

# Seungwon Shin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2911036/publications.pdf>

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33  
papers

1,641  
citations

1163117

8  
h-index

940533

16  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1092  
citing authors

#	ARTICLE	IF	CITATIONS
1	AVANT-GUARD. , 2013, , .		437
2	A security enforcement kernel for OpenFlow networks. , 2012, , .		370
3	Attacking software-defined networks. , 2013, , .		250
4	Rosemary. , 2014, , .		152
5	Flow Wars: Systemizing the Attack Surface and Defenses in Software-Defined Networks. IEEE/ACM Transactions on Networking, 2017, 25, 3514-3530.	3.8	90
6	Enhancing Network Security through Software Defined Networking (SDN). , 2016, , .		76
7	DELTA: A Security Assessment Framework for Software-Defined Networks. , 2017, , .		65
8	SODA: A software-defined security framework for IoT environments. Computer Networks, 2019, 163, 106889.	5.1	27
9	A comprehensive security assessment framework for software-defined networks. Computers and Security, 2020, 91, 101720.	6.0	23
10	Vulnerabilities of network OS and mitigation with state-based permission system. Security and Communication Networks, 2015, , n/a-n/a.	1.5	17
11	GapFinder: Finding Inconsistency of Security Information From Unstructured Text. IEEE Transactions on Information Forensics and Security, 2021, 16, 86-99.	6.9	17
12	Automated Permission Model Generation for Securing SDN Control-Plane. IEEE Transactions on Information Forensics and Security, 2020, 15, 1668-1682.	6.9	13
13	MC-SDN: Supporting Mixed-Criticality Scheduling on Switched-Ethernet Using Software-Defined Networking. , 2018, , .		12
14	MC-SDN: Supporting Mixed-Criticality Real-Time Communication Using Software-Defined Networking. IEEE Internet of Things Journal, 2019, 6, 6325-6344.	8.7	9
15	Dynamic Control for On-Demand Interference-Managed WLAN Infrastructures. IEEE/ACM Transactions on Networking, 2020, 28, 84-97.	3.8	9
16	BottleNet: Hiding Network Bottlenecks Using SDN-Based Topology Deception. IEEE Transactions on Information Forensics and Security, 2021, 16, 3138-3153.	6.9	8
17	Vulcan: Automatic extraction and analysis of cyber threat intelligence from unstructured text. Computers and Security, 2022, 120, 102763.	6.0	8
18	INDAGO: A New Framework For Detecting Malicious SDN Applications. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
19	Software-Defined HoneyNet: Towards Mitigating Link Flooding Attacks. , 2017, , .		6
20	AEGIS. , 2018, , .		6
21	NOSArmor: Building a Secure Network Operating System. Security and Communication Networks, 2018, 2018, 1-14.	1.5	6
22	Operator-Defined Reconfigurable Network OS for Software-Defined Networks. IEEE/ACM Transactions on Networking, 2019, 27, 1206-1219.	3.8	5
23	Mobius: Packet Re-processing Hardware Architecture for Rich Policy Handling on a Network Processor. Journal of Network and Systems Management, 2021, 29, 1.	4.9	5
24	Duo: Software Defined Intrusion Tolerant System Using Dual Cluster. Security and Communication Networks, 2018, 2018, 1-13.	1.5	4
25	A Comprehensive Analysis of Today's Malware and Its Distribution Network: Common Adversary Strategies and Implications. IEEE Access, 2022, 10, 49566-49584.	4.2	4
26	Fault Tolerance for Software-Defined Networking in Smart Grid. , 2018, , .		3
27	AudiSDN: Automated Detection of Network Policy Inconsistencies in Software-Defined Networks. , 2020, , .		3
28	Understanding Block and Transaction Logs of Permissionless Blockchain Networks. Security and Communication Networks, 2021, 2021, 1-18.	1.5	3
29	A Framework for Policy Inconsistency Detection in Software-Defined Networks. IEEE/ACM Transactions on Networking, 2022, 30, 1410-1423.	3.8	3
30	Network Virtualization System for Smart Grid Data Acquisition System. , 2019, , .		1
31	Guest Editors's™ Introduction: Special Section on Security in Emerging Networking Technologies. IEEE Transactions on Dependable and Secure Computing, 2019, 16, 913-914.	5.4	1
32	Efficient Network Administration for Smart Grid Data Center. , 2020, , .		1
33	Bypass rewiring and extreme robustness of Eulerian networks. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 324-331.	2.6	0