Security Model for Object-oriented Environments. IFIP Advances in Information and Communication Technology, 1996, , 306-316.	0.5	1
83	Preservation of Privacy in Thwarting the Ballot Stuffing Scheme. Lecture Notes in Computer Science, 2008, , 195-204.	1.0	1
84	Privacy Under Conditions of Concurrent Interaction with Multiple Parties. International Federation for Information Processing, 2004, , 105-118.	0.4	0
85	A comparison of simulated traffic conditioner performance. Computer Communications, 2008, 31, 3933-3940.	3.1	0
86	Emergency Privacy Measures. , 2009, , .		0
87	Enforcing Privacy by Withholding Private Information. IFIP Advances in Information and Communication Technology, 2000, , 421-430.	0.5	0
88	Maintaining Integrity Within Mobile Self Protecting Objects. , 2001, , 45-56.		0
89	Selected Summary of Discussions. , 2002, , 325-335.		0
90	A Comparison Between ConSA and Current Linux Security Implementations. , 2002, , 211-224.		0

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91	Wrappers – A Mechanism to Support State-Based Authorization in Web Applications. International Federation for Information Processing, 2002, , 149-160.	0.4	0
92	Implementing Workflow Systems. IFIP Advances in Information and Communication Technology, 2003, , 61-72.	0.5	0
93	MoFAC: A Model for Fine-grained Access Control. IFIP Advances in Information and Communication Technology, 1996, , 295-305.	0.5	0
94	–Die siel van die mier–: Reflections on the battle for –scholarly–™ intelligence. The Journal for Transdisciplinary Research in Southern Africa, 2015, 11, .	0.2	0
95	On the Morality of Teaching Students IT Crime Skills. Communications in Computer and Information Science, 2016, , 3-21.	0.4	0
96	Establishing Findings in Digital Forensic Examinations: A Case Study Method. IFIP Advances in Information and Communication Technology, 2017, , 3-21.	0.5	0
97	Evaluation of smartphone data using a reference architecture. International Journal of Electronic Security and Digital Forensics, 2019, 11, 160.	0.1	0
98	Patlet for Digital Forensics First Responders. Database and Expert Systems Applications (DEXA), Proceedings of the International Workshop on, 2007, , .	0.0	0