Dusit Tao Niyato

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.

711 papers	27,143 citations	80 h-index	145 g-index
808 ext. papers	34,916 ext. citations	9 avg, IF	8.07 L-index

#	Paper	IF	Citations
711	Secure Wirelessly Powered Networks at the Physical Layer: Challenges, Countermeasures, and Road Ahead. *Proceedings of the IEEE*, **2022**, 110, 193-209	14.3	1
710	Applications of Auction and Mechanism Design in Edge Computing: A Survey. *IEEE Transactions on Cognitive Communications and Networking*, **2022**, 1-1	6.6	4
709	Adaptive Aggregate Transmission for Device-to-Multi-Device Aided Cooperative NOMA Networks. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	1
708	Dynamics in Coded Edge Computing for IoT: A Fractional Evolutionary Game Approach. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	0
707	Dynamic Network Service Selection in Intelligent Reflecting Surface-Enabled Wireless Systems: Game Theory Approaches. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	1
706	A Hierarchical Incentive Design Toward Motivating Participation in Coded Federated Learning. *IEEE Journal on Selected Areas in Communications*, **2022**, 40, 359-375	14.2	5
705	Learning to Schedule Joint Radar-Communication With Deep Multi-Agent Reinforcement Learning. *IEEE Transactions on Vehicular Technology*, **2022**, 71, 406-422	6.8	2
704	Federated Transfer Learning With Client Selection for Intrusion Detection in Mobile Edge Computing. *IEEE Communications Letters*, **2022**, 1-1	3.8	4
703	Learning to Optimize User Association and Spectrum Allocation with Partial Observation in mmWave-Enabled UAV Networks. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	0
702	Stochastic Coded Offloading Scheme for Unmanned Aerial Vehicle-Assisted Edge Computing. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	1
701	Risk Adversarial Learning System for Connected and Autonomous Vehicle Charging. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	0
700	Auction Mechanisms in Cloud/Fog Computing Resource Allocation for Public Blockchain Networks **2022**, 55-80		0
699	Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks **2022**, 81-106		
698	Towards Communication-Efficient and Attack-Resistant Federated Edge Learning for Industrial Internet of Things. *ACM Transactions on Internet Technology*, **2022**, 22, 1-22	3.8	6
697	Towards Small AoI and Low Latency via Operator Content Platform: A Contract Theory-Based Pricing. *IEEE Transactions on Communications*, **2022**, 70, 366-378	6.9	1
696	Decentralized Edge Intelligence: A Dynamic Resource Allocation Framework for Hierarchical Federated Learning. *IEEE Transactions on Parallel and Distributed Systems*, **2022**, 33, 536-550	3.7	35
695	Mean-Field Artificial Noise Assistance and Uplink Power Control in Covert IoT Systems. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	3

694	Performance and Optimization of Reconfigurable Intelligent Surface Aided THz Communications. *IEEE Transactions on Communications*, **2022**, 1-1	6.9	8
693	A Novel Joint Dataset and Incentive Management Mechanism for Federated Learning Over MEC. *IEEE Access*, **2022**, 10, 30026-30038	3.5	1
692	Access Management in Joint Sensing and Communication Systems: Efficiency versus Fairness. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	0
691	Data Heterogeneity-Robust Federated Learning via Group Client Selection in Industrial IoT. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	5
690	Applications of Multi-Agent Reinforcement Learning in Future Internet: A Comprehensive Survey. *IEEE Communications Surveys and Tutorials*, **2022**, 1-1	37.1	1
689	Predictive Maintenance Model for IIoT-based Manufacturing: A Transferable Deep Reinforcement Learning Approach. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	0
688	When Optimization Meets Machine Learning: The Case of IRS-Assisted Wireless Networks. *IEEE Network*, **2022**, 1-9	11.4	
687	Robust Semi-supervised Federated Learning for Images Automatic Recognition in Internet of Drones. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	0
686	Enhanced Modulation for Multi-Users Molecular Communication in Internet of Nano Things. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	1
685	Reconfigurable Intelligent Surface-Aided Joint Radar and Covert Communications: Fundamentals, Optimization, and Challenges. *IEEE Vehicular Technology Magazine*, **2022**, 2-12	9.9	1
684	Secure and Efficient Coded Multi-Access Edge Computing with Generalized Graph Neural Networks. *IEEE Transactions on Mobile Computing*, **2022**, 1-1	4.6	0
683	Heterogeneous Federated Learning via Grouped Sequential-to-Parallel Training. *Lecture Notes in Computer Science*, **2022**, 455-471	0.9	1
682	Communication-Efficient and Cross-chain Empowered Federated Learning for Artificial Intelligence of Things. *IEEE Transactions on Network Science and Engineering*, **2022**, 1-1	4.9	9
681	Incentive Mechanisms for Federated Learning: From Economic and Game Theoretic Perspective. *IEEE Transactions on Cognitive Communications and Networking*, **2022**, 1-1	6.6	2
680	Efficient Federated Learning with Spike Neural Networks for Traffic Sign Recognition. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	5
679	Augmented Human Intelligence for Decision Making in Maintenance Risk Taking Tasks using Reinforcement Learning **2021**,		1
678	IEEE TCCN Special Section Editorial: Convergence of Collaborative Distributed Machine Learning and Edge Computing Toward Intelligent Networking. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 7, 1016-1020	6.6	
677	**2021**,		1

676	An Effective Framework of Private Ethereum Blockchain Networks for Smart Grid **2021**,		1
675	A Double Auction Mechanism for Resource Allocation in Coded Vehicular Edge Computing. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	2
674	Artificial-Noise-Aided Coordinated Secure Transmission Design in Multi-Cell Multi-Antenna Networks with Limited Feedback. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	3
673	Reputation-aware Hedonic Coalition Formation for Efficient Serverless Hierarchical Federated Learning. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 1-1	3.7	3
672	IRS-Assisted Secure UAV Transmission via Joint Trajectory and Beamforming Design. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	21
671	Spatial-Temporal Aggregation Graph Convolution Network for Efficient Mobile Cellular Traffic Prediction. *IEEE Communications Letters*, **2021**, 1-1	3.8	3
670	IEEE Communications Surveys and Tutorials. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 2058-2063	37.6	1
669	Jammer-Assisted Secure Precoding and Feedback Design for MIMO IoT Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
668	Intelligent Reflecting Surface-Assisted Bistatic Backscatter Networks: Joint Beamforming and Reflection Design. *IEEE Transactions on Green Communications and Networking*, **2021**, 1-1	4	1
667	Robust Beamforming Optimization for Self-Sustainable Intelligent Reflecting Surface Assisted Wireless Networks. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1	6.6	2
666	Optimal Power Allocation for Rate Splitting Communications With Deep Reinforcement Learning. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	6
665	Decentralized Learning for Channel Allocation in IoT Networks over Unlicensed Bandwidth as a Contextual Multi-player Multi-armed Bandit Game. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	1
664	Dynamic Edge Association and Resource Allocation in Self-Organizing Hierarchical Federated Learning Networks. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 3640-3653	14.2	22
663	On Coordination of Smart Grid and Cooperative Cloud Providers. *IEEE Systems Journal*, **2021**, 15, 672-683	4.3	2
662	Joint Auction-Coalition Formation Framework for Communication-Efficient Federated Learning in UAV-Enabled Internet of Vehicles. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 2326-2344	6.1	28
661	Jamming Mitigation in JRC Systems via Deep Reinforcement Learning and Backscatter-supported Intelligent Deception Strategy **2021**,		1
660	. *IEEE Transactions on Wireless Communications*, **2021**, 20, 2977-2990	9.6	15
659	Coverage and area spectral efficiency analysis of dense terahertz networks in finite region. *China Communications*, **2021**, 18, 120-130	3	0

658	A Hierarchical Game Model for OFDM Integrated Radar and Communication Systems. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 5077-5082	6.8	2
657	Incentive-Based Coded Distributed Computing Management for Latency Reduction in IoT Services: A Game Theoretic Approach. *IEEE Internet of Things Journal*, **2021**, 8, 8259-8278	10.7	5
656	A Novel Joint Mobile Cache and Power Management Scheme for Energy-Efficient Mobile Augmented Reality Service in Mobile Edge Computing. *IEEE Wireless Communications Letters*, **2021**, 10, 1061-1065	5.9	5
655	. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 4924-4942	6.8	2
654	Dynamic Network Service Selection in IRS-Assisted Wireless Networks: A Game Theory Approach. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 5160-5165	6.8	4
653	Energy Consumption Minimization in UAV-Assisted Mobile-Edge Computing Systems: Joint Resource Allocation and Trajectory Design. *IEEE Internet of Things Journal*, **2021**, 8, 8570-8584	10.7	11
652	. *IEEE Internet of Things Journal*, **2021**, 8, 8865-8882	10.7	4
651	Cooperative UAV-Assisted Secure Uplink Communications With Propulsion Power Limitation **2021**,		1
650	Opportunistic Coded Distributed Computing: An Evolutionary Game Approach **2021**,		1
649	AI-Assisted MAC for Reconfigurable Intelligent-Surface-Aided Wireless Networks: Challenges and Opportunities. *IEEE Communications Magazine*, **2021**, 59, 21-27	9.1	11
648	. *IEEE Internet of Things Journal*, **2021**, 8, 8836-8853	10.7	51
647	Contract-Theoretic Pricing for Security Deposits in Sharded Blockchain With Internet of Things (IoT). *IEEE Internet of Things Journal*, **2021**, 8, 10052-10070	10.7	5
646	UAV-Aided Multi-Antenna Covert Communication Against Multiple Wardens **2021**,		3
645	Bayesian Reinforcement Learning and Bayesian Deep Learning for Blockchains With Mobile Edge Computing. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 7, 319-335	6.6	10
644	Dynamic Model for Network Selection in Next Generation HetNets With Memory-Affecting Rational Users. *IEEE Transactions on Mobile Computing*, **2021**, 20, 1365-1379	4.6	5
643	Joint Trajectory Design and Resource Allocation for Secure Transmission in Cache-Enabled UAV-Relaying Networks With D2D Communications. *IEEE Internet of Things Journal*, **2021**, 8, 1557-1571	10.7	14
642	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. *IEEE Internet of Things Journal*, **2021**, 8, 4157-4185	10.7	91
641	. *IEEE Transactions on Wireless Communications*, **2021**, 20, 375-388	9.6	125

640	Modeling of Multilayer Multicontent Latent Tree and Its Applications. *IEEE Transactions on Computational Social Systems*, **2021**, 8, 5-19	4.5	
639	A Multi-Leader Multi-Follower Game-Based Analysis for Incentive Mechanisms in Socially-Aware Mobile Crowdsensing. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1457-1471	9.6	10
638	. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1963-1974	9.6	41
637	Network Slicing for 5G with UE State Based Allocation and Blockchain Approach. *IEEE Network*, **2021**, 35, 184-190	11.4	4
636	Toward Smart Security Enhancement of Federated Learning Networks. *IEEE Network*, **2021**, 35, 340-347	11.4	6
635	UAV-Assisted Wireless Energy and Data Transfer With Deep Reinforcement Learning. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 7, 85-99	6.6	23
634	A Deep Reinforcement Learning Approach for Backscatter-Assisted Relay Communications. *IEEE Wireless Communications Letters*, **2021**, 10, 166-169	5.9	2
633	Revenue-Optimal Auction For Resource Allocation in Wireless Virtualization: A Deep Learning Approach. *IEEE Transactions on Mobile Computing*, **2021**, 1-1	4.6	0
632	LEO-Satellite-Assisted UAV: Joint Trajectory and Data Collection for Internet of Remote Things in 6G Aerial Access Networks. *IEEE Internet of Things Journal*, **2021**, 8, 9814-9826	10.7	25
631	. *IEEE Internet of Things Journal*, **2021**, 8, 1817-1829	10.7	79
630	Radio Resource Sharing and Edge Caching with Latency Constraint for Local 5G Operator: Geometric Programming Meets Stackelberg Game. *IEEE Transactions on Mobile Computing*, **2021**, 20, 707-721	4.6	3
629	Learning-Based Mobile Edge Computing Resource Management to Support Public Blockchain Networks. *IEEE Transactions on Mobile Computing*, **2021**, 20, 1092-1109	4.6	22
628	Deep Reinforcement Learning Based Predictive Maintenance Model for Effective Resource Management in Industrial IoT. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	1
627	Throughput-Maximized Relay Mode Selection and Resource Sharing **2021**, 73-96		
626	Reconfigurable Intelligent Surface Aided Power Control for Physical-Layer Broadcasting. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	4
625	Optimal Status Update for Caching Enabled IoT Networks: A Dueling Deep R-Network Approach. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	5
624	Soft-Health: Software-defined Fog Architecture for IoT Applications in Healthcare. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	3
623	Reflection Resource Management for Intelligent Reflecting Surface Aided Wireless Networks. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	6

622	Meta Distribution of the SINR for mmWave Cellular Networks With Clusters. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	3
621	eICIC configuration of Downlink and Uplink Decoupling with SWIPT in 5G Dense IoT HetNets. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	1
620	Short-Packet Backscatter Assisted Wireless-Powered Relaying with NOMA: Mode Selection with Performance Estimation. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1	6.6	4
619	Big Data Resource Management & Networks: Taxonomy, Survey, and Future Directions. *IEEE Communications Surveys and Tutorials*, **2021**, 1-1	37.1	7
618	Auction-Based Time Scheduling **2021**, 9-34		
617	Evolutionary Game-Based Access Point and Service Selection **2021**, 49-72		
616	Radio Resource Management in Joint Radar and Communication: A Comprehensive Survey. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 780-814	37.1	22
615	A Survey of 6G Wireless Communications: Emerging Technologies. *Advances in Intelligent Systems and Computing*, **2021**, 150-170	0.4	5
614	Optimization-driven Hierarchical Learning Framework for Wireless Powered Backscatter-aided Relay Communications. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	1
613	Distributed Resource Allocation in RF-Powered Cognitive Ambient Backscatter Networks. *IEEE Transactions on Green Communications and Networking*, **2021**, 1-1	4	2
612	Contract-Based Time Assignment **2021**, 35-47		
611	Fast, Reliable, and Secure Drone Communication: A Comprehensive Survey. *IEEE Communications Surveys and Tutorials*, **2021**, 1-1	37.1	17
610	UAV-Aided Covert Communication With a Multi-Antenna Jammer. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	5
609	Blockchain and 6G: The Future of Secure and Ubiquitous Communication. *IEEE Wireless Communications*, **2021**, 1-8	13.4	10
608	UAV-Assisted Time-Efficient Data Collection via Uplink NOMA. *IEEE Transactions on Communications* , **2021**, 1-1	6.9	4
607	Adaptive Task Offloading in Coded Edge Computing: A Deep Reinforcement Learning Approach. *IEEE Communications Letters*, **2021**, 1-1	3.8	1
606	A Joint Energy and Latency Framework for Transfer Learning Over 5G Industrial Edge Networks. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	5
605	Brain Storm Optimization-Based Edge Caching in Fog Radio Access Networks. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 1807-1820	6.8	5

604	Optimizing Task Assignment for Reliable Blockchain-Empowered Federated Edge Learning. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 1910-1923	6.8	19
603	Time-Efficient Uplink Data Collection for UAV-assisted NOMA networks **2021**,		1
602	Robust Beamforming for IRS-assisted Wireless Communications under Channel Uncertainty **2021**,		3
601	Converged Reconfigurable Intelligent Surface and Mobile Edge Computing for Space Information Networks. *IEEE Network*, **2021**, 35, 42-48	11.4	4
600	Shipper Cooperation in Stochastic Drone Delivery: A Dynamic Bayesian Game Approach. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 7437-7452	6.8	3
599	Towards Federated Learning in UAV-Enabled Internet of Vehicles: A Multi-Dimensional Contract-Matching Approach. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 5140-5154	6.1	39
598	Age of Information Aware Content Resale Mechanism With Edge Caching. *IEEE Transactions on Communications*, **2021**, 69, 5269-5282	6.9	1
597	Blockchain and Artificial Intelligence for Dynamic Resource Sharing in 6G and Beyond. *IEEE Wireless Communications*, **2021**, 28, 145-151	13.4	19
596	Cost-Effective Active Sparse Urban Sensing: Adversarial Autoencoder Approach. *IEEE Internet of Things Journal*, **2021**, 8, 12064-12078	10.7	2
595	Covert Communication in UAV-Assisted Air-Ground Networks. *IEEE Wireless Communications*, **2021**, 28, 190-197	13.4	14
594	Improper Gaussian Signaling for D2D Communication Coexisting MISO Cellular Networks. *IEEE Transactions on Wireless Communications*, **2021**, 20, 5186-5198	9.6	3
593	Federated Learning Meets Blockchain in Edge Computing: Opportunities and Challenges. *IEEE Internet of Things Journal*, **2021**, 8, 12806-12825	10.7	50
592	Decentralized Online Learning With Compressed Communication for Near-Sensor Data Analytics. *IEEE Communications Letters*, **2021**, 25, 2958-2962	3.8	
591	Cyber Insurance Design for Validator Rotation in Sharded Blockchain Networks: A Hierarchical Game-Based Approach. *IEEE Transactions on Network and Service Management*, **2021**, 18, 3092-3106	4.8	3
590	Socially-Aware-Clustering-Enabled Federated Learning for Edge Networks. *IEEE Transactions on Network and Service Management*, **2021**, 18, 2641-2658	4.8	6
589	Detection of Sleeping Cells in Self-Organizing Cellular Networks: An Adversarial Auto-Encoder Method. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 7, 739-751	6.6	0
588	. *IEEE Transactions on Mobile Computing*, **2021**, 20, 2763-2778	4.6	9
587	Optimal Mechanism Design in the Sponsored Content Service Market. *IEEE Communications Letters*, **2021**, 25, 3051-3054	3.8	

586	Throughput Maximization for IRS-Assisted Wireless Powered Hybrid NOMA and TDMA. *IEEE Wireless Communications Letters*, **2021**, 10, 1944-1948	5.9	21
585	. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 3035-3050	14.2	22
584	Throughput-Efficient Lagrange Coded Private Blockchain for Secured IoT Systems. *IEEE Internet of Things Journal*, **2021**, 8, 14874-14895	10.7	6
583	Computation offloading and content caching and delivery in Vehicular Edge Network: A survey. *Computer Networks*, **2021**, 197, 108228	5.4	3
582	Joint UAV-Placement and Data Delivery in Aerial Inspection under Uncertainties. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	1
581	Cooperative Scheme for Backscatter-Aided Passive Relay Communications in Wireless-Powered D2D Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	6
580	Challenges and Countermeasures for Adversarial Attacks on Deep Reinforcement Learning. *IEEE Transactions on Artificial Intelligence*, **2021**, 1-1	4.7	5
579	6G Internet of Things: A Comprehensive Survey. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	63
578	Dual-UAV Enabled Secure Data Collection With Propulsion Limitation. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	3
577	Securing Data Sharing from the Sky: Integrating Blockchains into Drones in 5G and Beyond. *IEEE Network*, **2021**, 35, 78-85	11.4	11
576	A Comprehensive Survey on Coded Distributed Computing: Fundamentals, Challenges, and Networking Applications. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 1800-1837	37.1	8
575	Slicing-based Reliable Resource Orchestration for Secure Software Defined Edge-Cloud Computing Systems. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	1
574	UAV-assisted Communication Efficient Federated Learning in the Era of the Artificial Intelligence of Things. *IEEE Network*, **2021**, 1-8	11.4	12
573	Protecting Multi-function Wireless Systems From Jammers with Backscatter Assistance: An Intelligent Strategy. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	1
572	Blockchain for Future Smart Grid: A Comprehensive Survey. *IEEE Internet of Things Journal*, **2021**, 8, 18-43	10.7	115
571	Spectrum-Learning-Aided Reconfigurable Intelligent Surfaces for Green 6G Networks. *IEEE Network*, **2021**, 35, 20-26	11.4	3
570	Latency Minimization in Covert Communication-Enabled Federated Learning Network. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 13447-13452	6.8	2
569	Reliable Federated Learning for Mobile Networks. *IEEE Wireless Communications*, **2020**, 27, 72-80	13.4	142

568	Federated Learning in Mobile Edge Networks: A Comprehensive Survey. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 2031-2063	37.1	414
567	A Multi-Dimensional Contract Approach for Data Rewarding in Mobile Networks. *IEEE Transactions on Wireless Communications*, **2020**, 19, 5779-5793	9.6	13
566	Overview of Modern Computer Networks **2020**, 11-51		
565	Mechanism Design and Auction Theory in Computer Networks **2020**, 52-71		
564	Open-Cry Auction **2020**, 72-99		
563	First-Price Sealed-Bid Auction **2020**, 100-118		
562	Double-Sided Auction **2020**, 189-214		
561	Other Auctions **2020**, 215-235		
560	Second-Price Sealed-Bid Auction **2020**, 119-157		
559	Combinatorial Auction **2020**, 158-188		
558	Optimal Auction Using Machine Learning **2020**, 236-259		
557	A Sustainable Incentive Scheme for Federated Learning. *IEEE Intelligent Systems*, **2020**, 35, 58-69	4.2	19
556	Reliable and Efficient Multimedia Service Optimization for Edge Computing-Based 5G Networks: Game Theoretic Approaches. *IEEE Transactions on Network and Service Management*, **2020**, 17, 1610-1625	4.8	10
555	Market Analysis of Distributed Learning Resource Management for Internet of Things: A Game-Theoretic Approach. *IEEE Internet of Things Journal*, **2020**, 7, 8430-8439	10.7	12
554	Traffic-Aware Multiple Association in Ultradense Networks: A State-Based Potential Game. *IEEE Systems Journal*, **2020**, 14, 4356-4367	4.3	2
553	Intelligent Reflecting Surface Enabled Covert Communications in Wireless Networks. *IEEE Network*, **2020**, 34, 148-155	11.4	31
552	Toward Smart Wireless Communications via Intelligent Reflecting Surfaces: A Contemporary Survey. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 2283-2314	37.1	216
551	Incentive Mechanism Design for Mobile Data Rewards using Multi-Dimensional Contract **2020**,		3

550	Active Learning-Based Fault Diagnosis in Self-Organizing Cellular Networks. *IEEE Communications Letters*, **2020**, 24, 1734-1737	3.8	1
549	Joint Pricing and Security Investment in Cloud Security Service Market with User Interdependency. *IEEE Transactions on Services Computing*, **2020**, 1-1	4.8	0
548	Capitalizing Backscatter-Aided Hybrid Relay Communications With Wireless Energy Harvesting. *IEEE Internet of Things Journal*, **2020**, 7, 8709-8721	10.7	13
547	IRS-Based Wireless Jamming Attacks: When Jammers Can Attack Without Power. *IEEE Wireless Communications Letters*, **2020**, 9, 1663-1667	5.9	20
546	Toward an Automated Auction Framework for Wireless Federated Learning Services Market. *IEEE Transactions on Mobile Computing*, **2020**, 1-1	4.6	26
545	"Borrowing Arrows with Thatched Boats": The Art of Defeating Reactive Jammers in IoT Networks. *IEEE Wireless Communications*, **2020**, 27, 79-87	13.4	13
544	A Machine-Learning-Based Auction for Resource Trading in Fog Computing. *IEEE Communications Magazine*, **2020**, 58, 82-88	9.1	23
543	A Stackelberg Game Approach for Sponsored Content Management in Mobile Data Market With Network Effects. *IEEE Internet of Things Journal*, **2020**, 7, 5184-5201	10.7	12
542	Training Task Allocation in Federated Edge Learning: A Matching-Theoretic Approach **2020**,		5
541	Joint Cache Placement, Flight Trajectory, and Transmission Power Optimization for Multi-UAV Assisted Wireless Networks. *IEEE Transactions on Wireless Communications*, **2020**, 19, 5389-5403	9.6	38
540	Optimization-driven Hierarchical Deep Reinforcement Learning for Hybrid Relaying Communications **2020**,		10
539	Joint Energy Beamforming and Optimization for Intelligent Reflecting Surface Enhanced Communications **2020**,		8
538	Robust Secure Transmission and Power Transfer in Heterogeneous Networks With Confidential Information. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 11192-11205	6.8	1
537	Reputation-Based Coalition Formation for Secure Self-Organized and Scalable Sharding in IoT Blockchains With Mobile-Edge Computing. *IEEE Internet of Things Journal*, **2020**, 7, 11830-11850	10.7	12
536	Data Services Sales Design With Mixed Bundling Strategy: A Multidimensional Adverse Selection Approach. *IEEE Internet of Things Journal*, **2020**, 7, 8826-8836	10.7	3
535	Optimal Pricing of Internet of Things: A Machine Learning Approach. *IEEE Journal on Selected Areas in Communications*, **2020**, 38, 669-684	14.2	9
534	Intelligent Sharing for LTE and WiFi Systems in Unlicensed Bands: A Deep Reinforcement Learning Approach. *IEEE Transactions on Communications*, **2020**, 68, 2793-2808	6.9	21
533	Dynamic Game and Pricing for Data Sponsored 5G Systems With Memory Effect. *IEEE Journal on Selected Areas in Communications*, **2020**, 38, 750-765	14.2	1

532	Spectrum Intelligent Radio: Technology, Development, and Future Trends. *IEEE Communications Magazine*, **2020**, 58, 12-18	9.1	11
531	. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 869-904	37.1	329
530	Information Trading in Internet of Things for Smart Cities: A Market-Oriented Analysis. *IEEE Network*, **2020**, 34, 122-129	11.4	17
529	The Best of Both Worlds: A General Architecture for Data Management in Blockchain-enabled Internet-of-Things. *IEEE Network*, **2020**, 34, 166-173	11.4	49
528	Privacy-Preserving Traffic Flow Prediction: A Federated Learning Approach. *IEEE Internet of Things Journal*, **2020**, 7, 7751-7763	10.7	113
527	Cognitive Radio Networks with Ambient Backscatter Communication **2020**, 125-156		
526	Ambient Backscatter Relay Communication **2020**, 157-192		
525	Performance Improvement for Ambient Backscatter Communication Systems **2020**, 221-244		
524	. *IEEE Internet of Things Journal*, **2020**, 7, 9575-9588	10.7	51
523	Combining Contract Theory and Lyapunov Optimization for Content Sharing With Edge Caching and Device-to-Device Communications. *IEEE/ACM Transactions on Networking*, **2020**, 28, 1213-1226	3.8	14
522	Self-Sustaining Wireless Communication Networks **2020**, 3-32		
521	Mean Field Game for Equilibrium Analysis of Mining Computational Power in Blockchains. *IEEE Internet of Things Journal*, **2020**, 7, 7625-7635	10.7	4
520	Demand-Side Scheduling Based on Multi-Agent Deep Actor-Critic Learning for Smart Grids **2020**,		2
519	Intelligent Reflecting Surface-Aided Backscatter Communications **2020**,		11
518	Communication-Efficient Federated Learning for Anomaly Detection in Industrial Internet of Things **2020**,		9
517	Completion Time and Energy Optimization in the UAV-Enabled Mobile-Edge Computing System. *IEEE Internet of Things Journal*, **2020**, 7, 7808-7822	10.7	61
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