Shamik Sengupta

List of Publications by Citations

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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	An Economic Framework for Dynamic Spectrum Access and Service Pricing. *IEEE/ACM Transactions on Networking*, **2009**, 17, 1200-1213	3.8	105
75	Vulnerabilities in cognitive radio networks: A survey. *Computer Communications*, **2013**, 36, 1387-1398	5.1	55
74	. *IEEE Transactions on Computers*, **2008**, 57, 145-156	2.5	41
73	Designing Auction Mechanisms for Dynamic Spectrum Access. *Mobile Networks and Applications*, **2008**, 13, 498-515	2.9	39
72	A Game Theoretic Framework for Distributed Self-Coexistence Among IEEE 802.22 Networks **2008**,		36
71	Feedback-based real-time streaming over WiMax. *IEEE Wireless Communications*, **2007**, 14, 64-71	13.4	27
70	Exploiting Channel Fragmentation and Aggregation/Bonding to Create Security Vulnerabilities. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 3867-3874	6.8	24
69	A Coalitional Cyber-Insurance Framework for a Common Platform. *IEEE Transactions on Information Forensics and Security*, **2019**, 14, 1526-1538	8	22
68	Establishing evolutionary game models for CYBer security information EXchange (CYBEX). *Journal of Computer and System Sciences*, **2018**, 98, 27-52	1	21
67	Self-coexistence among interference-aware IEEE 802.22 networks with enhanced air-interface. *Pervasive and Mobile Computing*, **2013**, 9, 454-471	3.5	21
66	Privacy-preserving cybersecurity information exchange mechanism **2017**,		20
65	Analysis of Coordinated Denial-of-Service Attacks in IEEE 802.22 Networks. *IEEE Journal on Selected Areas in Communications*, **2011**, 29, 890-902	14.2	19
64	Dynamic pricing for service provisioning and network selection in heterogeneous networks. *Physical Communication*, **2009**, 2, 138-150	2.2	19
63	A coalitional game theory approach for cybersecurity information sharing **2017**,		18
62	Cyber-Threats Information Sharing in Cloud Computing: A Game Theoretic Approach **2015**,		17
61	3-Way game model for privacy-preserving cybersecurity information exchange framework **2017**,		16
60	A scalable blockchain based trust management in VANET routing protocol. *Journal of Parallel and Distributed Computing*, **2021**, 152, 144-156	4.4	16

59	Cyber-Investment and Cyber-Information Exchange Decision Modeling **2015**,		15
58	Crowdfunding the Insurance of a Cyber-Product Using Blockchain **2018**,		15
57	Attribute based sharing in cybersecurity information exchange framework **2017**,		14
56	Pooling Approach for Task Allocation in the Blockchain Based Decentralized Storage Network **2019** ,		11
55	SpiderRadio: A cognitive radio network with commodity hardware and open source software **2011**, 49, 101-109		10
54	Is Channel Fragmentation/bonding in IEEE 802.22 Networks Secure? **2011**,		10
53	Blockchain-Enabled Intelligent Vehicular Edge Computing. *IEEE Network*, **2021**, 35, 125-131	11.4	10
52	Sharing Susceptible Passwords as Cyber Threat Intelligence Feed **2018**,		10
51	Risk Management Using Cyber-Threat Information Sharing and Cyber-Insurance. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2017**, 154-164	0.2	9
50	Privacy Preserving Cyber Threat Information Sharing and Learning for Cyber Defense **2019**,		9
49	Implementation of 3D Obstacle Compliant Mobility Models for UAV Networks in ns-3 **2016**,		9
48	Adaptive beam nulling in multihop ad hoc networks against a jammer in motion. *Computer Networks*, **2016**, 109, 50-66	5.4	9
47	Performance analysis of CR-honeynet to prevent jamming attack through stochastic modeling. *Pervasive and Mobile Computing*, **2015**, 21, 133-149	3.5	8
46	Scalable and Robust Outlier Detector using Hierarchical Clustering and Long Short-Term Memory (LSTM) Neural Network for the Internet of Things. *Internet of Things (Netherlands)*, **2020**, 9, 100167	6.9	8
45	Area-Optimized UAV Swarm Network for Search and Rescue Operations **2020**,		8
44	An Attack-Defense Game Theoretic Analysis of Multi-Band Wireless Covert Timing Networks **2010**,		8
43	A game-theoretic and stochastic survivability mechanism against induced attacks in Cognitive Radio Networks. *Pervasive and Mobile Computing*, **2017**, 40, 577-592	3.5	7
42	Distributed allocation and dynamic reassignment of channels in UAV networks for wireless coverage. *Pervasive and Mobile Computing*, **2019**, 54, 58-70	3.5	7

41	CR-Honeynet: A Cognitive Radio Learning and Decoy-Based Sustenance Mechanism to Avoid Intelligent Jammer. *IEEE Transactions on Cognitive Communications and Networking*, **2018**, 4, 567-581	6.6	7
40	COP: An integrated Communication, Optimization, and Prediction unit for smart Plug-in Electric Vehicle Charging. *Internet of Things (Netherlands)*, **2020**, 9, 100148	6.9	7
39	Fair and private rewarding in a coalitional game of cybersecurity information sharing. *IET Information Security*, **2019**, 13, 530-540	1.4	7
38	Smart plug-in electric vehicle charging to reduce electric load variation at a parking place **2018**,		6
37	A Coordinated Distributed Scheme for Cognitive Radio Based IEEE 802.22 Wireless Mesh Networks **2008**,		6
36	Deep ensemble learning-based approach to real-time power system state estimation. *International Journal of Electrical Power and Energy Systems*, **2021**, 129, 106806	5.1	6
35	Automated Structured Threat Information Expression (STIX) Document Generation with Privacy Preservation **2018**,		6
34	Heterogeneous access network(s) selection in multi-interface radio devices **2015**,		5
33	Distributed adaptive beam nulling to survive against jamming in 3D UAV mesh networks. *Computer Networks*, **2018**, 137, 83-97	5.4	5
32	Software-defined network based resource allocation in distributed servers for unmanned aerial vehicles **2018**,		5
31	SpiderRadio: A Cognitive Radio Implementation Using IEEE 802.11 Components. *IEEE Transactions on Mobile Computing*, **2013**, 12, 2105-2118	4.6	5
30	A novel software-defined network based approach for charging station allocation to plugged-in electric vehicles **2017**,		5
29	Dynamic deployment of UAV-enabled floating access points for serving hot zones **2017**,		5
28	CR-Honeynet: A Learning & Decoy Based Sustenance Mechanism against Jamming Attack in CRN **2014**,		5
27	SpiderRadio: An Incumbent Sensing Implementation for Cognitive Radio Networking Using IEEE 802.11 Devices **2010**,		5
26	Coordinated Denial-of-Service Attacks in IEEE 802.22 Networks **2010**,		5
25	Random Forest Twitter Bot Classifier **2019**,		4
24	Dynamic self-reconfiguration of unmanned aerial vehicles to serve overloaded hotspot cells. *Computers and Electrical Engineering*, **2019**, 75, 77-89	4.3	4

23	Vulnerability Analysis of AR.Drone 2.0, an Embedded Linux System **2019**,		4
22	Price Bandwidth dynamics for WSPs in heterogeneous wireless networks. *Physical Communication*, **2014**, 12, 63-78	2.2	4
21	Cross-Layer MAC Enabling Virtual Link for Multi-Hop Routing in Wireless Ad Hoc Networks **2010**,		4
20	Spectrum Stealing via Sybil Attacks in DSA Networks: Implementation and Defense **2011**,		4
19	Differential FEC and ARQ for Radio Link Protocols. *IEEE Transactions on Computers*, **2006**, 55, 1458-1472	2.5	4
18	ALICIA: Applied Intelligence in blockchain based VANET: Accident Validation as a Case Study. *Information Processing and Management*, **2021**, 58, 102508	6.3	4
17	LOS discovery in 3D for highly directional transceivers **2016**,		4
16	Distributed adaptive beam nulling to mitigate jamming in 3D UAV mesh networks **2017**,		3
15	Understanding the feasibility of machine learning algorithms in a game theoretic environment for dynamic spectrum access **2017**,		3
14	Attacks detection in SCADA systems using an improved non-nested generalized exemplars algorithm **2017**,		3
13	Search and Rescue Operations with Mesh Networked Robots **2018**,		3
12	Analysis and Detection of Outliers due to Data Falsification Attacks in Vehicular Traffic Prediction Application **2018**,		3
11	In-band LOS discovery using highly directional transceivers. *Ad Hoc Networks*, **2019**, 91, 101875	4.8	2
10	Optimal UAV Positioning for a Temporary Network Using an Iterative Genetic Algorithm **2020**,		2
9	Implementation of interface agility for duplex dynamic spectrum access radio using USRP **2017**,		2
8	Enhancement of spectrum utilization in non-contiguous DSA with online defragmentation **2015**,		2
7	Performance of Adaptive Beam Nulling in Multihop Ad-Hoc Networks under Jamming **2015**,		2
6	Distributed and cheat-proof spectrum contention scheme for IEEE 802.22 WRAN networks **2015**,		2

5	Unmanned Aerial Vehicles Positioning Scheme for First-Responders in a Dynamic Area of Interest **2018**,	2
4	Cuckoo Malware Threat Scoring and Classification: Friend or Foe? **2019**,	1
3	Using Sybil Identities for Primary User Emulation and Byzantine Attacks in DSA Networks **2011**,	1
2	Moving Target Defense Games for Cyber Security: Theory and Applications **2021**, 160-179	0
1	Toward Robust Outlier Detector for Internet of Things Applications **2020**, 615-634	