Athanasios V Vasilakos

List of Publications by Year
in descending order

656
papers	43,160
citations	1371
108
h-index	3407
183
g-index
676
all docs	676
docs citations	676
times ranked	30587
citing authors

#	Article	IF	Citations
1	Cloud-Edge Orchestrated Power Dispatching for Smart Grid With Distributed Energy Resources. IEEE Transactions on Cloud Computing, 2023, 11, 1194-1203.	4.4	4
2	Revocable Identity-Based Access Control for Big Data with Verifiable Outsourced Computing. IEEE Transactions on Big Data, 2022, 8, 1-13.	6.1	23
3	RNN-K: A Reinforced Newton Method for Consensus-Based Distributed Optimization and Control Over Multiagent Systems. IEEE Transactions on Cybernetics, 2022, 52, 4012-4026.	9.5	15
4	Investigating the Prospect of Leveraging Blockchain and Machine Learning to Secure Vehicular Networks: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 683-700.	8.0	56
5	Distributed Population Dynamics for Searching Generalized Nash Equilibria of Population Games With Graphical Strategy Interactions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3263-3272.	9.3	15
6	Session Invariant EEG Signatures using Elicitation Protocol Fusion and Convolutional Neural Network. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2488-2500.	5.4	11
7	BrainIoT: Brain-Like Productive Services Provisioning With Federated Learning in Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 2014-2024.	8.7	46
8	Genetic‐based adaptive momentum estimation for predicting mortality risk factors for <scp>COVID</scp>‐19 patients using deep learning. International Journal of Imaging Systems and Technology, 2022, 32, 614-628.	4.1	6
9	Deep Direct Visual Odometry. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7733-7742.	8.0	14
10	DynaComm: Accelerating Distributed CNN Training Between Edges and Clouds Through Dynamic Communication Scheduling. IEEE Journal on Selected Areas in Communications, 2022, 40, 611-625.	14.0	6
11	Quantum Speedup for Inferring the Value of Each Bit of a Solution State in Unsorted Databases Using a Bio-Molecular Algorithm on IBM Quantum's Computers. IEEE Transactions on Nanobioscience, 2022, 21, 286-293.	3.3	7
12	Cloud-Edge Collaboration in Industrial Internet of Things: A Joint Offloading Scheme Based on Resource Prediction. IEEE Internet of Things Journal, 2022, 9, 17014-17025.	8.7	24
13	Verifiable online/offline multi-keyword search for cloud-assisted Industrial Internet of Things. Journal of Information Security and Applications, 2022, 65, 103101.	2.5	9
14	Multi-Associated Parameters Aggregation-Based Routing and Resources Allocation in Multi-Core Elastic Optical Networks. IEEE/ACM Transactions on Networking, 2022, 30, 2145-2157.	3.8	29
15	Electricity Price-aware Consolidation Algorithms for Time-sensitive VM Services in Cloud Systems. IEEE Transactions on Services Computing, 2021, 14, 1726-1738.	4.6	10
16	Latency performance modeling and analysis for hyperledger fabric blockchain network. Information Processing and Management, 2021, 58, 102436.	8.6	116
17	Designing Secure User Authentication Protocol for Big Data Collection in IoT-Based Intelligent Transportation System. IEEE Internet of Things Journal, 2021, 8, 7727-7744.	8.7	58
18	Fundamentals of Quantum Programming in IBM's Quantum Computers. Studies in Big Data, 2021, , .	1.1	9

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19	Designing Blockchain-Based Access Control Protocol in IoT-Enabled Smart-Grid System. IEEE Internet of Things Journal, 2021, 8, 5744-5761.	8.7	135
20	A comprehensive survey of load balancing techniques in software-defined network. Journal of Network and Computer Applications, 2021, 174, 102856.	9.1	64
21	Privacy and Security Issues in Deep Learning: A Survey. IEEE Access, 2021, 9, 4566-4593.	4.2	120
22	A holistic approach to a context-aware IoT ecosystem with Adaptive Ubiquitous Middleware. Pervasive and Mobile Computing, 2021, 72, 101342.	3.3	10
23	Security and Privacy for Mobile Edge Caching: Challenges and Solutions. IEEE Wireless Communications, 2021, 28, 77-83.	9.0	41
24	Leveraging context-awareness for Internet of Things ecosystem: Representation, organization, and management of context. Computer Communications, 2021, 177, 33-50.	5.1	10
25	Dynamic group optimization algorithm with a mean–variance search framework. Expert Systems With Applications, 2021, 183, 115434.	7.6	1
26	Model-Free Event-Triggered Optimal Consensus Control of Multiple Euler-Lagrange Systems via Reinforcement Learning. IEEE Transactions on Network Science and Engineering, 2021, 8, 246-258.	6.4	27
27	A survey on attack detection, estimation and control of industrial cyber–physical systems. ISA Transactions, 2021, 116, 1-16.	5.7	132
28	5G-enabled Intelligent Application for Distributed Industrial Internet-of-Thing System. IEEE Transactions on Industrial Informatics, 2021, , 1-1.	11.3	5
29	Big Data Analytics for Large-scale Wireless Networks. ACM Computing Surveys, 2020, 52, 1-36.	23.0	87
30	Design and analysis of authenticated key agreement scheme in cloud-assisted cyber–physical systems. Future Generation Computer Systems, 2020, 108, 1267-1286.	7.5	98
31	Multimedia Processing Pricing Strategy in GPU-Accelerated Cloud Computing. IEEE Transactions on Cloud Computing, 2020, 8, 1264-1273.	4.4	40
32	Behavior of crossover operators in NSGA-III for large-scale optimization problems. Information Sciences, 2020, 509, 470-487.	6.9	151
33	Designing Secure Lightweight Blockchain-Enabled RFID-Based Authentication Protocol for Supply Chains in 5G Mobile Edge Computing Environment. IEEE Transactions on Industrial Informatics, 2020, 16, 7081-7093.	11.3	144
34	Optimizing virtual machine placement in IaaS data centers: taxonomy, review and open issues. Cluster Computing, 2020, 23, 837-878.	5.0	28
35	Low-Latency and Resource-Efficient Service Function Chaining Orchestration in Network Function Virtualization. IEEE Internet of Things Journal, 2020, 7, 5760-5772.	8.7	61
36	Dredas: Decentralized, reliable and efficient remote outsourced data auditing scheme with blockchain smart contract for industrial IoT. Future Generation Computer Systems, 2020, 110, 665-674.	7.5	60

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37	LAM-CIoT: Lightweight authentication mechanism in cloud-based IoT environment. Journal of Network and Computer Applications, 2020, 150, 102496.	9.1	169
38	A Survey of Context-Aware Recommendation Schemes in Event-Based Social Networks. Electronics (Switzerland), 2020, 9, 1583.	3.1	12
39	An overview of recent multi-view clustering. Neurocomputing, 2020, 402, 148-161.	5.9	93
40	Utility-Driven Data Analytics on Uncertain Data. IEEE Systems Journal, 2020, 14, 4442-4453.	4.6	23
41	Secure message propagation protocols for IoVs communication components. Computers and Electrical Engineering, 2020, 82, 106555.	4.8	36
42	The Future of Healthcare Internet of Things: A Survey of Emerging Technologies. IEEE Communications Surveys and Tutorials, 2020, 22, 1121-1167.	39.4	475
43	Lightweight Privacy-Preserving Training and Evaluation for Discretized Neural Networks. IEEE Internet of Things Journal, 2020, 7, 2663-2678.	8.7	12
44	Energy-Efficient Provisioning for Service Function Chains to Support Delay-Sensitive Applications in Network Function Virtualization. IEEE Internet of Things Journal, 2020, 7, 6116-6131.	8.7	55
45	An effective service-oriented networking management architecture for 5G-enabled internet of things. Computer Networks, 2020, 173, 107208.	5.1	70
46	An online auction mechanism for time-varying multidimensional resource allocation in clouds. Future Generation Computer Systems, 2020, 111, 27-38.	7.5	38
47	Fine-grained Powercap Allocation for Power-constrained Systems based on Multi-objective Machine Learning. IEEE Transactions on Parallel and Distributed Systems, 2020, , 1-1.	5.6	9
48	A Low-Latency Communication Scheme for Mobile Wireless Sensor Control Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 317-332.	9.3	75
49	Review of â€œExploratory Social Network Analysis with Pajekâ€•by Wouter De Nooy, Andrej Mrvar and Vladimir Batageli. Complex Adaptive Systems Modeling, 2019, 7, .	1.6	5
50	Future directions of networked control systems: A combination of cloud control and fog control approach. Computer Networks, 2019, 161, 235-248.	5.1	18
51	Guest Editorial: Special Issue on Computational Intelligence for Smart Energy Applications to Smart Cities. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 173-176.	4.9	1
52	Profit Maximization and Time Minimization Admission Control and Resource Scheduling for Cloud-Based Big Data Analytics-as-a-Service Platforms. Lecture Notes in Computer Science, 2019, , 26-47.	1.3	2
53	Association Rules Mining Among Interests and Applications for Users on Social Networks. IEEE Access, 2019, 7, 116014-116026.	4.2	19
54	SLA-Aware and Deadline Constrained Profit Optimization for Cloud Resource Management in Big Data Analytics-as-a-Service Platforms. , 2019, , .		5

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55	A Free Stale Synchronous Parallel Strategy for Distributed Machine Learning. , 2019, , .		3
56	A survey of applications research on content-centric networking. China Communications, 2019, 16, 122-140.	3.2	14
57	VNE-TD: A virtual network embedding algorithm based on temporal-difference learning. Computer Networks, 2019, 161, 251-263.	5.1	30
58	An Artificial Intelligence Driven Multi-Feature Extraction Scheme for Big Data Detection. IEEE Access, 2019, 7, 80122-80132.	4.2	11
59	Receiver-Side TCP Countermeasure in Cellular Networks. Sensors, 2019, 19, 2791.	3.8	8
60	Using hierarchical statistical analysis and deep neural networks to detect covert timing channels. Applied Soft Computing Journal, 2019, 82, 105546.	7.2	19
61	A Novel Definition of Equivalent Uniform Dose Based on Volume Dose Curve. IEEE Access, 2019, 7, 45850-45857.	4.2	0
62	Performance Evaluation of Multipath TCP Scheduling Algorithms. IEEE Access, 2019, 7, 29818-29825.	4.2	18
63	A New Secure Authentication Protocol for Telecare Medicine Information System and Smart Campus. IEEE Access, 2019, 7, 23514-23526.	4.2	33
64	Special Issue on Selected Papers from e-Health Pervasive Wireless Applications and Services 2017. Information (Switzerland), 2019, 10, 52.	2.9	2
65	Towards Agent-Based Model Specification of Smart Grid: A Cognitive Agent-Based Computing Approach. Interdisciplinary Description of Complex Systems, 2019, 17, 546-585.	0.6	3
66	Profit Optimization for Splitting and Sampling Based Resource Management in Big Data Analytics-as-a-Service Platforms in Cloud Computing Environments. , 2019, , .		0
67	Exploring the Impact of Ligand Residence Time on Molecular Communication System Performance. , 2019, , .		3
68	Minimum Cost Design of 5G Networks with UAVs, Tree-based Optical Backhauling, Micro-generation and Batteries. , 2019, , .		1
69	Design and Analysis of Secure Lightweight Remote User Authentication and Key Agreement Scheme in Internet of Drones Deployment. IEEE Internet of Things Journal, 2019, 6, 3572-3584.	8.7	218
70	The Sensable City: A Survey on the Deployment and Management for Smart City Monitoring. IEEE Communications Surveys and Tutorials, 2019, 21, 1533-1560.	39.4	196
71	Time-domain ICIC and optimized designs for 5G and beyond: a survey. Science China Information Sciences, 2019, 62, 1.	4.3	14
72	Designing blockchain-based applications a case study for imported product traceability. Future Generation Computer Systems, 2019, 92, 399-406.	7.5	147

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73	Fast and scalable distributed deep convolutional autoencoder for fMRI big data analytics. Neurocomputing, 2019, 325, 20-30.	5.9	27
74	Design of secure key management and user authentication scheme for fog computing services. Future Generation Computer Systems, 2019, 91, 475-492.	7.5	170
75	Energy-efficient and traffic-aware service function chaining orchestration in multi-domain networks. Future Generation Computer Systems, 2019, 91, 347-360.	7.5	89
76	Knowledge-aware Proactive Nodes Selection approach for energy management in Internet of Things. Future Generation Computer Systems, 2019, 92, 1142-1156.	7.5	55
77	Leader-Following Synchronization of Coupled Homogeneous and Heterogeneous Harmonic Oscillators Based on Relative Position Measurements. IEEE Transactions on Control of Network Systems, 2019, 6, 13-23.	3.7	22
78	A Novel Group Ownership Delegate Protocol for RFID Systems. Information Systems Frontiers, 2019, 21, 1153-1166.	6.4	16
79	Enabling Semantic Search Based on Conceptual Graphs over Encrypted Outsourced Data. IEEE Transactions on Services Computing, 2019, 12, 813-823.	4.6	116
80	Loop Parallelism Maximization for Multimedia Data Processing in Mobile Vehicular Clouds. IEEE Transactions on Cloud Computing, 2019, 7, 250-258.	4.4	34
81	Secure Smart Homes. ACM Computing Surveys, 2018, 50, 1-32.	23.0	69
82	Fog Computing for Sustainable Smart Cities. ACM Computing Surveys, 2018, 50, 1-43.	23.0	321
83	On Optimal and Fair Service Allocation in Mobile Cloud Computing. IEEE Transactions on Cloud Computing, 2018, 6, 815-828.	4.4	28
84	Model-Driven Development Patterns for Mobile Services in Cloud of Things. IEEE Transactions on Cloud Computing, 2018, 6, 771-784.	4.4	28
85	On the design of secure user authenticated key management scheme for multigateway‐based wireless sensor networks using ECC. International Journal of Communication Systems, 2018, 31, e3514.	2.5	24
86	Providing Healthcare-as-a-Service Using Fuzzy Rule Based Big Data Analytics in Cloud Computing. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1605-1618.	6.3	62
87	Estimating Graph Robustness Through the Randic Index. IEEE Transactions on Cybernetics, 2018, 48, 3232-3242.	9.5	21
88	Daphne: A Flexible and Hybrid Scheduling Framework in Multi-Tenant Clusters. IEEE Transactions on Network and Service Management, 2018, 15, 330-343.	4.9	9
89	Guest Editorial Special Issue on Traffic Forensics: Systems, Tools, and Experimentations. IEEE Systems Journal, 2018, 12, 7-9.	4.6	0
90	Towards Bayesian-Based Trust Management for Insider Attacks in Healthcare Software-Defined Networks. IEEE Transactions on Network and Service Management, 2018, 15, 761-773.	4.9	83

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92	Adaptive wireless communications under competition and jamming in energy constrained networks. Wireless Networks, 2018, 24, 151-171.	3.0	1
93	Secure Biometric-Based Authentication Scheme Using Chebyshev Chaotic Map for Multi-Server Environment. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 824-839.	5.4	154
94	FL: Design and Implementation of Distributed Dynamic Fault Localization. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 378-392.	5.4	1
95	Impact Assessment of Hypothesized Cyberattacks on Interconnected Bulk Power Systems. IEEE Transactions on Smart Grid, 2018, 9, 4405-4425.	9.0	54
96	Robust Order Scheduling in the Discrete Manufacturing Industry: A Multiobjective Optimization Approach. IEEE Transactions on Industrial Informatics, 2018, 14, 253-264.	11.3	47
97	User-Priority-Based Power Control in D2D Networks for Mobile Health. IEEE Systems Journal, 2018, 12, 3142-3150.	4.6	8
98	Consensus of Networked Eulerâ€"Lagrange Systems Under Time-Varying Sampled-Data Control. IEEE Transactions on Industrial Informatics, 2018, 14, 535-544.	11.3	59
99	GCHAR: An efficient Group-based Contextâ€"aware human activity recognition on smartphone. Journal of Parallel and Distributed Computing, 2018, 118, 67-80.	4.1	116
100	Intelligent collaborative system and service in value network for enterprise computing. Enterprise Information Systems, 2018, 12, 1-3.	4.7	15
101	An Adaptive Low-Power Listening Protocol for Wireless Sensor Networks in Noisy Environments. IEEE Systems Journal, 2018, 12, 2162-2173.	4.6	23
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103	An efficient ECC-based provably secure three-factor user authentication and key agreement protocol for wireless healthcare sensor networks. Computers and Electrical Engineering, 2018, 69, 534-554.	4.8	171
104	Variations in power of opinion leaders in online communication networks. Royal Society Open Science, 2018, 5, 180642.	2.4	11
105	Biometrics-Based Privacy-Preserving User Authentication Scheme for Cloud-Based Industrial Internet of Things Deployment. IEEE Internet of Things Journal, 2018, 5, 4900-4913.	8.7	159
106	Authenticated key management protocol for cloud-assisted body area sensor networks. Journal of Network and Computer Applications, 2018, 123, 112-126.	9.1	69
107	Anomaly detection and predictive maintenance for photovoltaic systems. Neurocomputing, 2018, 310, 59-68.	5.9	96
108	BSeIn: A blockchain-based secure mutual authentication with fine-grained access control system for industry 4.0. Journal of Network and Computer Applications, 2018, 116, 42-52.	9.1	313

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109	BLE mesh: a practical mesh networking development framework for public safety communications. Tsinghua Science and Technology, 2018, 23, 333-346.	6.1	11
110	A Social-Aware Virtual MAC Protocol for Energy-Efficient D2D Communications Underlying Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 8372-8385.	6.3	24
111	Dynamic group optimisation algorithm for training feed-forward neural networks. Neurocomputing, 2018, 314, 1-19.	5.9	25
112	A Security Model for Dependable Vehicle Middleware and Mobile Applications Connection. , 2018, , .		0
113	Learning Automata-Based Fault-Tolerant System for Dynamic Autonomous Unmanned Vehicular Networks. IEEE Systems Journal, 2017, 11, 2929-2938.	4.6	18
114	SeDaSC: Secure Data Sharing in Clouds. IEEE Systems Journal, 2017, 11, 395-404.	4.6	141
115	PPRank: Economically Selecting Initial Users for Influence Maximization in Social Networks. IEEE Systems Journal, 2017, 11, 2279-2290.	4.6	25
116	A review of industrial wireless networks in the context of Industry 4.0. Wireless Networks, 2017, 23, 23-41.	3.0	391
117	Device-to-Device based mobile social networking in proximity (MSNP) on smartphones: Framework, challenges and prototype. Future Generation Computer Systems, 2017, 74, 241-253.	7.5	34
118	A backoff algorithm based on self-adaptive contention window update factor for IEEE 802.11 DCF. Wireless Networks, 2017, 23, 749-758.	3.0	25
119	A Survey of Self-Organization Mechanisms in Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 441-461.	9.3	110
120	Delay and energy consumption analysis of priority guaranteed MAC protocol for wireless body area networks. Wireless Networks, 2017, 23, 1249-1266.	3.0	60
121	Internet of Vehicles for E-Health Applications: A Potential Game for Optimal Network Capacity. IEEE Systems Journal, 2017, 11, 1888-1896.	4.6	23
122	Flexible Data Access Control Based on Trust and Reputation in Cloud Computing. IEEE Transactions on Cloud Computing, 2017, 5, 485-498.	4.4	100
123	Water-Constrained Geographic Load Balancing in Data Centers. IEEE Transactions on Cloud Computing, 2017, 5, 208-220.	4.4	27
124	Guest Editorial: Special Issue on Cloud-Integrated Cyber-Physical Systems. IEEE Systems Journal, 2017, 11, 84-87.	4.6	2
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126	Machine learning on big data: Opportunities and challenges. Neurocomputing, 2017, 237, 350-361.	5.9	631

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127	Enhancing smart grid with microgrids: Challenges and opportunities. Renewable and Sustainable Energy Reviews, 2017, 72, 205-214.	16.4	343
128	Guest Editorial Data Mining in Cyber, Physical, and Social Computing. IEEE Systems Journal, 2017, 11, 194-196.	4.6	1
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130	A Manufacturing Big Data Solution for Active Preventive Maintenance. IEEE Transactions on Industrial Informatics, 2017, 13, 2039-2047.	11.3	324
131	User-Priority-Based Power Control Over the D2D Assisted Internet of Vehicles for Mobile Health. IEEE Internet of Things Journal, 2017, 4, 824-831.	8.7	24
132	PMNDN: Proxy Based Mobility Support Approach in Mobile NDN Environment. IEEE Transactions on Network and Service Management, 2017, 14, 191-203.	4.9	18
133	Vector coevolving particle swarm optimization algorithm. Information Sciences, 2017, 394-395, 273-298.	6.9	53
134	DISCS: A Distributed Coordinate System Based on Robust Nonnegative Matrix Completion. IEEE/ACM Transactions on Networking, 2017, 25, 934-947.	3.8	13
135	Robust Online Spectrum Prediction With Incomplete and Corrupted Historical Observations. IEEE Transactions on Vehicular Technology, 2017, 66, 8022-8036.	6.3	48
136	Physical Layer Security Based on Interference Alignment in K-User MIMO Y Wiretap Channels. IEEE Access, 2017, 5, 5747-5759.	4.2	19
137	Caching Strategy Based on Hierarchical Cluster for Named Data Networking. IEEE Access, 2017, 5, 8433-8443.	4.2	33
138	Exploring Data Validity in Transportation Systems for Smart Cities. , 2017, 55, 26-33.		86
139	Gradient-driven parking navigation using a continuous information potential field based on wireless sensor network. Information Sciences, 2017, 408, 100-114.	6.9	166
140	A Survey of Verifiable Computation. Mobile Networks and Applications, 2017, 22, 438-453.	3.3	37
141	On Oblivious Neighbor Discovery in Distributed Wireless Networks With Directional Antennas: Theoretical Foundation and Algorithm Design. IEEE/ACM Transactions on Networking, 2017, 25, 1982-1993.	3.8	34
142	Privacy Mindset for Developing Internet of Things Applications for Social Sensing. , 2017, , .		0
143	Molecular Communication and Nanonetwork for Targeted Drug Delivery: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 3046-3096.	39.4	127
144	Secure Authentication Scheme for Medicine Anti-Counterfeiting System in IoT Environment. IEEE Internet of Things Journal, 2017, 4, 1634-1646.	8.7	85

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145	Characterizing the role of vehicular cloud computing in road traffic management. International Journal of Distributed Sensor Networks, 2017, 13, 155014771770872.	2.2	37
146	Accelerometer and Fuzzy Vault-Based Secure Group Key Generation and Sharing Protocol for Smart Wearables. IEEE Transactions on Information Forensics and Security, 2017, 12, 2467-2482.	6.9	37
147	Small-world human brain networks: Perspectives and challenges. Neuroscience and Biobehavioral Reviews, 2017, 77, 286-300.	6.1	285
148	Robust Transceiver Design Based on Interference Alignment for Multi-User Multi-Cell MIMO Networks With Channel Uncertainty. IEEE Access, 2017, 5, 5121-5134.	4.2	12
149	Preventing Distributed Denial-of-Service Flooding Attacks With Dynamic Path Identifiers. IEEE Transactions on Information Forensics and Security, 2017, 12, 1801-1815.	6.9	46
150	A Multi-Tenant Cloud-Based DC Nano Grid for Self-Sustained Smart Buildings in Smart Cities. , 2017, 55, 14-21.		105
151	Secure Data Sharing and Searching at the Edge of Cloud-Assisted Internet of Things. IEEE Cloud Computing, 2017, 4, 34-42.	3.9	137
152	Network Security and Privacy Challenges in Smart Vehicle-to-Grid. IEEE Wireless Communications, 2017, 24, 88-98.	9.0	97
153	EPCBIR: An efficient and privacy-preserving content-based image retrieval scheme in cloud computing. Information Sciences, 2017, 387, 195-204.	6.9	163
154	Software-Defined Networking for Internet of Things: A Survey. IEEE Internet of Things Journal, 2017, 4, 1994-2008.	8.7	269
155	Big Data for Context Aware Computing â€" Perspectives and Challenges. Big Data Research, 2017, 10, 33-43.	4.2	38
156	Increase detection algorithm for concentration-encoded diffusion-based molecular communication. , 2017, , .		2
157	Web of Things Data Storage. , 2017, , 325-354.		4
158	An efficient fuzzy rule-based big data analytics scheme for providing healthcare-as-a-service. , 2017, , .		13
159	AE-shelter: An novel anti-eavesdropping scheme in wireless networks. , 2017, , .		4
160	Computing Platforms for Big Biological Data Analytics: Perspectives and Challenges. Computational and Structural Biotechnology Journal, 2017, 15, 403-411.	4.1	52
161	On the Design of Provably Secure Lightweight Remote User Authentication Scheme for Mobile Cloud Computing Services. IEEE Access, 2017, 5, 25808-25825.	4.2	97
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164	The role of big data analytics in Internet of Things. Computer Networks, 2017, 129, 459-471.	5.1	439
165	Autonomous Relay for Millimeter-Wave Wireless Communications. IEEE Journal on Selected Areas in Communications, 2017, 35, 2127-2136.	14.0	67
166	IoT-Based Big Data Storage Systems in Cloud Computing: Perspectives and Challenges. IEEE Internet of Things Journal, 2017, 4, 75-87.	8.7	427
167	Brain computer interface: control signals review. Neurocomputing, 2017, 223, 26-44.	5.9	374
168	Information-centric cost-efficient optimization for multimedia content delivery in mobile vehicular networks. Computer Communications, 2017, 99, 93-106.	5.1	45
169	False Data Injection on State Estimation in Power Systemsâ€"Attacks, Impacts, and Defense: A Survey. IEEE Transactions on Industrial Informatics, 2017, 13, 411-423.	11.3	403
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171	An Empirical Comparison of Algorithms to Find Communities in Directed Graphs and Their Application in Web Data Analytics. IEEE Transactions on Big Data, 2017, 3, 289-306.	6.1	20
172	Recent advances on state estimation for power grids with unconventional measurements. IET Control Theory and Applications, 2017, 11, 3221-3232.	2.1	18
173	Value-Based Caching in Information-Centric Wireless Body Area Networks. Sensors, 2017, 17, 181.	3.8	14
174	A Quantitative Risk Assessment Model Involving Frequency and Threat Degree under Line-of-Business Services for Infrastructure of Emerging Sensor Networks. Sensors, 2017, 17, 642.	3.8	10
175	Design and Analysis of an Efficient Energy Algorithm in Wireless Social Sensor Networks. Sensors, 2017, 17, 2166.	3.8	4
176	Energy-Aware Cluster Reconfiguration Algorithm for the Big Data Analytics Platform Spark. Sustainability, 2017, 9, 2357.	3.2	4
177	Self-Adaptive Pre-Processing Methodology for Big Data Stream Mining in Internet of Things Environmental Sensor Monitoring. Symmetry, 2017, 9, 244.	2.2	12
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180	Message Forwarding Strategies. , 2017, , 85-115.		0

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181	Profile Matching and Recommendation Systems in Proximity Service. , 2017, , 119-153.		0
182	Accelerated PSO Swarm Search Feature Selection for Data Stream Mining Big Data. IEEE Transactions on Services Computing, 2016, 9, 33-45.	4.6	192
183	A Voting-Based Femtocell Downlink Cell-Breathing Control Mechanism. IEEE/ACM Transactions on Networking, 2016, 24, 85-98.	3.8	16
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