

Shamik Sengupta

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

867
citations

16
h-index

24
g-index

90
ext. papers

1,131
ext. citations

4.5
avg, IF

4.86
L-index

#	Paper	IF	Citations
76	Blockchain-Enabled Intelligent Vehicular Edge Computing. <i>IEEE Network</i> , 2021 , 35, 125-131	11.4	10
75	ALICIA: Applied Intelligence in blockchain based VANET: Accident Validation as a Case Study. <i>Information Processing and Management</i> , 2021 , 58, 102508	6.3	4
74	A scalable blockchain based trust management in VANET routing protocol. <i>Journal of Parallel and Distributed Computing</i> , 2021 , 152, 144-156	4.4	16
73	Deep ensemble learning-based approach to real-time power system state estimation. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 129, 106806	5.1	6
72	Moving Target Defense Games for Cyber Security: Theory and Applications 2021 , 160-179		0
71	Optimal UAV Positioning for a Temporary Network Using an Iterative Genetic Algorithm 2020 ,		2
70	Toward Robust Outlier Detector for Internet of Things Applications 2020 , 615-634		
69	Scalable and Robust Outlier Detector using Hierarchical Clustering and Long Short-Term Memory (LSTM) Neural Network for the Internet of Things. <i>Internet of Things (Netherlands)</i> , 2020 , 9, 100167	6.9	8
68	Area-Optimized UAV Swarm Network for Search and Rescue Operations 2020 ,		8
67	COP: An integrated Communication, Optimization, and Prediction unit for smart Plug-in Electric Vehicle Charging. <i>Internet of Things (Netherlands)</i> , 2020 , 9, 100148	6.9	7
66	In-band LOS discovery using highly directional transceivers. <i>Ad Hoc Networks</i> , 2019 , 91, 101875	4.8	2
65	Privacy Preserving Cyber Threat Information Sharing and Learning for Cyber Defense 2019 ,		9
64	Cuckoo Malware Threat Scoring and Classification: Friend or Foe? 2019 ,		1
63	Random Forest Twitter Bot Classifier 2019 ,		4
62	Distributed allocation and dynamic reassignment of channels in UAV networks for wireless coverage. <i>Pervasive and Mobile Computing</i> , 2019 , 54, 58-70	3.5	7
61	Dynamic self-reconfiguration of unmanned aerial vehicles to serve overloaded hotspot cells. <i>Computers and Electrical Engineering</i> , 2019 , 75, 77-89	4.3	4
60	Vulnerability Analysis of AR.Drone 2.0, an Embedded Linux System 2019 ,		4

59	Pooling Approach for Task Allocation in the Blockchain Based Decentralized Storage Network 2019 ,		11
58	Fair and private rewarding in a coalitional game of cybersecurity information sharing. <i>IET Information Security</i> , 2019 , 13, 530-540	1.4	7
57	A Coalitional Cyber-Insurance Framework for a Common Platform. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 1526-1538	8	22
56	Smart plug-in electric vehicle charging to reduce electric load variation at a parking place 2018 ,		6
55	Distributed adaptive beam nulling to survive against jamming in 3D UAV mesh networks. <i>Computer Networks</i> , 2018 , 137, 83-97	5.4	5
54	Software-defined network based resource allocation in distributed servers for unmanned aerial vehicles 2018 ,		5
53	Establishing evolutionary game models for CYBer security information EXchange (CYBEX). <i>Journal of Computer and System Sciences</i> , 2018 , 98, 27-52	1	21
52	CR-Honeynet: A Cognitive Radio Learning and Decoy-Based Sustenance Mechanism to Avoid Intelligent Jammer. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2018 , 4, 567-581	6.6	7
51	Unmanned Aerial Vehicles Positioning Scheme for First-Responders in a Dynamic Area of Interest 2018 ,		2
50	Automated Structured Threat Information Expression (STIX) Document Generation with Privacy Preservation 2018 ,		6
49	Search and Rescue Operations with Mesh Networked Robots 2018 ,		3
48	Crowdfunding the Insurance of a Cyber-Product Using Blockchain 2018 ,		15
47	Analysis and Detection of Outliers due to Data Falsification Attacks in Vehicular Traffic Prediction Application 2018 ,		3
46	Sharing Susceptible Passwords as Cyber Threat Intelligence Feed 2018 ,		10
45	A game-theoretic and stochastic survivability mechanism against induced attacks in Cognitive Radio Networks. <i>Pervasive and Mobile Computing</i> , 2017 , 40, 577-592	3.5	7
44	Distributed adaptive beam nulling to mitigate jamming in 3D UAV mesh networks 2017 ,		3
43	Understanding the feasibility of machine learning algorithms in a game theoretic environment for dynamic spectrum access 2017 ,		3
42	Risk Management Using Cyber-Threat Information Sharing and Cyber-Insurance. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 154-164 ^{0.2}		9

41	Implementation of interface agility for duplex dynamic spectrum access radio using USRP 2017 ,	2
40	A novel software-defined network based approach for charging station allocation to plugged-in electric vehicles 2017 ,	5
39	Attribute based sharing in cybersecurity information exchange framework 2017 ,	14
38	Attacks detection in SCADA systems using an improved non-nested generalized exemplars algorithm 2017 ,	3
37	Dynamic deployment of UAV-enabled floating access points for serving hot zones 2017 ,	5
36	A coalitional game theory approach for cybersecurity information sharing 2017 ,	18
35	Privacy-preserving cybersecurity information exchange mechanism 2017 ,	20
34	3-Way game model for privacy-preserving cybersecurity information exchange framework 2017 ,	16
33	Implementation of 3D Obstacle Compliant Mobility Models for UAV Networks in ns-3 2016 ,	9
32	Adaptive beam nulling in multihop ad hoc networks against a jammer in motion. <i>Computer Networks</i> , 2016 , 109, 50-66	5-4 9
31	LOS discovery in 3D for highly directional transceivers 2016 ,	4
30	Performance analysis of CR-honeynet to prevent jamming attack through stochastic modeling. <i>Pervasive and Mobile Computing</i> , 2015 , 21, 133-149	3-5 8
29	Heterogeneous access network(s) selection in multi-interface radio devices 2015 ,	5
28	Enhancement of spectrum utilization in non-contiguous DSA with online defragmentation 2015 ,	2
27	Cyber-Threats Information Sharing in Cloud Computing: A Game Theoretic Approach 2015 ,	17
26	Performance of Adaptive Beam Nulling in Multihop Ad-Hoc Networks under Jamming 2015 ,	2
25	Distributed and cheat-proof spectrum contention scheme for IEEE 802.22 WRAN networks 2015 ,	2
24	Cyber-Investment and Cyber-Information Exchange Decision Modeling 2015 ,	15

23	Exploiting Channel Fragmentation and Aggregation/Bonding to Create Security Vulnerabilities. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 3867-3874	6.8	24
22	PriceBandwidth dynamics for WSPs in heterogeneous wireless networks. <i>Physical Communication</i> , 2014 , 12, 63-78	2.2	4
21	CR-Honeynet: A Learning & Decoy Based Sustenance Mechanism against Jamming Attack in CRN 2014 ,		5
20	Self-coexistence among interference-aware IEEE 802.22 networks with enhanced air-interface. <i>Pervasive and Mobile Computing</i> , 2013 , 9, 454-471	3.5	21
19	SpiderRadio: A Cognitive Radio Implementation Using IEEE 802.11 Components. <i>IEEE Transactions on Mobile Computing</i> , 2013 , 12, 2105-2118	4.6	5
18	Vulnerabilities in cognitive radio networks: A survey. <i>Computer Communications</i> , 2013 , 36, 1387-1398	5.1	55
17	Analysis of Coordinated Denial-of-Service Attacks in IEEE 802.22 Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 890-902	14.2	19
16	SpiderRadio: A cognitive radio network with commodity hardware and open source software 2011 , 49, 101-109		10
15	Is Channel Fragmentation/bonding in IEEE 802.22 Networks Secure? 2011 ,		10
14	Using Sybil Identities for Primary User Emulation and Byzantine Attacks in DSA Networks 2011 ,		1
13	Spectrum Stealing via Sybil Attacks in DSA Networks: Implementation and Defense 2011 ,		4
12	Cross-Layer MAC Enabling Virtual Link for Multi-Hop Routing in Wireless Ad Hoc Networks 2010 ,		4
11	SpiderRadio: An Incumbent Sensing Implementation for Cognitive Radio Networking Using IEEE 802.11 Devices 2010 ,		5
10	Coordinated Denial-of-Service Attacks in IEEE 802.22 Networks 2010 ,		5
9	An Attack-Defense Game Theoretic Analysis of Multi-Band Wireless Covert Timing Networks 2010 ,		8
8	Dynamic pricing for service provisioning and network selection in heterogeneous networks. <i>Physical Communication</i> , 2009 , 2, 138-150	2.2	19
7	An Economic Framework for Dynamic Spectrum Access and Service Pricing. <i>IEEE/ACM Transactions on Networking</i> , 2009 , 17, 1200-1213	3.8	105
6	. <i>IEEE Transactions on Computers</i> , 2008 , 57, 145-156	2.5	41

5	A Coordinated Distributed Scheme for Cognitive Radio Based IEEE 802.22 Wireless Mesh Networks 2008,		6
4	A Game Theoretic Framework for Distributed Self-Coexistence Among IEEE 802.22 Networks 2008,		36
3	Designing Auction Mechanisms for Dynamic Spectrum Access. <i>Mobile Networks and Applications,</i> 2008, 13, 498-515	2.9	39
2	Feedback-based real-time streaming over WiMax. <i>IEEE Wireless Communications,</i> 2007, 14, 64-71	13.4	27
1	Differential FEC and ARQ for Radio Link Protocols. <i>IEEE Transactions on Computers,</i> 2006, 55, 1458-1472	2.5	4