

Srikanth V Krishnamurthy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5522300/publications.pdf>

Version: 2024-02-01

148
papers

3,847
citations

304743

22
h-index

223800

46
g-index

151
all docs

151
docs citations

151
times ranked

2867
citing authors

#	ARTICLE	IF	CITATIONS
1	BigEye: Detection and Summarization of Key Global Events From Distributed Crowdsensed Data. IEEE Internet of Things Journal, 2022, 9, 9749-9765.	8.7	1
2	Themis. , 2021, , .		2
3	Boosting Home WiFi Throughputs via Adaptive DAS Clustering of PLC Extenders. , 2021, , .		3
4	You do (not) belong here. , 2020, , .		8
5	WOLT: Auto-Configuration of Integrated Enterprise PLC-WiFi Networks. , 2020, , .		2
6	Edge-Assisted Detection and Summarization of Key Global Events from Distributed Crowd-Sensed Data. , 2019, , .		1
7	PAPP. , 2019, , .		9
8	Figment: Fine-grained Permission Management for Mobile Apps. , 2019, , .		3
9	Catch Me if You Can: A Closer Look at Malicious Co-Residency on the Cloud. IEEE/ACM Transactions on Networking, 2019, 27, 560-576.	3.8	15
10	Frugal following. , 2019, , .		56
11	Employing attack graphs for intrusion detection. , 2019, , .		9
12	Off-Path TCP Exploits of the Challenge ACK Global Rate Limit. IEEE/ACM Transactions on Networking, 2018, 26, 765-778.	3.8	14
13	On the Detection of Adaptive Side-Channel Attackers in Cloud Environments. , 2018, , .		1
14	lotSan. , 2018, , .		87
15	A Framework for MIMO-based Packet Header Obfuscation. , 2018, , .		1
16	Characterization of Interference in OFDMA Small-Cell Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 7937-7954.	6.3	4
17	Droid M+. , 2018, , .		3
18	NEST: Efficient Transport of Data Summaries over Named Data Networks. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	TIDE: A User-Centric Tool for Identifying Energy Hungry Applications on Smartphones. IEEE/ACM Transactions on Networking, 2017, 25, 1459-1474.	3.8	9
20	TRINITY: Tailoring Wireless Transmission Strategies to User Profiles in Enterprise Wireless Networks. IEEE/ACM Transactions on Networking, 2017, 25, 910-924.	3.8	0
21	Energy Efficient Object Detection in Camera Sensor Networks. , 2017, , .		9
22	Jaal. , 2017, , .		8
23	Your state is not mine. , 2017, , .		27
24	Malicious co-residency on the cloud: Attacks and defense. , 2017, , .		33
25	Deceiving Network Reconnaissance Using SDN-Based Virtual Topologies. IEEE Transactions on Network and Service Management, 2017, 14, 1098-1112.	4.9	56
26	Managing Redundant Content in Bandwidth Constrained Wireless Networks. IEEE/ACM Transactions on Networking, 2017, 25, 988-1003.	3.8	8
27	ZapDroid: Managing Infrequently Used Applications on Smartphones. IEEE Transactions on Mobile Computing, 2017, 16, 1475-1489.	5.8	2
28	Accurate and Timely Situation Awareness Retrieval from a Bandwidth Constrained Camera Network. , 2017, , .		5
29	Enhancing WiFi Throughput with PLC Extenders: A Measurement Study. Lecture Notes in Computer Science, 2017, , 257-269.	1.3	3
30	Automated cross layer feature selection for effective intrusion detection in networked systems. , 2016, , .		1
31	Cyber Deception. , 2016, , .		47
32	Jammer localization in wireless networks: An experimentation-driven approach. Computer Communications, 2016, 86, 75-85.	5.1	18
33	Network coding efficiency in the presence of an intermittent backhaul network. , 2016, , .		1
34	Resource-aware fusion in multimodal sensing under network constraints. , 2016, , .		0
35	Optimal Monitor Placement for Detection of Persistent Threats. , 2016, , .		4
36	iBUS: An Integrated Beamformer and Uplink Scheduler for OFDMA Small Cells. IEEE/ACM Transactions on Networking, 2016, 24, 901-914.	3.8	4

#	ARTICLE	IF	CITATIONS
37	FluidNet: A Flexible Cloud-Based Radio Access Network for Small Cells. IEEE/ACM Transactions on Networking, 2016, 24, 915-928.	3.8	75
38	Forensic Analysis of Packet Losses in Wireless Networks. IEEE/ACM Transactions on Networking, 2016, 24, 1975-1988.	3.8	7
39	A Policy-Aware Enforcement Logic for Appropriately Invoking Network Coding. IEEE/ACM Transactions on Networking, 2016, 24, 2005-2018.	3.8	0
40	ZapDroid. , 2015, , .		7
41	Streaming Lower Quality Video over LTE: How Much Energy Can You Save?. , 2015, , .		8
42	BOLT. , 2015, , .		6
43	Detection of stealthy TCP-based DoS attacks. , 2015, , .		10
44	TIDE: A User-centric Tool for Identifying Energy Hungry Applications on Smartphones. , 2015, , .		5
45	A diagnosis based intrusion detection approach. , 2015, , .		0
46	CWC: A Distributed Computing Infrastructure Using Smartphones. IEEE Transactions on Mobile Computing, 2015, 14, 1587-1600.	5.8	25
47	Exploiting Subcarrier Agility to Alleviate Active Jamming Attacks in Wireless Networks. IEEE Transactions on Mobile Computing, 2015, 14, 2488-2501.	5.8	14
48	TRINITY. , 2015, , .		6
49	Self-Organizing Resource Management Framework in OFDMA Femtocells. IEEE Transactions on Mobile Computing, 2015, 14, 843-857.	5.8	18
50	A Distortion-Resistant Routing Framework for Video Traffic in Wireless Multihop Networks. IEEE/ACM Transactions on Networking, 2015, 23, 412-425.	3.8	5
51	Adaptive Sub-Carrier Level Power Allocation in OFDMA Networks. IEEE Transactions on Mobile Computing, 2015, 14, 28-41.	5.8	6
52	FlexiWeb. , 2015, , .		22
53	Resource Efficient Privacy Preservation of Online Social Media Conversations. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 233-255.	0.3	0
54	Secret message sharing using online social media. , 2014, , .		12

#	ARTICLE	IF	CITATIONS
55	Performance of visible light communications with dimming controls. , 2014, , .		4
56	Security and Science of Agility. , 2014, , .		30
57	Managing Redundant Content in Bandwidth Constrained Wireless Networks. , 2014, , .		10
58	A Resource Management System for Interference Mitigation in Enterprise OFDMA Femtocells. IEEE/ACM Transactions on Networking, 2013, 21, 1447-1460.	3.8	38
59	LIVOC-MAC: a MAC protocol for outdoor ultraviolet networks. Wireless Networks, 2013, 19, 1101-1120.	3.0	7
60	An integrated routing and rate adaptation framework for multi-rate multi-hop wireless networks. Wireless Networks, 2013, 19, 985-1003.	3.0	7
61	Realizing the Benefits of Wireless Network Coding in Multirate Settings. IEEE/ACM Transactions on Networking, 2013, 21, 950-962.	3.8	6
62	Topology Control for Effective Interference Cancellation in Multiuser MIMO Networks. IEEE/ACM Transactions on Networking, 2013, 21, 455-468.	3.8	15
63	Wireless network coding: Deciding when to flip the switch. , 2013, , .		4
64	On the trade-offs between collecting packet level forensic evidence and data delivery performance in wireless networks. , 2013, , .		0
65	ACORN: An Auto-Configuration Framework for 802.11n WLANs. IEEE/ACM Transactions on Networking, 2013, 21, 896-909.	3.8	29
66	Resource Allocation for QoS Support in Wireless Mesh Networks. IEEE Transactions on Wireless Communications, 2013, 12, 2046-2054.	9.2	16
67	Secret Key Extraction from Wireless Signal Strength in Real Environments. IEEE Transactions on Mobile Computing, 2013, 12, 917-930.	5.8	229
68	Mitigating malicious interference via subcarrier-level radio agility in wireless networks. , 2013, , .		1
69	Twitsper: Tweeting privately. IEEE Security and Privacy, 2013, 11, 46-50.	1.2	12
70	Resource thrifty secure mobile video transfers on open WiFi networks. , 2013, , .		1
71	FluidNet. , 2013, , .		60
72	Trading off distortion for delay for video transmissions in wireless networks. , 2013, , .		7

#	ARTICLE	IF	CITATIONS
73	A case for adaptive sub-carrier level power allocation in OFDMA networks. , 2012, , .		7
74	Design and implementation of an integrated beamformer and uplink scheduler for OFDMA femtocells. , 2012, , .		7
75	Enabling private conversations on Twitter. , 2012, , .		3
76	One strategy does not serve all. , 2012, , .		7
77	Experimental characterization of interference in OFDMA femtocell networks. , 2012, , .		6
78	Obtaining Provably Legitimate Internet Topologies. IEEE/ACM Transactions on Networking, 2012, 20, 271-284.	3.8	4
79	Link Positions Matter: A Noncommutative Routing Metric for Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2012, 11, 61-72.	5.8	29
80	Collaborative assessment of functional reliability in wireless networks. , 2012, , .		0
81	A distributed resource management framework for interference mitigation in OFDMA femtocell networks. , 2012, , .		20
82	VICO: A framework for configuring indoor visible light communication networks. , 2012, , .		11
83	Forensic analysis of packet losses in wireless networks. , 2012, , .		7
84	Network Coding Aware Queue Management in Multi-Rate Wireless Networks. , 2012, , .		7
85	Computing while charging. , 2012, , .		55
86	Distortion-Resilient Routing for Video Flows in Wireless Multi-hop Networks. , 2012, , .		3
87	Detection of Selfish Manipulation of Carrier Sensing in 802.11 Networks. IEEE Transactions on Mobile Computing, 2012, 11, 1086-1101.	5.8	13
88	Inferring user relationship from hidden information in WLANs. , 2012, , .		24
89	Coping with packet replay attacks in wireless networks. , 2011, , .		14
90	Detecting Route Attraction Attacks in Wireless Networks. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
91	A Measurement-Driven Anti-Jamming System for 802.11 Networks. IEEE/ACM Transactions on Networking, 2011, 19, 1208-1222.	3.8	32
92	MAC Layer Throughput Estimation in Impulse-Radio UWB Networks. IEEE Transactions on Mobile Computing, 2011, 10, 700-715.	5.8	1
93	Neighbor Discovery for Ultraviolet Ad Hoc Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 2002-2011.	14.0	27
94	Denial of Service Attacks in Wireless Networks: The Case of Jammers. IEEE Communications Surveys and Tutorials, 2011, 13, 245-257.	39.4	486
95	Directional neighbor discovery in 60 GHz indoor wireless networks. Performance Evaluation, 2011, 68, 897-915.	1.2	25
96	A software framework for alleviating the effects of MAC-aware jamming attacks in wireless access networks. Wireless Networks, 2011, 17, 1543-1560.	3.0	6
97	A novel neighbor discovery protocol for ultraviolet wireless networks. , 2011, , .		2
98	A Unified Metric for Routing and Rate Adaptation in Multi-Rate Wireless Mesh Networks. , 2011, , .		5
99	FERMI. , 2011, , .		52
100	Impact of security properties on the quality of information in tactical military networks. , 2010, , .		3
101	Auto-configuration of 802.11n WLANs. , 2010, , .		35
102	On the Efficacy of Frequency Hopping in Coping with Jamming Attacks in 802.11 Networks. IEEE Transactions on Wireless Communications, 2010, 9, 3258-3271.	9.2	38
103	A simple conceptual generator for the Internet graph. , 2010, , .		3
104	Measurement-Driven Guidelines for 802.11 WLAN Design. IEEE/ACM Transactions on Networking, 2010, 18, 722-735.	3.8	49
105	Quantifying the Overhead Due to Routing Probes in Multi-Rate WMNs. , 2010, , .		5
106	Topology Control for Effective Interference Cancellation in Multi-User MIMO Networks. , 2010, , .		16
107	UVOC-MAC: A MAC protocol for outdoor ultraviolet networks. , 2010, , .		9
108	Network Coding aware Rate Selection in multi-rate IEEE 802.11. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
109	A Framework for Joint Network Coding and Transmission Rate Control in Wireless Networks. , 2010, , .		22
110	On the Uplink Capacity of Hybrid Cellular Ad Hoc Networks. , 2010, , .		3
111	Lightweight Jammer Localization in Wireless Networks: System Design and Implementation. , 2009, , .		54
112	FJJ: Fighting Implicit Jamming in 802.11 WLANs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 21-40.	0.3	14
113	Directional neighbor discovery in 60 GHz indoor wireless networks. , 2009, , .		26
114	On the effectiveness of secret key extraction from wireless signal strength in real environments. , 2009, , .		362
115	Lord of the Links: A Framework for Discovering Missing Links in the Internet Topology. IEEE/ACM Transactions on Networking, 2009, 17, 391-404.	3.8	70
116	Joint resource allocation and admission control in wireless mesh networks. , 2009, , .		5
117	Message from the TPC chairs. , 2009, , .		0
118	ARES. , 2009, , .		42
119	Cluster-based congestion control for sensor networks. ACM Transactions on Sensor Networks, 2008, 4, 1-39.	3.6	34
120	Assessing link quality in IEEE 802.11 Wireless Networks: Which is the right metric?. , 2008, , .		113
121	Design and Deployment Considerations for High Performance MIMO Testbeds. , 2008, , .		16
122	Revisiting minimum cost reliable routing in wireless mesh networks. , 2007, , .		3
123	MDG. , 2007, , .		35
124	A Cross-Layer Framework for Exploiting Virtual MISO Links in Mobile Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2007, 6, 579-594.	5.8	134
125	Understanding and Exploiting the Trade-Offs between Broadcasting and Multicasting in Mobile Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2007, 6, 264-279.	5.8	15
126	A Blueprint for a Manageable and Affordable Wireless Testbed: Design, Pitfalls and Lessons Learned. , 2007, , .		11

#	ARTICLE	IF	CITATIONS
127	An Integrated Neighbor Discovery and MAC Protocol for Ad Hoc Networks Using Directional Antennas. IEEE Transactions on Wireless Communications, 2007, 6, 1114-1024.	9.2	126
128	Multiband Media Access Control in Impulse-Based UWB Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2007, 6, 351-366.	5.8	13
129	Routing amid Colluding Attackers. , 2007, , .		28
130	On broadcasting with cooperative diversity in multi-hop wireless networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 484-496.	14.0	63
131	DART: Dynamic Address Routing for Scalable Ad Hoc and Mesh Networks. IEEE/ACM Transactions on Networking, 2007, 15, 119-132.	3.8	100
132	Predictive channel reservation for handoff prioritization in wireless cellular networks. Computer Networks, 2007, 51, 798-822.	5.1	14
133	A novel adaptive protocol for lightweight efficient multicasting in ad hoc networks. Computer Networks, 2007, 51, 823-834.	5.1	9
134	Handling asymmetry in power heterogeneous ad hoc networks. Computer Networks, 2007, 51, 2594-2615.	5.1	18
135	An Integrated Scheme for Fully-Directional Neighbor Discovery and Topology Management in Mobile Ad hoc Networks. , 2006, , .		17
136	TrueLink: A Practical Countermeasure to the Wormhole Attack in Wireless Networks. , 2006, , .		105
137	On the MAC Layer Performance of Time-Hopped UWB Ad Hoc Networks. Computer Communications and Networks (IC3N), Proceedings of the IEEE International Conference on, 2006, , .	0.0	2
138	A new binary conflict resolution-based MAC protocol for impulse-based UWB ad hoc networks. Wireless Communications and Mobile Computing, 2006, 6, 933-949.	1.2	5
139	Application versus network layer multicasting in ad hoc networks: the ALMA routing protocol. Ad Hoc Networks, 2006, 4, 283-300.	5.5	40
140	Topology Control to Simultaneously Achieve Near-Optimal Node Degree and Low Path Stretch in Ad hoc Networks. , 2006, , .		6
141	Exploiting Diversity Gain in MIMO Equipped Ad hoc Networks. , 2006, , .		10
142	Improving TCP performance in ad hoc networks using signal strength based link management. Ad Hoc Networks, 2005, 3, 175-191.	5.5	52
143	Use of Smart Antennas in Ad Hoc Networks. , 2005, , 197-228.		4
144	A routing framework for providing robustness to node failures in mobile ad hoc networks. Ad Hoc Networks, 2004, 2, 87-107.	5.5	50

#	ARTICLE	IF	CITATIONS
145	Improving the Performance of TCP in the Presence of Interacting UDP Flows in Ad Hoc Networks. Lecture Notes in Computer Science, 2004, , 64-75.	1.3	7
146	Provision of guaranteed services in broadband LEO satellite networks. Computer Networks, 2002, 39, 61-77.	5.1	17
147	Trajectory control of mobile gateways for range extension in ad hoc networks. Computer Networks, 2002, 39, 809-825.	5.1	18
148	<title>Optimal selection of nodes to perform data fusion in wireless sensor networks</title>. , 2001, 4396, 53.		3