

Albert Y Zomaya

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.

743
papers

15,700
citations

59
h-index

98
g-index

911
ext. papers

19,812
ext. citations

4
avg, IF

7.37
L-index

#	Paper	IF	Citations
743	Mobility-aware Offloading and Resource Allocation for Distributed Services Collaboration. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022 , 1-1	3.7	3
742	DONE: Distributed Approximate Newton-type Method for Federated Edge Learning. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022 , 1-1	3.7	2
741	Edge-Oriented Computing: A Survey on Research and Use Cases. <i>Energies</i> , 2022 , 15, 452	3.1	7
740	Spatial-Keyword Skyline Publish/Subscribe Query Processing over Distributed Sliding Window Streaming Data. <i>IEEE Transactions on Computers</i> , 2022 , 1-1	2.5	1
739	Adaptive density peaks clustering: Towards exploratory EEG analysis. <i>Knowledge-Based Systems</i> , 2022 , 108123	7.3	1
738	Low Latency Execution Guarantee Under Uncertainty in Serverless Platforms. <i>Lecture Notes in Computer Science</i> , 2022 , 324-335	0.9	
737	A Learning-Based Scheduler for High Volume Processing in Data Warehouse Using Graph Neural Networks. <i>Lecture Notes in Computer Science</i> , 2022 , 175-186	0.9	
736	Managing Heterogeneous and Time-Sensitive IoT Applications through Collaborative and Energy-Aware Resource Allocation. <i>ACM Transactions on Internet of Things</i> , 2022 , 3, 1-28	2.2	1
735	fgSpMSPV: A Fine-grained Parallel SpMSPV Framework on HPC Platforms. <i>ACM Transactions on Parallel Computing</i> , 2022 , 9, 1-29	1.4	0
734	Stochastic Client Selection for Federated Learning with Volatile Clients. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	1
733	Dependent Function Embedding for Distributed Serverless Edge Computing. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 1-1	3.7	1
732	A Novel Prediction-Based Temporal Graph Routing Algorithm for Software-Defined Vehicular Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-16	6.1	11
731	A Time-sensitive Token-Based Anonymous Authentication and Dynamic Group Key Agreement Scheme for Industry 5.0. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	6
730	Latency and Energy-Aware Load Balancing in Cloud Data Centers: A Bargaining Game Based Approach. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 1-1	3.3	0
729	Federated Learning for COVID-19 Detection with Generative Adversarial Networks in Edge Cloud Computing. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	8
728	Dynamic Parallel Flow Algorithms with Centralized Scheduling for Load Balancing Improvement in Cloud Data Center Networks. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 1-1	3.3	0
727	A New Explainable Deep Learning Framework for Cyber Threat Discovery in Industrial IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2

726	Adaptive Processor Frequency Adjustment for Mobile Edge Computing with Intermittent Energy Supply. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
725	Fingerprint Identification With Shallow Multifeature View Classifier. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4515-4527	10.2	1
724	An evolutionary fuzzy scheduler for multi-objective resource allocation in fog computing. <i>Future Generation Computer Systems</i> , 2021 , 117, 498-509	7.5	6
723	Design and Optimization of Traffic-Aware TSCH Scheduling for Mobile 6TiSCH Networks 2021 ,		3
722	Novel Online Sequential Learning-Based Adaptive Routing for Edge Software-Defined Vehicular Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2991-3004	9.6	22
721	LR-GD-RNS: Enhanced Privacy-Preserving Logistic Regression Algorithms for Secure Deployment in Untrusted Environments 2021 ,		1
720	MusicID: A Brainwave-Based User Authentication System for Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 8304-8313	10.7	2
719	Optimal governance and implementation of vaccination programmes to contain the COVID-19 pandemic. <i>Royal Society Open Science</i> , 2021 , 8, 210429	3.3	21
718	Optimizing the Maximum Vertex Coverage Attacks Under Knapsack Constraint. <i>IEEE/ACM Transactions on Networking</i> , 2021 , 29, 1088-1104	3.8	2
717	Interaction between damping characteristics and the initial-stage short-circuit current of MMC-HVDC transmission systems. <i>IET Power Electronics</i> , 2021 , 14, 1871-1878	2.2	
716	Secure Lightweight Stream Data Outsourcing for Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10815-10829	10.7	2
715	MUSE: A Multi-Tierd and SLA-Driven Deduplication Framework for Cloud Storage Systems. <i>IEEE Transactions on Computers</i> , 2021 , 70, 759-774	2.5	5
714	. <i>IEEE Transactions on Computers</i> , 2021 , 70, 746-758	2.5	
713	BaPa: A Novel Approach of Improving Load Balance in Parallel Matrix Factorization for Recommender Systems. <i>IEEE Transactions on Computers</i> , 2021 , 70, 789-802	2.5	2
712	Optimal Application Deployment in Resource Constrained Distributed Edges. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 1907-1923	4.6	45
711	Hybrid Evolutionary Scheduling for Energy-Efficient Fog-Enhanced Internet of Things. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 9, 641-653	3.3	9
710	Efficient mobile code offloading in heterogeneous wireless networks. <i>Concurrency Computation Practice and Experience</i> , 2021 , 33, 1-1	1.4	
709	CASpMV: A Customized and Accelerative SpMV Framework for the Sunway TaihuLight. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 131-146	3.7	33

708	Towards secure and practical consensus for blockchain based VANET. <i>Information Sciences</i> , 2021 , 545, 170-187	7.7	36
707	Fast Adaptive Task Offloading in Edge Computing Based on Meta Reinforcement Learning. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 242-253	3.7	61
706	Renewable energy powered sustainable 5G network infrastructure: Opportunities, challenges and perspectives. <i>Journal of Network and Computer Applications</i> , 2021 , 175, 102910	7.9	14
705	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 2066-2077	10.7	24
704	A lightweight solution to epileptic seizure prediction based on EEG synchronization measurement. <i>Journal of Supercomputing</i> , 2021 , 77, 3914-3932	2.5	12
703	Ultra-Dense Networks: A Holistic Analysis of Multi-Piece Path Loss, Antenna Heights, Finite Users and BS Idle Modes. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 1702-1713	4.6	0
702	Developing Practical Multi-view Learning for Clinical Analytics in P4 Medicine. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2021 , 1-1	4.1	1
701	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 1-1	3.7	3
700	DPoS: Decentralized, Privacy-Preserving, and Low-Complexity Online Slicing for Multi-Tenant Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	5
699	Partial Synchronization to Accelerate Federated Learning over Relay-Assisted Edge Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	4
698	AutoDiagn: An Automated Real-time Diagnosis Framework for Big Data Systems. <i>IEEE Transactions on Computers</i> , 2021 , 1-1	2.5	3
697	Graceful Performance Degradation in Apache Storm. <i>Lecture Notes in Computer Science</i> , 2021 , 389-400	0.9	0
696	Incentive-driven Proactive Application Deployment and Pricing on Distributed Edges. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	2
695	LIME: Low-Cost Incremental Learning for Dynamic Heterogeneous Information Networks. <i>IEEE Transactions on Computers</i> , 2021 , 1-1	2.5	8
694	PrivGait: An Energy Harvesting-based Privacy-Preserving User Identification System by Gait Analysis. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
693	ARPS: An Autonomic Resource Provisioning and Scheduling Framework for Cloud Platforms. <i>IEEE Transactions on Sustainable Computing</i> , 2021 , 1-1	3.5	5
692	Federated Learning Over Wireless Networks: Convergence Analysis and Resource Allocation. <i>IEEE/ACM Transactions on Networking</i> , 2021 , 29, 398-409	3.8	60
691	Running Industrial Workflow Applications in a Software-Defined Multicloud Environment Using Green Energy Aware Scheduling Algorithm. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5645-5656	11.9	7

690	Burst Load Evacuation Based on Dispatching and Scheduling In Distributed Edge Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 1918-1932	3.7	16
689	Online Scheduling Technique To Handle Data Velocity Changes in Stream Workflows. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 2115-2130	3.7	1
688	Machine-Learning-Based Real-Time Economic Dispatch in Islanding Microgrids in a Cloud-Edge Computing Environment. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 13703-13711	10.7	3
687	Towards healthy and cost-effective indoor environment management in smart homes: A deep reinforcement learning approach. <i>Applied Energy</i> , 2021 , 300, 117335	10.7	11
686	Vehicular Computation Offloading for Industrial Mobile Edge Computing. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7871-7881	11.9	15
685	Dynamic energy dispatch strategy for integrated energy system based on improved deep reinforcement learning. <i>Energy</i> , 2021 , 235, 121377	7.9	16
684	Towards Minimizing the R Metric for Measuring Network Robustness. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	2
683	Short-Term Load Forecasting Based on the Transformer Model. <i>Information (Switzerland)</i> , 2021 , 12, 516	2.6	1
682	Temporal Convolutional Networks for the Advance Prediction of ENSO. <i>Scientific Reports</i> , 2020 , 10, 8055	4.9	47
681	aeSpTV: An Adaptive and Efficient Framework for Sparse Tensor-Vector Product Kernel on a High-Performance Computing Platform. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2020 , 31, 2329-2345	3.7	5
680	Circuit Copyright Blockchain: Blockchain-Based Homomorphic Encryption for IP Circuit Protection. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 1-1	4.1	55
679	Automated Fine-Grained CPU Cap Control in Serverless Computing Platform. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2020 , 31, 2289-2301	3.7	7
678	Distributed Machine Learning for IoT Applications in the Fog 2020 , 309-345		4
677	Edge and Fog: A Survey, Use Cases, and Future Challenges 2020 , 43-65		17
676	An Estimation of Distribution Algorithm to Optimize the Utility of Task Scheduling Under Fog Computing Systems 2020 , 371-384		1
675	IoTsim-SDWAN: A simulation framework for interconnecting distributed datacenters over Software-Defined Wide Area Network (SD-WAN). <i>Journal of Parallel and Distributed Computing</i> , 2020 , 143, 17-35	4.4	4
674	Safeguard Network Slicing in 5G: A Learning Augmented Optimization Approach. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 1600-1613	14.2	16
673	A Lightweight Short-Term Photovoltaic Power Prediction for Edge Computing. <i>IEEE Transactions on Green Communications and Networking</i> , 2020 , 4, 946-955	4	6

672	Gait-Watch: A Gait-based context-aware authentication system for smart watch via sparse coding. <i>Ad Hoc Networks</i> , 2020 , 107, 102218	4.8	11
671	Routing Schemes in Software-Defined Vehicular Networks: Design, Open Issues and Challenges. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2020 , 0-0	2.6	19
670	Decomposition-Based Stability Analysis for Isolated Power Systems With Reduced Conservativeness. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 1623-1632	4.9	7
669	Edge-Computing-Enabled Unmanned Module Defect Detection and Diagnosis System for Large-Scale Photovoltaic Plants. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9651-9663	10.7	9
668	Decentralized Networked Load Frequency Control in Interconnected Power Systems Based on Stochastic Jump System Theory. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4427-4439	10.7	16
667	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2020 , 31, 2819-2833	3.7	7
666	Fully Homomorphic based Privacy-Preserving Distributed Expectation Maximization on Cloud. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2020 , 31, 2668-2681	3.7	1
665	A general purpose contention manager for software transactions on the GPU. <i>Journal of Parallel and Distributed Computing</i> , 2020 , 139, 1-17	4.4	1
664	SPAMI: A cognitive spam protector for advertisement malicious images. <i>Information Sciences</i> , 2020 , 540, 17-37	7.7	8
663	Sub-curve HMM: A malware detection approach based on partial analysis of API call sequences. <i>Computers and Security</i> , 2020 , 92, 101773	4.9	6
662	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6103-6113	11.9	76
661	. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2020 , 6, 14-22	1.6	14
660	An Unmanned Inspection System for Multiple Defects Detection in Photovoltaic Plants. <i>IEEE Journal of Photovoltaics</i> , 2020 , 10, 568-576	3.7	22
659	. <i>IEEE Transactions on Computers</i> , 2020 , 69, 800-811	2.5	9
658	Buoy Sensor Cyberattack Detection in Offshore Petroleum Cyber-Physical Systems. <i>IEEE Transactions on Services Computing</i> , 2020 , 13, 653-662	4.8	1
657	Utilization-prediction-aware virtual machine consolidation approach for energy-efficient cloud data centers. <i>Journal of Parallel and Distributed Computing</i> , 2020 , 139, 99-109	4.4	31
656	Interpretable Machine Learning In Sustainable Edge Computing: A Case Study of Short-Term Photovoltaic Power Output Prediction 2020 ,		3
655	UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 6731-6738	6.8	10

654	Reinforcement learning in sustainable energy and electric systems: a survey. <i>Annual Reviews in Control</i> , 2020 , 49, 145-163	10.3	49
653	Edge Intelligence: The Confluence of Edge Computing and Artificial Intelligence. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 7457-7469	10.7	183
652	Proposing a Secure Self-fining Vehicle Using Blockchain and Vehicular Edge Computing. <i>IEEE Consumer Electronics Magazine</i> , 2020 , 1-1	3.2	4
651	Gait Recognition as a Service for Unobtrusive User Identification in Smart Spaces. <i>ACM Transactions on Internet of Things</i> , 2020 , 1, 1-21	2.2	6
650	A Taxonomy of Supervised Learning for IDSs in SCADA Environments. <i>ACM Computing Surveys</i> , 2020 , 53, 1-37	13.4	15
649	SLA Management for Big Data Analytical Applications in Clouds. <i>ACM Computing Surveys</i> , 2020 , 53, 1-40	13.4	5
648	Orchestrating the Development Lifecycle of Machine Learning-based IoT Applications. <i>ACM Computing Surveys</i> , 2020 , 53, 1-47	13.4	18
647	The Limit of Horizontal Scaling in Public Clouds. <i>ACM Transactions on Modeling and Performance Evaluation of Computing Systems</i> , 2020 , 5, 1-22	0.8	1
646	In Memoriam Eliezer Dekel (1948-2020). <i>ACM Computing Surveys</i> , 2020 , 53, 1-2	13.4	3
645	LoRadar. <i>Computer Communication Review</i> , 2020 , 50, 10-24	1.4	0
644	IoTWC: Analytic Hierarchy Process Based Internet of Things Workflow Composition System 2020 ,		2
643	Task Scheduling in Cloud Environments 2020 , 213-255		1
642	Time-Critical Fog Computing for Vehicular Networks 2020 , 431-458		1
641	A Time-space Efficient Algorithm for Parallel k-way In-place Merging based on Sequence Partitioning and Perfect Shuffle. <i>ACM Transactions on Parallel Computing</i> , 2020 , 7, 1-23	1.4	2
640	Federated Learning with Proximal Stochastic Variance Reduced Gradient Algorithms 2020 ,		3
639	An Efficiency-Boosting Client Selection Scheme for Federated Learning With Fairness Guarantee. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2020 , 1-1	3.7	18
638	IoTsim-Edge: A simulation framework for modeling the behavior of Internet of Things and edge computing environments. <i>Software - Practice and Experience</i> , 2020 , 50, 844-867	2.5	26
637	Intelligent VNF Orchestration and Flow Scheduling via Model-Assisted Deep Reinforcement Learning. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 279-291	14.2	32

636	Towards Accurate Prediction for High-Dimensional and Highly-Variable Cloud Workloads with Deep Learning. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2020 , 31, 923-934	3.7	47
635	Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1568-1581	6.8	14
634	Dynamical Service Deployment and Replacement in Resource-Constrained Edges. <i>Mobile Networks and Applications</i> , 2020 , 25, 674-689	2.9	12
633	R ² MRF: Defocus Blur Detection via Recurrently Refining Multi-Scale Residual Features. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 12063-12070	5	11
632	DyBatch: Efficient Batching and Fair Scheduling for Deep Learning Inference on Time-sharing Devices 2020 ,		1
631	Accelerating on-device DNN inference during service outage through scheduling early exit. <i>Computer Communications</i> , 2020 , 162, 69-82	5.1	0
630	DeFusionNET: Defocus Blur Detection via Recurrently Fusing and Refining Discriminative Multi-scale Deep Features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13.3	10
629	Shadow-Chain: A Decentralized Storage System for Log Data. <i>IEEE Network</i> , 2020 , 34, 68-74	11.4	1
628	Power Control Framework For Green Data Centers. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 1-1	3.3	3
627	MULTISCALER: A Multi-Loop Auto-Scaling Approach for Cloud-Based Applications. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 1-1	3.3	4
626	The Power of ARM64 in Public Clouds 2020 ,		1
625	Prediction of Sepsis in COVID-19 Using Laboratory Indicators. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 586054	5.9	1
624	Stochastic scheduling for variation-aware virtual machine placement in a cloud computing CPS. <i>Future Generation Computer Systems</i> , 2020 , 105, 779-788	7.5	7
623	Heterogeneous Job Allocation Scheduler for Hadoop MapReduce Using Dynamic Grouping Integrated Neighboring Search. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 8, 193-206	3.3	13
622	Stochastic Workload Scheduling for Uncoordinated Datacenter Clouds with Multiple QoS Constraints. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 8, 1284-1295	3.3	3
621	. <i>IEEE Transactions on Big Data</i> , 2020 , 6, 624-637	3.2	7
620	. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 8, 1054-1068	3.3	7
619	. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 8, 1176-1188	3.3	6

618	Redundancy Avoidance for Big Data in Data Centers: A Conventional Neural Network Approach. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 104-114	4.9	12
617	En-ABC: An ensemble artificial bee colony based anomaly detection scheme for cloud environment. <i>Journal of Parallel and Distributed Computing</i> , 2020 , 135, 219-233	4.4	43
616	An Industrial Network Intrusion Detection Algorithm Based on Multifeature Data Clustering Optimization Model. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2063-2071	11.9	86
615	Hybrid context enriched deep learning model for fine-grained sentiment analysis in textual and visual semiotic modality social data. <i>Information Processing and Management</i> , 2020 , 57, 102141	6.3	62
614	Probabilistic data structures for big data analytics: A comprehensive review. <i>Knowledge-Based Systems</i> , 2020 , 188, 104987	7.3	11
613	Lightweight Power Monitoring Framework for Virtualized Computing Environments. <i>IEEE Transactions on Computers</i> , 2020 , 69, 14-25	2.5	2
612	Energy-Efficient Workflow Scheduling Using Container-Based Virtualization in Software-Defined Data Centers. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 7646-7657	11.9	6
611	Accelerating fingerprint identification using FPGA for large-scale applications. <i>Journal of Parallel and Distributed Computing</i> , 2020 , 141, 35-48	4.4	2
610	SmartDBO: Smart Docker Benchmarking Orchestrator for Web-application 2019 ,		1
609	P_Segnet and NP_Segnet: New Neural Network Architectures for Cloud Recognition of Remote Sensing Images. <i>IEEE Access</i> , 2019 , 7, 87323-87333	3.5	13
608	2019 ,		5
607	2019 ,		12
606	Online Live VM Migration Algorithms to Minimize Total Migration Time and Downtime 2019 ,		2
605	A Sustainable and User-Behavior-Aware Cyber-Physical System for Home Energy Management. <i>ACM Transactions on Cyber-Physical Systems</i> , 2019 , 3, 1-24	2.3	3
604	Orchestrating Big Data Analysis Workflows in the Cloud. <i>ACM Computing Surveys</i> , 2019 , 52, 1-41	13.4	15
603	A Network-aware and Partition-based Resource Management Scheme for Data Stream Processing 2019 ,		1
602	GoSharing: An intelligent incentive framework based on users' association for cooperative content sharing in mobile edge networks. <i>Future Generation Computer Systems</i> , 2019 , 95, 601-614	7.5	
601	Federated Learning over Wireless Networks: Optimization Model Design and Analysis 2019 ,		268

600	Efficient Data Placement and Replication for QoS-Aware Approximate Query Evaluation of Big Data Analytics. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2019 , 30, 2677-2691	3.7	9
599	Energy Efficiency Evaluation of Distributed Systems. <i>Lecture Notes in Computer Science</i> , 2019 , 756-763	0.9	
598	Ubiquitous Localization (UbiLoc): A Survey and Taxonomy on Device Free Localization for Smart World. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 3532-3564	37.1	36
597	A Novel Hierarchical Two-Tier Node-Deployment Strategy for Sustainable Wireless Sensor Networks. <i>Computer</i> , 2019 , 52, 4-5	1.6	
596	Nothing Blocks Me: Precise and Real-Time LOS/NLOS Path Recognition in RFID Systems. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 5814-5824	10.7	9
595	Reduction of Artefacts in JPEG-XR Compressed Images. <i>Sensors</i> , 2019 , 19,	3.8	2
594	An Efficient Indexing Approach for Continuous Spatial Approximate Keyword Queries over Geo-Textual Streaming Data. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 57	2.9	5
593	Fairness-Aware Dynamic Rate Control and Flow Scheduling for Network Utility Maximization in Network Service Chain. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 1059-1071	14.2	28
592	Green Data-Collection From Geo-Distributed IoT Networks Through Low-Earth-Orbit Satellites. <i>IEEE Transactions on Green Communications and Networking</i> , 2019 , 3, 806-816	4	32
591	Efficient threshold password-authenticated secret sharing protocols for cloud computing. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 128, 57-70	4.4	5
590	Energy trading with dynamic pricing for electric vehicles in a smart city environment. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 127, 169-183	4.4	32
589	AdaSampling for Positive-Unlabeled and Label Noise Learning With Bioinformatics Applications. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1932-1943	10.2	20
588	A Temporal-Information-Based Adaptive Routing Algorithm for Software Defined Vehicular Networks 2019 ,		11
587	Scalable Video Transcoding in Public Clouds 2019 ,		2
586	. <i>IEEE Transactions on Network and Service Management</i> , 2019 , 16, 924-935	4.8	119
585	Brush like a Dentist: Accurate Monitoring of Toothbrushing via Wrist-Worn Gesture Sensing 2019 ,		6
584	Blockchain for smart communities: Applications, challenges and opportunities. <i>Journal of Network and Computer Applications</i> , 2019 , 144, 13-48	7.9	158
583	SEE 2019 ,		5

582	QCF: QoS-Aware Communication Framework for Real-Time IoT Services. <i>Lecture Notes in Computer Science</i> , 2019 , 353-368	0.9	1
581	Resource Allocation and Task Scheduling in the Cloud of Sensors. <i>Studies in Systems, Decision and Control</i> , 2019 , 265-305	0.8	2
580	Disk Throughput Controller for Cloud Data-Centers 2019 ,		2
579	Using a GPU to Accelerate a Longwave Radiative Transfer Model with Efficient CUDA-Based Methods. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4039	2.6	4
578	2019 ,		27
577	. <i>IEEE Transactions on Cloud Computing</i> , 2019 , 1-1	3.3	13
576	Deep Reinforcement Learning Based VNF Management in Geo-distributed Edge Computing 2019 ,		13
575	A Manifesto for Future Generation Cloud Computing. <i>ACM Computing Surveys</i> , 2019 , 51, 1-38	13.4	110
574	Robust H_{∞} Control of Doubly Fed Wind Generator via State-Dependent Riccati Equation Technique. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 2390-2400	7	23
573	Secure authentication and load balancing of distributed edge datacenters. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 124, 60-69	4.4	23
572	TBRS: A trust based recommendation scheme for vehicular CPS network. <i>Future Generation Computer Systems</i> , 2019 , 92, 383-398	7.5	31
571	Robust Big Data Analytics for Electricity Price Forecasting in the Smart Grid. <i>IEEE Transactions on Big Data</i> , 2019 , 5, 34-45	3.2	87
570	Zeus: A resource allocation algorithm for the cloud of sensors. <i>Future Generation Computer Systems</i> , 2019 , 92, 564-581	7.5	17
569	Privacy-preserving anomaly detection in the cloud for quality assured decision-making in smart cities. <i>Journal of Parallel and Distributed Computing</i> , 2019 , 127, 209-223	4.4	6
568	A distributed incremental information acquisition model for large-scale text data. <i>Cluster Computing</i> , 2019 , 22, 2383-2394	2.1	4
567	Stackelberg Game for Energy-Aware Resource Allocation to Sustain Data Centers Using RES. <i>IEEE Transactions on Cloud Computing</i> , 2019 , 7, 1109-1123	3.3	29
566	Collective Energy-Efficiency Approach to Data Center Networks Planning. <i>IEEE Transactions on Cloud Computing</i> , 2018 , 6, 656-666	3.3	10
565	. <i>IEEE Transactions on Cloud Computing</i> , 2018 , 6, 303-315	3.3	26

564	A New Spectrum Management Scheme for Road Safety in Smart Cities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 3496-3506	6.1	15
563	Dynamic resource allocation for an energy efficient VM architecture for cloud computing 2018 ,		8
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