

# Vijay Laxmi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4149610/publications.pdf>

Version: 2024-02-01

174  
papers

1,992  
citations

516561

16  
h-index

395590

33  
g-index

180  
all docs

180  
docs citations

180  
times ranked

1570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Android Security: A Survey of Issues, Malware Penetration, and Defenses. IEEE Communications Surveys and Tutorials, 2015, 17, 998-1022.	24.8	402
2	AndroSimilar. , 2013, , .		91
3	Machine Learning Approach for Multiple Misbehavior Detection in VANET. Communications in Computer and Information Science, 2011, , 644-653.	0.4	84
4	Employing Program Semantics for Malware Detection. IEEE Transactions on Information Forensics and Security, 2015, 10, 2591-2604.	4.5	81
5	AndroSimilar: Robust signature for detecting variants of Android malware. Journal of Information Security and Applications, 2015, 22, 66-80.	1.8	61
6	MEDUSA. , 2010, , .		49
7	Comparing the Impact of Black Hole and Gray Hole Attack on LEACH in WSN. Procedia Computer Science, 2013, 19, 1101-1107.	1.2	41
8	Passive Marker Based Optical System for Gait Kinematics for Lower Extremity. Procedia Computer Science, 2015, 45, 176-185.	1.2	41
9	Energy efficient LEACH-C protocol for wireless sensor network. , 2013, , .		34
10	A sybil attack detection approach using neighboring vehicles in VANET. , 2011, , .		31
11	A novel defense mechanism against sybil attacks in VANET. , 2010, , .		29
12	Multi-constraints link stable multicast routing protocol in MANETs. Ad Hoc Networks, 2017, 63, 115-128.	3.4	29
13	Android inter-app communication threats and detection techniques. Computers and Security, 2017, 70, 392-421.	4.0	29
14	MOMENTUM: Metamorphic malware exploration techniques using MSA signatures. , 2012, , .		28
15	SWORD: Semantic aWare andrOid malwaRe Detector. Journal of Information Security and Applications, 2018, 42, 46-56.	1.8	27
16	A Node-Disjoint Multipath Routing Method Based on AODV Protocol for MANETs. , 2012, , .		24
17	Sybil attack detection in VANET using neighbouring vehicles. International Journal of Security and Networks, 2014, 9, 222.	0.1	24
18	DRACO. , 2015, , .		24

#	ARTICLE	IF	CITATIONS
19	Mining control flow graph as <i>API call-grams</i> to detect portable executable malware. , 2012, , .		22
20	Moralism: mobility prediction with link stability based multicast routing protocol in MANETs. Wireless Networks, 2017, 23, 663-679.	2.0	21
21	Energy Efficient Clustered Routing for Wireless Sensor Network. , 2013, , .		20
22	Evaluation of Android Anti-malware Techniques against Dalvik Bytecode Obfuscation. , 2014, , .		20
23	Bandwidth-aware routing and admission control for efficient video streaming over MANETs. Wireless Networks, 2015, 21, 95-114.	2.0	20
24	Performance analysis of MANET routing protocols for multimedia traffic. , 2011, , .		19
25	C-Routing: An adaptive hierarchical NoC routing methodology. , 2011, , .		19
26	Attack models and infrastructure supported detection mechanisms for position forging attacks in vehicular ad hoc networks. CSI Transactions on ICT, 2013, 1, 261-279.	0.7	19
27	A robust dynamic analysis system preventing SandBox detection by Android malware. , 2015, , .		19
28	JellyFish attack: Analysis, detection and countermeasure in TCP-based MANET. Journal of Information Security and Applications, 2015, 22, 99-112.	1.8	19
29	Misbehavior Detection Based on Ensemble Learning in VANET. Lecture Notes in Computer Science, 2012, , 602-611.	1.0	19
30	AndroTaint: An efficient android malware detection framework using dynamic taint analysis. , 2017, , .		18
31	EspyDroid+: Precise reflection analysis of android apps. Computers and Security, 2020, 90, 101688.	4.0	16
32	Performance Evaluation and Detection of Sybil Attacks in Vehicular Ad-Hoc Networks. Communications in Computer and Information Science, 2010, , 473-482.	0.4	15
33	ELBA: Efficient Layer Based Routing Algorithm in SDN. , 2016, , .		15
34	Enhancing QoE for video streaming in MANETs via multi-constraint routing. Wireless Networks, 2018, 24, 235-256.	2.0	15
35	Impact analysis of JellyFish attack on TCP-based mobile ad-hoc networks. , 2013, , .		14
36	Corner Detection Using Difference Chain Code as Curvature. , 2007, , .		13

#	ARTICLE	IF	CITATIONS
37	GA Based Congestion Aware Topology Generation for Application Specific NoC. , 2011, , .		13
38	Detection of incorrect position information using speed and time span verification in VANET. , 2012, , .		13
39	Static CFG analyzer for metamorphic Malware code. , 2009, , .		12
40	LSMRP: Link stability based multicast routing protocol in MANETs. , 2014, , .		12
41	Intersection Automata Based Model for Android Application Collusion. , 2016, , .		11
42	Position forging attacks in Vehicular Ad Hoc Networks: Implementation, impact and detection. , 2011, , .		10
43	DroidOLytics: Robust Feature Signature for Repackaged Android Apps on Official and Third Party Android Markets. , 2013, , .		10
44	d2-LBDR: Distance-Driven Routing to Handle Permanent Failures in 2D Mesh NoCs. , 2015, , .		10
45	FlowMine: Android app analysis via data flow. , 2016, , .		10
46	DroidAnalyst: Synergic App Framework for Static and Dynamic App Analysis. Studies in Computational Intelligence, 2016, , 519-552.	0.7	10
47	QoS-aware Mesh-based Multicast Routing Protocols in Edge Ad Hoc Networks: Concepts and Challenges. ACM Transactions on Internet Technology, 2022, 22, 1-27.	3.0	10
48	Effectiveness of state-of-the-art dynamic analysis techniques in identifying diverse Android malware and future enhancements. Advances in Computers, 2020, , 73-120.	1.2	10
49	Genetic algorithm based topology generation for application specific Network-on-Chip. , 2010, , .		9
50	Collusion attack resistance through forced MPR switching in OLSR. , 2010, , .		9
51	Behavioural detection with API call-gramsto identify malicious PE files. , 2012, , .		9
52	Speaker identification using optimal lip biometrics. , 2012, , .		9
53	MCF: MultiComponent Features for Malware Analysis. , 2013, , .		9
54	Multivariate verification for sybil attack detection in VANET. Open Computer Science, 2015, 5, 60-78.	1.3	9

#	ARTICLE	IF	CITATIONS
55	Colluding browser extension attack on user privacy and its implication for web browsers. Computers and Security, 2016, 63, 14-28.	4.0	9
56	ETGuard: Detecting D2D attacks using wireless Evil Twins. Computers and Security, 2019, 83, 389-405.	4.0	9
57	CARM: Congestion Adaptive Routing Method for On Chip Networks. , 2014, , .		8
58	Improved Route Selection Approaches using Q-learning framework for 2D NoCs. , 2015, , .		8
59	Improved multicast routing in MANETs using link stability and route stability. International Journal of Communication Systems, 2017, 30, e3243.	1.6	8
60	PEALâ€”Packed Executable Analysis. Lecture Notes in Computer Science, 2012, , 237-243.	1.0	8
61	The darker side of Firefox extension. , 2013, , .		7
62	An efficient block-discriminant identification of packed malware. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 1435-1456.	0.8	7
63	A Power Efficient Dual Link Mesh NoC Architecture to Support Nonuniform Traffic Arbitration at Routing Logic. , 2016, , .		7
64	Buyer seller watermarking protocol for digital rights management. , 2009, , .		6
65	Energy aware design methodologies for application specific NoC. , 2010, , .		6
66	Palmprint Matching Using LBP. , 2012, , .		6
67	Fault tolerant and highly adaptive routing for 2D NoCs. , 2014, , .		6
68	Secure and efficient proof of ownership for deduplicated cloud storage. , 2017, , .		6
69	A Survey on Energy Efficient Routing for Delay Minimization in IoT Networks. , 2018, , .		6
70	Improving Static Power Efficiency via Placement of Network Demultiplexer over Control Plane of Router in Multi-NoCs. , 2019, , .		6
71	S2DIO: an extended scalable 2D mesh network-on-chip routing reconfiguration for efficient bypass of link failures. Journal of Supercomputing, 2019, 75, 6855-6881.	2.4	6
72	You click, I steal: analyzing and detecting click hijacking attacks in web pages. International Journal of Information Security, 2019, 18, 481-504.	2.3	6

#	ARTICLE	IF	CITATIONS
73	Fast Feature Point Detector. , 2008, , .		5
74	Scattered Feature Space for Malware Analysis. Communications in Computer and Information Science, 2011, , 562-571.	0.4	5
75	Parallelizing TUNAMI-N1 Using GPGPU. , 2011, , .		5
76	SPADE. , 2012, , .		5
77	REFORM: Relevant Features for Malware Analysis. , 2012, , .		5
78	QoS-aware routing for transmission of H.264/SVC encoded video traffic over MANETs. , 2013, , .		5
79	A novel non-minimal turn model for highly adaptive routing in 2D NoCs. , 2014, , .		5
80	MimeoDroid: Large Scale Dynamic App Analysis on Cloned Devices via Machine Learning Classifiers. , 2016, , .		5
81	Secure Random Encryption for Deduplicated Storage. Lecture Notes in Computer Science, 2017, , 164-176.	1.0	5
82	DroidDivesDeep: Android Malware Classification via Low Level Monitorable Features with Deep Neural Networks. Communications in Computer and Information Science, 2019, , 125-139.	0.4	5
83	SneakLeak+: Large-scale klepto apps analysis. Future Generation Computer Systems, 2020, 109, 593-603.	4.9	5
84	TRACK: An algorithm for fault-tolerant, dynamic and scalable 2D mesh network-on-chip routing reconfiguration. The Integration VLSI Journal, 2020, 72, 92-110.	1.3	5
85	A collusion attack detection method for OLSR-based MANETS employing scruple packets. , 2010, , .		4
86	ERA: An Efficient Routing Algorithm for Power, Throughput and Latency in Network-on-Chips. Lecture Notes in Computer Science, 2010, , 481-490.	1.0	4
87	A Novel Attack Model Simulation in DSDV Routing. , 2011, , .		4
88	ESCAPE. , 2012, , .		4
89	Video streaming over MANETs: Testing and analysis using real-time emulation. , 2013, , .		4
90	Reconfigurable distributed fault tolerant routing algorithm for on-chip networks. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
91	NEAR-OPTIMAL GEOMETRIC FEATURE SELECTION FOR VISUAL SPEECH RECOGNITION. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1350026.	0.7	4
92	Distributed adaptive routing for spidergon NoC. , 2014, , .		4
93	C&lt;sup>2&lt;/sup>-DLM: Cache coherence aware dual link mesh for on-chip interconnect. , 2015, , .		4
94	Environmentâ€“Reactive Malware Behavior: Detection and Categorization. Lecture Notes in Computer Science, 2015, , 167-182.	1.0	4
95	MCLSPM: Multi-constraints link stable multicast routing protocol in adhoc networks. , 2016, , .		4
96	Detection of Information Leaks via Reflection in Android Apps. , 2017, , .		4
97	SneakLeak: Detecting Multipartite Leakage Paths in Android Apps. , 2017, , .		4
98	SniffDroid: Detection of Inter-App Privacy Leaks in Android. , 2017, , .		4
99	UAVs Reliable Transmission for Multicast Protocols in FANETs. , 2019, , .		4
100	Minimal Path, Fault Tolerant, QoS Aware Routing with Node and Link Failure in 2-D Mesh NoC. , 2010, , .		3
101	Acceleration of Functional Validation Using GPGPU. , 2011, , .		3
102	Irregular NoC simulation framework: IrNIRGAM. , 2011, , .		3
103	Relevant mRMR features for visual speech recognition. , 2012, , .		3
104	A rate adaptive and multipath routing protocol to support video streaming in MANETs. , 2012, , .		3
105	sandFOX. , 2015, , .		3
106	&#x03C3;LBDR: Congestion-aware logic based distributed routing for 2D NoC. , 2015, , .		3
107	sPECTRA: A precise framEwork for analyzing CrypTographic vulneRabilities in Android apps. , 2017, , .		3
108	Secure Proof of Ownership Using Merkle Tree for Deduplicated Storage. Automatic Control and Computer Sciences, 2020, 54, 358-370.	0.4	3

#	ARTICLE	IF	CITATIONS
109	Permuted Image DCT Watermarking. Advances in Intelligent and Soft Computing, 2010, , 163-171.	0.2	3
110	Lipreading Using n-Gram Feature Vector. Advances in Intelligent and Soft Computing, 2010, , 81-88.	0.2	3
111	Unsupervised Person Re-ID in Surveillance Feed Using Re-ranking. Communications in Computer and Information Science, 2019, , 179-192.	0.4	3
112	Traffic characterization for multicasting in NoC. , 2010, , .		2
113	A Traffic Model for Concurrent Core Tasks in Networks-on-Chip. , 2011, , .		2
114	Lip peripheral motion for visual surveillance. , 2012, , .		2
115	n-Gram modeling of relevant features for lip-reading. , 2012, , .		2
116	An adaptive cross-layer routing protocol for delay-sensitive applications over MANETs. , 2013, , .		2
117	Ns-3 emulation on ORBIT testbed. , 2013, , .		2
118	Exploring Worm Behaviors using DTW. , 2014, , .		2
119	A novel non-minimal/minimal turn model for highly adaptive routing in 2D NoCs. , 2014, , .		2
120	P-SPADE: GPU accelerated malware packer detection. , 2014, , .		2
121	Detecting malicious files using non-signature-based methods. International Journal of Information and Computer Security, 2014, 6, 199.	0.2	2
122	A framework for thermal aware reliability estimation in 2D NoC. , 2015, , .		2
123	Reducing FIFO buffer power using architectural alternatives at RTL. , 2016, , .		2
124	Resilient routing implementation in 2D mesh NoC. Microelectronics Reliability, 2016, 56, 189-201.	0.9	2
125	Detecting Inter-App Information Leakage Paths. , 2017, , .		2
126	A Power Efficient Crossbar Arbitration in Multi-NoC for Multicast and Broadcast Traffic. , 2018, , .		2



#	ARTICLE	IF	CITATIONS
127	Bloom Filter Based Privacy Preserving Deduplication System. Communications in Computer and Information Science, 2019, , 17-34.	0.4	2
128	Structural Fault Modelling in Nano Devices. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 6-10.	0.2	2
129	Robust Watermarking through Spatially Disjoint Transformations. Communications in Computer and Information Science, 2011, , 478-487.	0.4	2
130	Detection of SQLite Database Vulnerabilities in Android Apps. Lecture Notes in Computer Science, 2016, , 521-531.	1.0	2
131	Fast energy aware application specific Network-on-Chip topology generator. , 2010, , .		1
132	Difference steg-analysis for LSB embedding in images. , 2010, , .		1
133	Performance analysis of minimal path fault tolerant routing in NoC. Journal of Electronics, 2011, 28, 587-595.	0.2	1
134	Detour attack in OLSR. , 2011, , .		1
135	Acceleration of packet filtering using gpgpu. , 2011, , .		1
136	Detection attack analysis using partial watermark in DCT domain. , 2012, , .		1
137	Relevant hex patterns for malcode detection. , 2013, , .		1
138	Fault tolerant routing implementation mechanism for irregular 2D mesh NoCs. , 2014, , .		1
139	Analysis of Identity Forging Attack in MANETs. , 2014, , .		1
140	Impact analysis of attacks in multicast routing algorithms in MANETs. , 2014, , .		1
141	Fault tolerant adaptive XY routing for HPC mesh. , 2014, , .		1
142	Exploiting convergence characteristics to tackle collusion attacks in OLSR for Security and Communication Networks. Security and Communication Networks, 2014, 7, 108-122.	1.0	1
143	Improved adaptive routing for networksâ€œonâ€œchip. Electronics Letters, 2015, 51, 2092-2094.	0.5	1
144	CERI: Cost-Effective Routing Implementation Technique for Network-on-Chip. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
145	A Brief Comment on "A Complete Self-Testing and Self-Configuring NoC Infrastructure for Cost-Effective MPSoCs" [ACM Transactions on Embedded Computing Systems 12 (2013) Article 106]. Transactions on Embedded Computing Systems, 2015, 14, 1-9.	2.1	1
146	Visual Speech Recognition with Selected Boundary Descriptors. Studies in Computational Intelligence, 2016, , 367-383.	0.7	1
147	Flooding in secure wireless sensor networks. , 2017, , .		1
148	APPLADroid: Automaton Based Inter-app Privacy Leak Analysis for Android. Communications in Computer and Information Science, 2019, , 219-233.	0.4	1
149	Energy Scavenging Based Hybrid GSM Model for Mobile Towers. Advances in Intelligent Systems and Computing, 2014, , 343-349.	0.5	1
150	A Taxonomy of Browser Attacks. Advances in Digital Crime, Forensics, and Cyber Terrorism, 2015, , 291-313.	0.4	1
151	Development of a low-cost smart-card-based secure and reliable information exchange system with tamper-proofing features. International Journal of Product Development, 2008, 5, 176.	0.2	0
152	Conjoined Irregular Topology and Routing Table Generation for Network-on-Chip. , 2009, , .		0
153	Dynamic fault injection model for on-chip 2D mesh network. , 2014, , .		0
154	Highly adaptive and congestion-aware routing for 3D NoCs. , 2014, , .		0
155	DynaDroid. , 2015, , .		0
156	Android component vulnerabilities: Proof of concepts and mitigation. , 2016, , .		0
157	LBDR: generic congestion handling routing implementation for two-dimensional mesh network on-chip. IET Computers and Digital Techniques, 2016, 10, 226-232.	0.9	0
158	Balanced energy routing protocol for clustered wireless sensor network. International Journal of Information and Communication Technology, 2017, 11, 396.	0.1	0
159	Improving Leakage Path Coverage in Android Apps. , 2017, , .		0
160	Performance-Enhanced LBDR for 2D Mesh Network-on-Chip. Communications in Computer and Information Science, 2017, , 313-323.	0.4	0
161	A Power, Thermal and Reliability-Aware Network-on-Chip. , 2017, , .		0
162	Unraveling Reflection Induced Sensitive Leaks in Android Apps. Lecture Notes in Computer Science, 2018, , 49-65.	1.0	0

#	ARTICLE	IF	CITATIONS
163	Privacy Preserving Data Offloading Based on Transformation. Lecture Notes in Computer Science, 2019, , 86-92.	1.0	0
164	Broken Link Fraud in DSDV Routing - Detection and Countermeasure. Communications in Computer and Information Science, 2011, , 162-171.	0.4	0
165	A Rate Adaptation Scheme to Support QoS for H.264/SVC Encoded Video Streams over MANETs. Communications in Computer and Information Science, 2011, , 86-95.	0.4	0
166	Contribution of Oral Periphery on Visual Speech Intelligibility. Communications in Computer and Information Science, 2011, , 183-190.	0.4	0
167	Corner Detection to Capture Significant Two Dimensional Intensity Changes. , 2011, , .		0
168	Detection of Broken Link Fraud in DSDV Routing. , 2011, , 419-424.		0
169	Parameterized Path Based Randomized Oblivious Minimal Path Routing with Fault Tolerance in 2D Mesh Network on Chip. Advances in Intelligent and Soft Computing, 2012, , 63-70.	0.2	0
170	Fault Aware Dynamic Adaptive Routing Using LBDR. Communications in Computer and Information Science, 2013, , 304-311.	0.4	0
171	Speechreading using Modified Visual Feature Vectors. , 2013, , 292-315.		0
172	Security Challenges in Wireless Sensor Network. , 2016, , 1874-1899.		0
173	Secure and Energy-Efficient Routing for Cluster-Based Wireless Sensor Networks. Advances in Information Security, Privacy, and Ethics Book Series, 2018, , 24-46.	0.4	0
174	Visibility Enhancement in Surveillance images using Deep Multi-scale Feature Fusion. , 2021, , .		0