Ana Lucila Sandoval Orozco

List of Publications by Year
in descending order

84 papers	1,026 citations	516561 16 h-index	477173 29 g-index
85 all docs	85 docs citations	85 times ranked	843 citing authors

#	Article	IF	Citations
1	Routing Protocols in Wireless Sensor Networks. Sensors, 2009, 9, 8399-8421.	2.1	171
2	Adaptive artificial immune networks for mitigating DoS flooding attacks. Swarm and Evolutionary Computation, 2018, 38, 94-108.	4.5	69
3	Analysis of the GPS Spoofing Vulnerability in the Drone 3DR Solo. IEEE Access, 2019, 7, 51782-51789.	2.6	60
4	Synthetic Minority Oversampling Technique for Optimizing Classification Tasks in Botnet and Intrusion-Detection-System Datasets. Applied Sciences (Switzerland), 2020, 10, 794.	1.3	46
5	The 51% Attack on Blockchains: A Mining Behavior Study. IEEE Access, 2021, 9, 140549-140564.	2.6	41
6	Smartphone image clustering. Expert Systems With Applications, 2015, 42, 1927-1940.	4.4	33
7	Auto-Configuration Protocols in Mobile Ad Hoc Networks. Sensors, 2011, 11, 3652-3666.	2.1	28
8	Bio-inspired routing protocol for mobile ad hoc networks. IET Communications, 2010, 4, 2187.	1.5	27
9	Distributed Dynamic Host Configuration Protocol (D2HCP). Sensors, 2011, 11, 4438-4461.	2.1	26
10	A PRNU-based counter-forensic method to manipulate smartphone image source identification techniques. Future Generation Computer Systems, 2017, 76, 418-427.	4.9	25
11	A security framework for Ethereum smart contracts. Computer Communications, 2021, 172, 119-129.	3.1	25
12	Identification of smartphone brand and model via forensic video analysis. Expert Systems With Applications, 2016, 55, 59-69.	4.4	20
13	An Analysis of Smart Contracts Security Threats Alongside Existing Solutions. Entropy, 2020, 22, 203.	1.1	20
14	Online masquerade detection resistant to mimicry. Expert Systems With Applications, 2016, 61, 162-180.	4.4	18
15	Alert correlation framework for malware detection by anomaly-based packet payload analysis. Journal of Network and Computer Applications, 2017, 97, 11-22.	5.8	17
16	Digital Image Tamper Detection Technique Based on Spectrum Analysis of CFA Artifacts. Sensors, 2018, 18, 2804.	2.1	17
17	Digital Images Authentication Technique Based on DWT, DCT and Local Binary Patterns. Sensors, 2018, 18, 3372.	2.1	17
18	Copy-move forgery detection technique based on discrete cosine transform blocks features. Neural Computing and Applications, 2021, 33, 4713-4727.	3.2	17

#	Article	IF	Citations
19	Digital Video Source Identification Based on Containerâ€™s Structure Analysis. IEEE Access, 2020, 8, 36363-36375.	2.6	16
20	Malware Detection System by Payload Analysis of Network Traffic. IEEE Latin America Transactions, 2015, 13, 850-855.	1.2	15
21	Leveraging information security and computational trust for cybersecurity. Journal of Supercomputing, 2016, 72, 3729-3763.	2.4	15
22	Outdoor Location of Mobile Devices Using Trilateration Algorithms for Emergency Services. IEEE Access, 2019, 7, 52052-52059.	2.6	15
23	Mirror saturation in amplified reflection Distributed Denial of Service: A case of study using SNMP, SSDP, NTP and DNS protocols. Future Generation Computer Systems, 2020, 108, 68-81.	4.9	15
24	Passive Image Forgery Detection Based on the Demosaicing Algorithm and JPEG Compression. IEEE Access, 2020, 8, 11815-11823.	2.6	14
25	A machine learning forensics technique to detect post-processing in digital videos. Future Generation Computer Systems, 2020, 111, 199-212.	4.9	13
26	Vehicle Counting in Video Sequences: An Incremental Subspace Learning Approach. Sensors, 2019, 19, 2848.	2.1	12
27	Authentication and integrity of smartphone videos through multimedia container structure analysis. Future Generation Computer Systems, 2020, 108, 15-33.	4.9	11
28	Source identification for mobile devices, based on wavelet transforms combined with sensor imperfections. Computing (Vienna/New York), 2014, 96, 829-841.	3.2	10
29	Analysis of errors in exif metadata on mobile devices. Multimedia Tools and Applications, 2015, 74, 4735-4763.	2.6	10
30	Image source acquisition identification of mobile devices based on the use of features. Multimedia Tools and Applications, 2016, 75, 7087-7111.	2.6	10
31	Ransomware Automatic Data Acquisition Tool. IEEE Access, 2018, 6, 55043-55052.	2.6	10
32	EBVBF: Energy Balanced Vector Based Forwarding Protocol. IEEE Access, 2019, 7, 54273-54284.	2.6	10
33	Hybrid ACO Routing Protocol for Mobile Ad Hoc Networks. International Journal of Distributed Sensor Networks, 2013, 9, 265485.	1.3	9
34	Early Fire Detection on Video Using LBP and Spread Ascending of Smoke. Sustainability, 2019, 11, 3261.	1.6	9
35	Smartphone image acquisition forensics using sensor fingerprint. IET Computer Vision, 2015, 9, 723-731.	1.3	8
36	Advanced Payload Analyzer Preprocessor. Future Generation Computer Systems, 2017, 76, 474-485.	4.9	8

#	Article	IF	Citations
37	Methodology for Forensics Data Reconstruction on Mobile Devices with Android Operating System Applying In-System Programming and Combination Firmware. Applied Sciences (Switzerland), 2020, 10, 4231.	1.3	8
38	Image tampering detection by estimating interpolation patterns. Future Generation Computer Systems, 2020, 107, 229-237.	4.9	8
39	E-D2HCP: enhanced distributed dynamic host configuration protocol. Computing (Vienna/New York), 2014, 96, 777-791.	3.2	7
40	A Family of ACO Routing Protocols for Mobile Ad Hoc Networks. Sensors, 2017, 17, 1179.	2.1	7
41	Security Issues in Mobile Ad Hoc Networks. International Journal of Distributed Sensor Networks, 2012, 8, 818054.	1.3	6
42	A Layered Trust Information Security Architecture. Sensors, 2014, 14, 22754-22772.	2.1	6
43	Compression effects and scene details on the source camera identification of digital videos. Expert Systems With Applications, 2021, 170, 114515.	4.4	6
44	Digital Video Manipulation Detection Technique Based on Compression Algorithms. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2596-2605.	4.7	6
45	Secure extension to the optimised link state routing protocol. IET Information Security, 2011, 5, 163.	1.1	5
46	Malware Detection System by Payload Analysis of Network Traffic (Poster Abstract). Lecture Notes in Computer Science, 2012, , 397-398.	1.0	5
47	An Efficient Algorithm for Searching Optimal Shortened Cyclic Single-Burst-Correcting Codes. IEEE Communications Letters, 2012, 16, 89-91.	2.5	5
48	Estimation of Anonymous Email Network Characteristics through Statistical Disclosure Attacks. Sensors, 2016, 16, 1832.	2.1	5
49	A comparison of learning methods over raw data: forecasting cab services market share in New York City. Multimedia Tools and Applications, 2019, 78, 29783-29804.	2.6	5
50	A survey of artificial intelligence strategies for automatic detection of sexually explicit videos. Multimedia Tools and Applications, 2022, 81, 3205-3222.	2.6	5
51	A distributed QoS mechanism for ad hoc network. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 11, 25.	0.3	4
52	Adaptive routing protocol for mobile ad hoc networks. Computing (Vienna/New York), 2014, 96, 817-827.	3.2	4
53	Disclosing user relationships in email networks. Journal of Supercomputing, 2016, 72, 3787-3800.	2.4	4
54	Hy-SAIL: Hyper-Scalability, Availability and Integrity Layer for Cloud Storage Systems. IEEE Access, 2019, 7, 90082-90093.	2.6	4

#	Article	IF	Citations
55	Digital Video Source Acquisition Forgery Technique Based on Pattern Sensor Noise Extraction. IEEE Access, 2019, 7, 157363-157373.	2.6	4
56	Extracting Association Patterns in Network Communications. Sensors, 2015, 15, 4052-4071.	2.1	3
57	A traffic analysis attack to compute social network measures. Multimedia Tools and Applications, 2019, 78, 29731-29745.	2.6	3
58	A Zone-Based Media Independent Information Service for IEEE 802.21 Networks. International Journal of Distributed Sensor Networks, 2014, 10, 737218.	1.3	2
59	Quantitative Criteria for Alert Correlation of Anomalies-based NIDS. IEEE Latin America Transactions, 2015, 13, 3461-3466.	1.2	2
60	On multiple burst-correcting MDS codes. Journal of Computational and Applied Mathematics, 2016, 295, 170-174.	1.1	2
61	Endpoint Security in Networks: An OpenMP Approach for Increasing Malware Detection Speed. Symmetry, 2017, 9, 172.	1.1	2
62	Securing Instant Messages With Hardware-Based Cryptography and Authentication in Browser Extension. IEEE Access, 2020, 8, 95137-95152.	2.6	2
63	IoT-based security service for the documentary chain of custody. Sustainable Cities and Society, 2021, 71, 102940.	5.1	2
64	A Comparison Study between AntOR-Disjoint Node Routing and AntOR-Disjoint Link Routing for Mobile Ad Hoc Networks. Communications in Computer and Information Science, 2011, , 300-304.	0.4	2
65	Comparing AntOR-Disjoint Node Routing Protocol with Its Parallel Extension. Communications in Computer and Information Science, 2011, , 305-309.	0.4	2
66	Monitoring of Data Centers using Wireless Sensor Networks. , 2015, , 1171-1183.		2
67	Efficient Shortened Cyclic Codes Correcting Either Random Errors or Bursts. IEEE Communications Letters, 2011, 15, 749-751.	2.5	1
68	Use of Gray codes for optimizing the search of (shortened) cyclic single burst-correcting codes. , 2011, , .		1
69	Multiple Interface Parallel Approach of Bioinspired Routing Protocol for Mobile Ad Hoc Networks. International Journal of Distributed Sensor Networks, 2012, 8, 532572.	1.3	1
70	Restrictive Disjoint-Link-Based Bioinspired Routing Protocol for Mobile Ad Hoc Networks. International Journal of Distributed Sensor Networks, 2012, 8, 956146.	1.3	1
71	Parallel approach of a bioinspired routing protocol for MANETs. International Journal of Ad Hoc and Ubiquitous Computing, 2013, 12, 141.	0.3	1
72	Some new bounds for binary multiple burstâ€correcting codes. Electronics Letters, 2014, 50, 756-758.	0.5	1

#	Article	IF	Citations
73	Advances on Software Defined Sensor, Mobile, and Fixed Networks. International Journal of Distributed Sensor Networks, 2016, 12, 5153718.	1.3	1
74	Distributed One Time Password Infrastructure for Linux Environments. Entropy, 2018, 20, 319.	1.1	1
75	Development and Evaluation of an Intelligence and Learning System in Jurisprudence Text Mining in the Field of Competition Defense. Applied Sciences (Switzerland), 2021, 11, 11365.	1.3	1
76	Analysis of MP4 Videos in 5G Using SDN. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2668-2677.	4.7	1
77	FASSVid: Fast and Accurate Semantic Segmentation for Video Sequences. Entropy, 2022, 24, 942.	1.1	1
78	Theia: a tool for the forensic analysis of mobile devices pictures. Computing (Vienna/New York), 2016, 98, 1251-1286.	3.2	0
79	Dynamic IEEE 802.21 information server mesh architecture for heterogeneous networks. International Journal of Ad Hoc and Ubiquitous Computing, 2016, 21, 207.	0.3	0
80	Locating similar names through locality sensitive hashing and graph theory. Multimedia Tools and Applications, 2019, 78, 29853-29866.	2.6	0
81	Technique to Neutralize Link Failures for an ACO-Based Routing Algorithm. Lecture Notes in Computer Science, 2012, , 251-260.	1.0	0
82	Routing Techniques Based on Swarm Intelligence. Advances in Intelligent Systems and Computing, 2014, , 515-519.	0.5	0
83	Network Intrusion Detection Systems in Data Centers. , 2015, , 1185-1207.		0
84	A Model for the Definition, Prioritization and Optimization of Indicators. Electronics (Switzerland), 2022, 11, 967.	1.8	0