

Kim-Kwang Raymond Choo

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.

843
papers

21,420
citations

72
h-index

110
g-index

925
ext. papers

27,924
ext. citations

4.5
avg, IF

8.24
L-index

#	Paper	IF	Citations
843	Blockchain: A Panacea for Healthcare Cloud-Based Data Security and Privacy?. <i>IEEE Cloud Computing</i> , 2018 , 5, 31-37		380
842	Blockchain in healthcare applications: Research challenges and opportunities. <i>Journal of Network and Computer Applications</i> , 2019 , 135, 62-75	7.9	271
841	A blockchain future for internet of things security: a position paper. <i>Digital Communications and Networks</i> , 2018 , 4, 149-160	5.9	269
840	The cyber threat landscape: Challenges and future research directions. <i>Computers and Security</i> , 2011 , 30, 719-731	4.9	243
839	BSeln: A blockchain-based secure mutual authentication with fine-grained access control system for industry 4.0. <i>Journal of Network and Computer Applications</i> , 2018 , 116, 42-52	7.9	212
838	A deep Recurrent Neural Network based approach for Internet of Things malware threat hunting. <i>Future Generation Computer Systems</i> , 2018 , 85, 88-96	7.5	195
837	. <i>IEEE Access</i> , 2017 , 5, 8284-8300	3.5	191
836	A systematic literature review of blockchain cyber security. <i>Digital Communications and Networks</i> , 2020 , 6, 147-156	5.9	191
835	A three-factor anonymous authentication scheme for wireless sensor networks in internet of things environments. <i>Journal of Network and Computer Applications</i> , 2018 , 103, 194-204	7.9	190
834	Vehicular Fog Computing: Architecture, Use Case, and Security and Forensic Challenges 2017 , 55, 105-111		189
833	Distributed denial of service (DDoS) resilience in cloud: Review and conceptual cloud DDoS mitigation framework. <i>Journal of Network and Computer Applications</i> , 2016 , 67, 147-165	7.9	183
832	Anonymous mutual authentication and key agreement scheme for wearable sensors in wireless body area networks. <i>Computer Networks</i> , 2017 , 129, 429-443	5.4	181
831	Robust Malware Detection for Internet of (Battlefield) Things Devices Using Deep Eigenspace Learning. <i>IEEE Transactions on Sustainable Computing</i> , 2019 , 4, 88-95	3.5	171
830	A Two-Layer Dimension Reduction and Two-Tier Classification Model for Anomaly-Based Intrusion Detection in IoT Backbone Networks. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2019 , 7, 314-323	4.1	170
829	Blockchain based searchable encryption for electronic health record sharing. <i>Future Generation Computer Systems</i> , 2019 , 95, 420-429	7.5	168
828	An Ensemble Intrusion Detection Technique Based on Proposed Statistical Flow Features for Protecting Network Traffic of Internet of Things. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 4815-4830	10.7	165
827	Machine learning aided Android malware classification. <i>Computers and Electrical Engineering</i> , 2017 , 61, 266-274	4.3	161

826	An integrated conceptual digital forensic framework for cloud computing. <i>Digital Investigation</i> , 2012 , 9, 71-80	3.3	161
825	Ensemble-based multi-filter feature selection method for DDoS detection in cloud computing. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	160
824	Security and Privacy for the Internet of Drones: Challenges and Solutions. <i>IEEE Communications Magazine</i> , 2018 , 56, 64-69	9.1	159
823	Blockchain for smart communities: Applications, challenges and opportunities. <i>Journal of Network and Computer Applications</i> , 2019 , 144, 13-48	7.9	158
822	Controllable and trustworthy blockchain-based cloud data management. <i>Future Generation Computer Systems</i> , 2019 , 91, 527-535	7.5	151
821	Certificateless Searchable Public Key Encryption Scheme for Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 759-767	11.9	144
820	Blockchain Applications for Industry 4.0 and Industrial IoT: A Review. <i>IEEE Access</i> , 2019 , 7, 176935-176951	3.5	141
819	An Efficient Privacy-Preserving Outsourced Calculation Toolkit With Multiple Keys. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 2401-2414	8	137
818	BEST: Blockchain-based secure energy trading in SDN-enabled intelligent transportation system. <i>Computers and Security</i> , 2019 , 85, 288-299	4.9	136
817	On cloud security attacks: A taxonomy and intrusion detection and prevention as a service. <i>Journal of Network and Computer Applications</i> , 2016 , 74, 98-120	7.9	135
816	Impacts of increasing volume of digital forensic data: A survey and future research challenges. <i>Digital Investigation</i> , 2014 , 11, 273-294	3.3	133
815	Multi-dimensional data indexing and range query processing via Voronoi diagram for internet of things. <i>Future Generation Computer Systems</i> , 2019 , 91, 382-391	7.5	129
814	Cloud of Things in Smart Agriculture: Intelligent Irrigation Monitoring by Thermal Imaging. <i>IEEE Cloud Computing</i> , 2017 , 4, 10-15		126
813	A Deep and Scalable Unsupervised Machine Learning System for Cyber-Attack Detection in Large-Scale Smart Grids. <i>IEEE Access</i> , 2019 , 7, 80778-80788	3.5	125
812	Privacy-Preserving-Outsourced Association Rule Mining on Vertically Partitioned Databases. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 1847-1861	8	125
811	Detecting crypto-ransomware in IoT networks based on energy consumption footprint. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 9, 1141-1152	3.7	123
810	SVM or deep learning? A comparative study on remote sensing image classification. <i>Soft Computing</i> , 2017 , 21, 7053-7065	3.5	123
809	Dropbox analysis: Data remnants on user machines. <i>Digital Investigation</i> , 2013 , 10, 3-18	3.3	120

808	A survey of information security incident handling in the cloud. <i>Computers and Security</i> , 2015 , 49, 45-69	4.9	113
807	Multimedia big data computing and Internet of Things applications: A taxonomy and process model. <i>Journal of Network and Computer Applications</i> , 2018 , 124, 169-195	7.9	112
806	Cloud storage forensics: ownCloud as a case study. <i>Digital Investigation</i> , 2013 , 10, 287-299	3.3	111
805	Adaptive Fusion and Category-Level Dictionary Learning Model for Multiview Human Action Recognition. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 9280-9293	10.7	109
804	Fuzzy Identity-Based Data Integrity Auditing for Reliable Cloud Storage Systems. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2019 , 16, 72-83	3.9	109
803	Google Drive: Forensic analysis of data remnants. <i>Journal of Network and Computer Applications</i> , 2014 , 40, 179-193	7.9	108
802	Consumer IoT: Security Vulnerability Case Studies and Solutions. <i>IEEE Consumer Electronics Magazine</i> , 2020 , 9, 17-25	3.2	107
801	A Robust and Energy Efficient Authentication Protocol for Industrial Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1606-1615	10.7	106
800	Design of a provably secure biometrics-based multi-cloud-server authentication scheme. <i>Future Generation Computer Systems</i> , 2017 , 68, 320-330	7.5	106
799	Privacy-Preserving Content-Oriented Wireless Communication in Internet-of-Things. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3059-3067	10.7	103
798	Design of Secure and Lightweight Authentication Protocol for Wearable Devices Environment. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018 , 22, 1310-1322	7.2	103
797	Forensic-by-Design Framework for Cyber-Physical Cloud Systems. <i>IEEE Cloud Computing</i> , 2016 , 3, 50-59		103
796	Efficient and Privacy-Preserving Outsourced Calculation of Rational Numbers. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2018 , 15, 27-39	3.9	102
795	An efficient authentication and key agreement scheme for multi-gateway wireless sensor networks in IoT deployment. <i>Journal of Network and Computer Applications</i> , 2017 , 89, 72-85	7.9	99
794	Digital droplets: Microsoft SkyDrive forensic data remnants. <i>Future Generation Computer Systems</i> , 2013 , 29, 1378-1394	7.5	99
793	Spectral-spatial multi-feature-based deep learning for hyperspectral remote sensing image classification. <i>Soft Computing</i> , 2017 , 21, 213-221	3.5	96
792	Copy-move forgery detection: Survey, challenges and future directions. <i>Journal of Network and Computer Applications</i> , 2016 , 75, 259-278	7.9	95
791	Cryptographic Solutions for Industrial Internet-of-Things: Research Challenges and Opportunities. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3567-3569	11.9	95

790	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 9390-9401	6.8	92
789	Applications of blockchain in ensuring the security and privacy of electronic health record systems: A survey. <i>Computers and Security</i> , 2020 , 97, 101966	4.9	92
788	Authenticated key agreement scheme for fog-driven IoT healthcare system. <i>Wireless Networks</i> , 2019 , 25, 4737-4750	2.5	86
787	Blockchain-Based Anonymous Authentication With Key Management for Smart Grid Edge Computing Infrastructure. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1984-1992	11.9	86
786	Fair Resource Allocation in an Intrusion-Detection System for Edge Computing: Ensuring the Security of Internet of Things Devices. <i>IEEE Consumer Electronics Magazine</i> , 2018 , 7, 45-50	3.2	86
785	Forensic collection of cloud storage data: Does the act of collection result in changes to the data or its metadata?. <i>Digital Investigation</i> , 2013 , 10, 266-277	3.3	85
784	A Provably-Secure Cross-Domain Handshake Scheme with Symptoms-Matching for Mobile Healthcare Social Network. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2018 , 15, 633-645	3.9	83
783	An Energy-Efficient SDN Controller Architecture for IoT Networks With Blockchain-Based Security. <i>IEEE Transactions on Services Computing</i> , 2020 , 13, 625-638	4.8	82
782	Big forensic data reduction: digital forensic images and electronic evidence. <i>Cluster Computing</i> , 2016 , 19, 723-740	2.1	80
781	User profiling in intrusion detection: A review. <i>Journal of Network and Computer Applications</i> , 2016 , 72, 14-27	7.9	80
780	Fog data analytics: A taxonomy and process model. <i>Journal of Network and Computer Applications</i> , 2019 , 128, 90-104	7.9	80
779	Examining Indistinguishability-Based Proof Models for Key Establishment Protocols. <i>Lecture Notes in Computer Science</i> , 2005 , 585-604	0.9	80
778	Distributed host-based collaborative detection for false data injection attacks in smart grid cyber-physical system. <i>Journal of Parallel and Distributed Computing</i> , 2017 , 103, 32-41	4.4	79
777	Secure Key Agreement and Key Protection for Mobile Device User Authentication. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 319-330	8	79
776	Imaging and fusing time series for wearable sensor-based human activity recognition. <i>Information Fusion</i> , 2020 , 53, 80-87	16.7	79
775	A robust biometrics based three-factor authentication scheme for Global Mobility Networks in smart city. <i>Future Generation Computer Systems</i> , 2018 , 83, 607-618	7.5	76
774	A Deep Blockchain Framework-Enabled Collaborative Intrusion Detection for Protecting IoT and Cloud Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9463-9472	10.7	76
773	Challenges of Connecting Edge and Cloud Computing: A Security and Forensic Perspective. <i>IEEE Cloud Computing</i> , 2017 , 4, 13-17		75

772	Always connected, but are smart mobile users getting more security savvy? A survey of smart mobile device users. <i>Behaviour and Information Technology</i> , 2014 , 33, 1347-1360	2.4	72
771	Organised crime groups in cyberspace: a typology. <i>Trends in Organized Crime</i> , 2008 , 11, 270-295	1.6	72
770	Sidechain technologies in blockchain networks: An examination and state-of-the-art review. <i>Journal of Network and Computer Applications</i> , 2020 , 149, 102471	7.9	72
769	A model for sentiment and emotion analysis of unstructured social media text. <i>Electronic Commerce Research</i> , 2018 , 18, 181-199	2.1	71
768	Blockchain smart contracts formalization: Approaches and challenges to address vulnerabilities. <i>Computers and Security</i> , 2020 , 88, 101654	4.9	71
767	Internet of Things (IoT). <i>ACM Transactions on Internet Technology</i> , 2016 , 16, 1-7	3.8	71
766	Privacy-Preserving Attribute-Based Keyword Search in Shared Multi-owner Setting. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 18, 1080-1094	3.9	71
765	Decentralized Authentication of Distributed Patients in Hospital Networks Using Blockchain. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2146-2156	7.2	70
764	Searchable Symmetric Encryption. <i>ACM Computing Surveys</i> , 2017 , 50, 1-37	13.4	67
763	Building knowledge base of urban emergency events based on crowdsourcing of social media. <i>Concurrency Computation Practice and Experience</i> , 2016 , 28, 4038-4052	1.4	67
762	Cloud based data sharing with fine-grained proxy re-encryption. <i>Pervasive and Mobile Computing</i> , 2016 , 28, 122-134	3.5	65
761	Distributed filesystem forensics: XtreamFS as a case study. <i>Digital Investigation</i> , 2014 , 11, 295-313	3.3	65
760	HomeChain: A Blockchain-Based Secure Mutual Authentication System for Smart Homes. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 818-829	10.7	65
759	Data Exfiltration From Internet of Things Devices: iOS Devices as Case Studies. <i>IEEE Internet of Things Journal</i> , 2017 , 4, 524-535	10.7	64
758	Cloud Manufacturing: Security, Privacy, and Forensic Concerns. <i>IEEE Cloud Computing</i> , 2016 , 3, 16-22		64
757	DRTHIS: Deep ransomware threat hunting and intelligence system at the fog layer. <i>Future Generation Computer Systems</i> , 2019 , 90, 94-104	7.5	64
756	A Provably Secure and Efficient Identity-Based Anonymous Authentication Scheme for Mobile Edge Computing. <i>IEEE Systems Journal</i> , 2020 , 14, 560-571	4.3	64
755	Efficient and secure identity-based encryption scheme with equality test in cloud computing. <i>Future Generation Computer Systems</i> , 2017 , 73, 22-31	7.5	63

754	An Efficient and Provably Secure Authenticated Key Agreement Protocol for Fog-Based Vehicular Ad-Hoc Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8065-8075	10.7	63
753	Exfiltrating data from Android devices. <i>Computers and Security</i> , 2015 , 48, 74-91	4.9	63
752	Participatory sensing-based semantic and spatial analysis of urban emergency events using mobile social media. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	63
751	SDTE: A Secure Blockchain-Based Data Trading Ecosystem. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 725-737	8	63
750	DDOA: A Dirichlet-Based Detection Scheme for Opportunistic Attacks in Smart Grid Cyber-Physical System. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 2415-2425	8	61
749	Web application protection techniques: A taxonomy. <i>Journal of Network and Computer Applications</i> , 2016 , 60, 95-112	7.9	60
748	Fine-grained Database Field Search Using Attribute-Based Encryption for E-Healthcare Clouds. <i>Journal of Medical Systems</i> , 2016 , 40, 235	5.1	60
747	Exploring Factors Influencing the Use of Enterprise Social Networks in Multinational Professional Service Firms. <i>Journal of Organizational Computing and Electronic Commerce</i> , 2015 , 25, 289-315	1.8	58
746	A bayesian inference-based detection mechanism to defend medical smartphone networks against insider attacks. <i>Journal of Network and Computer Applications</i> , 2017 , 78, 162-169	7.9	58
745	A Forensically Sound Adversary Model for Mobile Devices. <i>PLoS ONE</i> , 2015 , 10, e0138449	3.7	58
744	. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 5723-5736	11.9	57
743	. <i>IEEE Access</i> , 2020 , 8, 53972-53983	3.5	57
742	A novel fuzzy gaussian-based dissimilarity measure for discovering similarity temporal association patterns. <i>Soft Computing</i> , 2018 , 22, 1903-1919	3.5	57
741	. <i>IEEE Access</i> , 2017 , 5, 1319-1327	3.5	56
740	Certificateless-Signcryption-Based Three-Factor User Access Control Scheme for IoT Environment. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 3184-3197	10.7	56
739	Towards Bayesian-Based Trust Management for Insider Attacks in Healthcare Software-Defined Networks. <i>IEEE Transactions on Network and Service Management</i> , 2018 , 15, 761-773	4.8	56
738	A Data Exfiltration and Remote Exploitation Attack on Consumer 3D Printers. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 2174-2186	8	56
737	Enhancing privacy through uniform grid and caching in location-based services. <i>Future Generation Computer Systems</i> , 2018 , 86, 881-892	7.5	55

736	Trustworthy Processing of Healthcare Big Data in Hybrid Clouds. <i>IEEE Cloud Computing</i> , 2015 , 2, 78-84		55
735	Criminal Exploitation of Online Systems by Organised Crime Groups. <i>Asian Journal of Criminology</i> , 2008 , 3, 37-59	1.6	55
734	Pairing-based CP-ABE with constant-size ciphertexts and secret keys for cloud environment. <i>Computer Standards and Interfaces</i> , 2017 , 54, 3-9	3.5	53
733	Blockchain based secure data sharing system for Internet of vehicles: A position paper. <i>Vehicular Communications</i> , 2019 , 16, 85-93	5.7	53
732	Blockchain-based identity management systems: A review. <i>Journal of Network and Computer Applications</i> , 2020 , 166, 102731	7.9	53
731	A smartphone-based wearable sensors for monitoring real-time physiological data. <i>Computers and Electrical Engineering</i> , 2018 , 65, 376-392	4.3	53
730	Cloud computing and its implications for cybercrime investigations in Australia. <i>Computer Law and Security Review</i> , 2013 , 29, 152-163	3	53
729	Context Aware Ubiquitous Biometrics in Edge of Military Things. <i>IEEE Cloud Computing</i> , 2017 , 4, 16-20		53
728	. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 1-1	4.9	53
727	Healthcare-Related Data in the Cloud: Challenges and Opportunities. <i>IEEE Cloud Computing</i> , 2016 , 3, 10-14		53
726	A Provably Secure and Lightweight Anonymous User Authenticated Session Key Exchange Scheme for Internet of Things Deployment. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8739-8752	10.7	52
725	. <i>IEEE Access</i> , 2017 , 5, 3273-3283	3.5	51
724	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 5850-5863	6.8	51
723	A Privacy-Preserving-Framework-Based Blockchain and Deep Learning for Protecting Smart Power Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 5110-5118	11.9	51
722	IoT Forensics: Amazon Echo as a Use Case. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 6487-6497	10.7	50
721	Smart Collaborative Automation for Receive Buffer Control in Multipath Industrial Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1385-1394	11.9	50
720	Securing Edge Devices in the Post-Quantum Internet of Things Using Lattice-Based Cryptography 2018 , 56, 158-162		49
719	Investigating Social Networking applications on smartphones detecting Facebook, Twitter, LinkedIn and Google+ artefacts on Android and iOS platforms. <i>Australian Journal of Forensic Sciences</i> , 2016 , 48, 469-488	1.1	49

718	An Ensemble of Deep Recurrent Neural Networks for Detecting IoT Cyber Attacks Using Network Traffic. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8852-8859	10.7	49
717	Efficient and anonymous two-factor user authentication in wireless sensor networks: achieving user anonymity with lightweight sensor computation. <i>PLoS ONE</i> , 2015 , 10, e0116709	3.7	49
716	Bit-level n-gram based forensic authorship analysis on social media: Identifying individuals from linguistic profiles. <i>Journal of Network and Computer Applications</i> , 2016 , 70, 171-182	7.9	49
715	Privacy concerns and benefits of engagement with social media-enabled apps: A privacy calculus perspective. <i>Computers in Human Behavior</i> , 2020 , 107, 106260	7.7	48
714	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2687-2697	11.9	47
713	Detecting Internet of Things attacks using distributed deep learning. <i>Journal of Network and Computer Applications</i> , 2020 , 163, 102662	7.9	47
712	Intelligent temporal classification and fuzzy rough set-based feature selection algorithm for intrusion detection system in WSNs. <i>Information Sciences</i> , 2019 , 497, 77-90	7.7	46
711	DCAP: A Secure and Efficient Decentralized Conditional Anonymous Payment System Based on Blockchain. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 2440-2452	8	46
710	An untraceable and anonymous password authentication protocol for heterogeneous wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2018 , 104, 133-144	7.9	46
709	An efficient provably-secure certificateless signature scheme for Internet-of-Things deployment. <i>Ad Hoc Networks</i> , 2018 , 71, 78-87	4.8	46
708	M0Droid: An Android Behavioral-Based Malware Detection Model. <i>Journal of Information Privacy and Security</i> , 2015 , 11, 141-157		46
707	An enhanced 1-round authentication protocol for wireless body area networks with user anonymity. <i>Computers and Electrical Engineering</i> , 2017 , 61, 238-249	4.3	45
706	A Novel Certificateless Signature Scheme for Smart Objects in the Internet-of-Things. <i>Sensors</i> , 2017 , 17,	3.8	45
705	Outlier Dirichlet Mixture Mechanism: Adversarial Statistical Learning for Anomaly Detection in the Fog. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 1975-1987	8	45
704	Driverless vehicle security: Challenges and future research opportunities. <i>Future Generation Computer Systems</i> , 2020 , 108, 1092-1111	7.5	45
703	A cyber kill chain based taxonomy of banking Trojans for evolutionary computational intelligence. <i>Journal of Computational Science</i> , 2018 , 27, 394-409	3.4	45
702	. <i>IEEE Transactions on Engineering Management</i> , 2020 , 1-16	2.6	44
701	A New Transitively Closed Undirected Graph Authentication Scheme for Blockchain-Based Identity Management Systems. <i>IEEE Access</i> , 2018 , 6, 28203-28212	3.5	44

700	Cloud incident handling and forensic-by-design: cloud storage as a case study. <i>Concurrency Computation Practice and Experience</i> , 2017 , 29, e3868	1.4	43
699	Applications of computational intelligence in vehicle traffic congestion problem: a survey. <i>Soft Computing</i> , 2018 , 22, 2299-2320	3.5	43
698	Challenges in Delivering Software in the Cloud as Microservices. <i>IEEE Cloud Computing</i> , 2016 , 3, 10-14		43
697	Geographical information system parallelization for spatial big data processing: a review. <i>Cluster Computing</i> , 2016 , 19, 139-152	2.1	43
696	A task scheduling algorithm considering game theory designed for energy management in cloud computing. <i>Future Generation Computer Systems</i> , 2020 , 105, 985-992	7.5	43
695	Extended Proxy-Assisted Approach: Achieving Revocable Fine-Grained Encryption of Cloud Data. <i>Lecture Notes in Computer Science</i> , 2015 , 146-166	0.9	42
694	An efficient reinforcement learning-based Botnet detection approach. <i>Journal of Network and Computer Applications</i> , 2020 , 150, 102479	7.9	42
693	P4-to-blockchain: A secure blockchain-enabled packet parser for software defined networking. <i>Computers and Security</i> , 2020 , 88, 101629	4.9	42
692	EPA-CPPA: An efficient, provably-secure and anonymous conditional privacy-preserving authentication scheme for vehicular ad hoc networks. <i>Vehicular Communications</i> , 2018 , 13, 104-113	5.7	41
691	Forensic investigation of P2P cloud storage services and backbone for IoT networks: BitTorrent Sync as a case study. <i>Computers and Electrical Engineering</i> , 2017 , 58, 350-363	4.3	41
690	A machine learning-based FinTech cyber threat attribution framework using high-level indicators of compromise. <i>Future Generation Computer Systems</i> , 2019 , 96, 227-242	7.5	41
689	Is the data on your wearable device secure? An Android Wear smartwatch case study. <i>Software - Practice and Experience</i> , 2017 , 47, 391-403	2.5	40
688	A lightweight machine learning-based authentication framework for smart IoT devices. <i>Information Sciences</i> , 2019 , 484, 255-268	7.7	40
687	BCPPA: A Blockchain-Based Conditional Privacy-Preserving Authentication Protocol for Vehicular Ad Hoc Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-13	6.1	40
686	Secure Online/Offline Data Sharing Framework for Cloud-Assisted Industrial Internet of Things. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8681-8691	10.7	40
685	Implementation of deep packet inspection in smart grids and industrial Internet of Things: Challenges and opportunities. <i>Journal of Network and Computer Applications</i> , 2019 , 135, 32-46	7.9	39
684	Cyber-physical systems information gathering: A smart home case study. <i>Computer Networks</i> , 2018 , 138, 1-12	5.4	39
683	A cloud-based remote sensing data production system. <i>Future Generation Computer Systems</i> , 2018 , 86, 1154-1166	7.5	39

682	Efficient Hierarchical Identity-Based Signature With Batch Verification for Automatic Dependent Surveillance-Broadcast System. <i>IEEE Transactions on Information Forensics and Security</i> , 2017 , 12, 454-464	8	39
681	Pervasive social networking forensics: Intelligence and evidence from mobile device extracts. <i>Journal of Network and Computer Applications</i> , 2017 , 86, 24-33	7.9	39
680	An improved two-hidden-layer extreme learning machine for malware hunting. <i>Computers and Security</i> , 2020 , 89, 101655	4.9	39
679	Windows Instant Messaging App Forensics: Facebook and Skype as Case Studies. <i>PLoS ONE</i> , 2016 , 11, e0150300	3.7	39
678	A provably secure and anonymous message authentication scheme for smart grids. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 132, 242-249	4.4	39
677	A trajectory privacy-preserving scheme based on a dual-K mechanism for continuous location-based services. <i>Information Sciences</i> , 2020 , 527, 406-419	7.7	39
676	Achieving high performance and privacy-preserving query over encrypted multidimensional big metering data. <i>Future Generation Computer Systems</i> , 2018 , 78, 392-401	7.5	38
675	Intelligent OS X malware threat detection with code inspection. <i>Journal of Computer Virology and Hacking Techniques</i> , 2018 , 14, 213-223	3	38
674	Privacy-preserving certificateless provable data possession scheme for big data storage on cloud. <i>Applied Mathematics and Computation</i> , 2017 , 314, 31-43	2.7	38
673	BaDS: Blockchain-Based Architecture for Data Sharing with ABS and CP-ABE in IoT. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-9	1.9	38
672	Blockchain-Enabled Reengineering of Cloud Datacenters. <i>IEEE Cloud Computing</i> , 2018 , 5, 21-25		38
671	Have You Been a Victim of COVID-19-Related Cyber Incidents? Survey, Taxonomy, and Mitigation Strategies. <i>IEEE Access</i> , 2020 , 8, 124134-124144	3.5	37
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