User Activity Detection and Channel Estimation for Gra Satellite-Enabled Internet of Things

IEEE Internet of Things Journal 7, 8811-8825

DOI: 10.1109/jiot.2020.2997336

Citation Report

#	Article	IF	CITATIONS
1	Dense Small Satellite Networks for Modern Terrestrial Communication Systems: Benefits, Infrastructure, and Technologies. IEEE Wireless Communications, 2020, 27, 96-103.	9.0	44
2	Multiobjective Anti-Collision for Massive Access Ranging in MF-TDMA Satellite Communication System. IEEE Internet of Things Journal, 2022, 9, 14655-14666.	8.7	2
3	STREAM: Medium Access Control With Station Presence Awareness in Crowded Networks. IEEE Systems Journal, 2021, , 1-10.	4.6	3
4	A novel random access scheme for M2M communication in crowded asynchronous massive MIMO systems. IET Communications, 2021, 15, 1597-1605.	2.2	o
5	A multi-constraint optimal routing algorithm in LEO satellite networks. Wireless Networks, $0,$, $1.$	3.0	4
6	Satellite routing in space-air-ground integrated IoT networks. , 2021, , .		4
7	Robust Design for Integrated Satellite–Terrestrial Internet of Things. IEEE Internet of Things Journal, 2021, 8, 9072-9083.	8.7	21
8	Diversity-Oriented Grant-Free Transmissions for Underwater Wireless Networks. , 2021, , .		1
9	Analysis and Optimization of Massive Access to the IoT Relying on Multi-Pair Two-Way Massive MIMO Relay Systems. IEEE Transactions on Communications, 2021, 69, 4585-4598.	7.8	11
10	Ultra-Dense LEO Satellite Constellations: How Many LEO Satellites Do We Need?. IEEE Transactions on Wireless Communications, 2021, 20, 4843-4857.	9.2	56
11	HAP-Reserved Communications in Space-Air-Ground Integrated Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 8286-8291.	6. 3	13
12	Information Cofreshness-Aware Grant Assignment and Transmission Scheduling for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 14435-14446.	8.7	3
13	Optimally Supporting IoT with Cell-Free Massive MIMO. , 2020, , .		5
14	A Techno-Economic Framework for Satellite Networks Applied to Low Earth Orbit Constellations: Assessing Starlink, OneWeb and Kuiper. IEEE Access, 2021, 9, 141611-141625.	4.2	58
15	Sum-Rate Maximization for UAV Aided Wireless Power Transfer in Space-Air-Ground Networks. IEEE Access, 2020, 8, 216231-216244.	4.2	8
16	Grant-Free Random Access in Massive MIMO Based LEO Satellite Internet of Things. , 2021, , .		3
17	A Non-Stationary GBSM for 6G LEO Satellite Communication Systems. , 2021, , .		7
18	Joint Active User Detection and Channel Estimation for Grant-Free NOMA-OTFS in LEO Constellation Internet-of-Things. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
19	Toward Data Collection and Transmission in 6G Space–Air–Ground Integrated Networks: Cooperative HAP and LEO Satellite Schemes. IEEE Internet of Things Journal, 2022, 9, 10516-10528.	8.7	24
20	Satellite- and Cache-Assisted UAV: A Joint Cache Placement, Resource Allocation, and Trajectory Optimization for 6G Aerial Networks. IEEE Open Journal of Vehicular Technology, 2022, 3, 40-54.	4.9	24
21	Analysis of Ground Station Network Resources for Giant Constellation TT&C Service., 2020,,.		2
22	Time-Extended Pathfinding Optimization in Mobile LEO Satellite Communication Networks., 2021,,.		1
23	Joint Device Detection, Channel Estimation, and Data Decoding With Collision Resolution for MIMO Massive Unsourced Random Access. IEEE Journal on Selected Areas in Communications, 2022, 40, 1535-1555.	14.0	16
24	Bayesian Learning-Based Multiuser Detection for Grant-Free NOMA Systems. IEEE Transactions on Wireless Communications, 2022, 21, 6317-6328.	9.2	9
25	Joint Activity and Channel Estimation for Extra-Large MIMO Systems. IEEE Transactions on Wireless Communications, 2022, 21, 7253-7270.	9.2	12
26	Machine Learning-Based Satellite Routing for SAGIN IoT Networks. Electronics (Switzerland), 2022, 11, 862.	3.1	5
27	Detection of Burst Users and Symbols for Grant-Free Communication in the Presence of Massive Connected Users. IEEE Transactions on Vehicular Technology, 2022, 71, 7973-7978.	6.3	0
28	Grant Free Age-Optimal Random Access Protocol for Satellite-Based Internet of Things. IEEE Transactions on Communications, 2022, 70, 3947-3961.	7.8	8
29	OFDM-Based Massive Grant-Free Transmission Over Frequency-Selective Fading Channels. IEEE Transactions on Communications, 2022, 70, 4543-4558.	7.8	4
30	Futuristic view of the Internet of Quantum Drones: Review, challenges and research agenda. Vehicular Communications, 2022, 36, 100487.	4.0	33
31	Joint Bayesian Channel Estimation and Data Detection for OTFS Systems in LEO Satellite Communications. IEEE Transactions on Communications, 2022, 70, 4386-4399.	7.8	4
32	Deep Learning-Based Activity Detection for Grant-Free Random Access. IEEE Systems Journal, 2023, 17, 940-951.	4.6	3
33	Software defined intelligent satellite-terrestrial integrated networks: Insights and challenges. Digital Communications and Networks, 2023, 9, 1331-1339.	5.0	5
34	Research on the Application of LEO Satellite in IOT. , 2022, , .		7
35	Grant-Free Access for Extra-Large MIMO Systems Subject to Spatial Non-Stationarity. , 2022, , .		2
36	A Neural-Network-Based Uplink Interference Identification Algorithm for Ultra-Dense Networks. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
37	Random Access With Massive MIMO-OTFS in LEO Satellite Communications. IEEE Journal on Selected Areas in Communications, 2022, 40, 2865-2881.	14.0	15
38	Fetching Ecosystem Monitoring Data in Extreme Areas via a Drone-Enabled Internet of Remote Things. IEEE Internet of Things Journal, 2022, 9, 25052-25067.	8.7	7
39	Deep Learning-Based User Activity Detection and Channel Estimation in Grant-Free NOMA. IEEE Transactions on Wireless Communications, 2023, 22, 2202-2214.	9.2	6
40	Compressed Sensing Based Active User Detection in MIMO Systems With One-Bit ADC. IEEE Transactions on Vehicular Technology, 2023, 72, 1313-1317.	6.3	3
41	Learning Emergent Random Access Protocol for LEO Satellite Networks. IEEE Transactions on Wireless Communications, 2023, 22, 257-269.	9.2	8
42	Mobile Edge Computing in Space-Air-Ground Integrated Networks: Architectures, Key Technologies and Challenges. Journal of Sensor and Actuator Networks, 2022, $11,57$.	3.9	7
43	Intelligent Reflecting Surface-Aided Integrated Terrestrial-Satellite Networks. IEEE Transactions on Wireless Communications, 2023, 22, 2507-2522.	9.2	3
44	Performance of Spectrum Sharing in Hybrid Satellite Terrestrial Network with Opportunistic Relay Selection. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	6
45	Active Terminal Identification, Channel Estimation, and Signal Detection for Grant-Free NOMA-OTFS in LEO Satellite Internet-of-Things. IEEE Transactions on Wireless Communications, 2023, 22, 2847-2866.	9.2	14
46	Enabling OTFS-TSMA for Smart Railways mMTC Over LEO Satellite: A Differential Doppler Shift Perspective. IEEE Internet of Things Journal, 2023, 10, 4799-4814.	8.7	1
47	Low-Complexity Joint Estimation for Asynchronous Massive Internet of Things: An ADMM Approach. , 2022, , .		1
48	Design of Joint Device and Data Detection for Massive Grant-Free Random Access in LEO Satellite Internet of Things. IEEE Internet of Things Journal, 2023, 10, 7090-7099.	8.7	2
49	Estimation of user activity prior for active user detection in massive machine type communications. Signal Processing, 2023, 205, 108884.	3.7	0
50	Edge-Assisted Multi-Layer Offloading Optimization of LEO Satellite-Terrestrial Integrated Networks. IEEE Journal on Selected Areas in Communications, 2023, 41, 381-398.	14.0	10
51	Exploiting Tensor-Based Bayesian Learning for Massive Grant-Free Random Access in LEO Satellite Internet of Things. IEEE Transactions on Communications, 2023, 71, 1141-1152.	7.8	2
52	Enabling Data Sharing Through Data Trusts in LEO Satellite Internet. IEEE Wireless Communications, 2024, 31, 70-76.	9.0	2
53	Variational Bayesian Inference Clustering-Based Joint User Activity and Data Detection for Grant-Free Random Access in mMTC. IEEE Internet of Things Journal, 2023, 10, 9906-9916.	8.7	3
54	Federated Learning over LEO Satellite. , 2022, , .		3

#	Article	IF	CITATIONS
55	EM-AMP-Based Joint Active User Detection and Channel Estimation in Cell-Free System. IEEE Systems Journal, 2023, , 1-12.	4.6	0
56	Location based 5G Transmission for LEO Satellite Communication using BPAM Technique. , 2022, , .		0
57	A Design of Low-Projection SCMA Codebooks for Ultra-Low Decoding Complexity in Downlink IoT Networks. IEEE Transactions on Wireless Communications, 2023, 22, 6608-6623.	9.2	2
58	Improving ADMM-based massive MIMO detectors via deep learning. , 2023, 137, 104027.		0
59	Multi-Domain Resource Multiplexing Based Secure Transmission for Satellite-Assisted IoT: AO-SCA Approach. IEEE Transactions on Wireless Communications, 2023, 22, 7319-7330.	9.2	3
60	Channel Estimation for LEO Satellite Massive MIMO OFDM Communications. IEEE Transactions on Wireless Communications, 2023, 22, 7537-7550.	9.2	1
61	OFDM-Based Massive Connectivity for LEO Satellite Internet of Things. IEEE Transactions on Wireless Communications, 2023, 22, 8244-8258.	9.2	2
62	Service Continuity Based Data Delivery Optimization in Satellite-Terrestrial Networks. IEEE Transactions on Vehicular Technology, 2023, 72, 13604-13617.	6.3	0
63	Deep-Reinforcement-Learning-Based NOMA-Aided Slotted ALOHA for LEO Satellite IoT Networks. IEEE Internet of Things Journal, 2023, 10, 17772-17784.	8.7	0
64	Optimization-Driven DRL-Based Joint Beamformer Design for IRS-Aided ITSN Against Smart Jamming Attacks. IEEE Transactions on Wireless Communications, 2024, 23, 667-682.	9.2	3
65	Multicarrier Spread Spectrum for Mega-Constellation Satellite Networks: Challenges, Opportunities, and Future Trends. IEEE Internet of Things Journal, 2023, 10, 20358-20367.	8.7	0
66	Random Access Protocol for Massive Internet of Things Connectivity in Space–Air–Ground-Integrated Networks. IEEE Internet of Things Journal, 2023, 10, 20442-20457.	8.7	3
67	嫿~Ÿç‰©è°ç½': 挑æ~〕æ−¹æ¡^å'Œå展趋势. Frontiers of Information Technology and Electronic Engine	er ing , 202	3,224, 935-94
68	Grant-Free NOMA-OTFS Paradigm: Enabling Efficient Ubiquitous Access for LEO Satellite Internet-of-Things. IEEE Network, 2023, 37, 18-26.	6.9	5
69	Quasi-Synchronous Random Access for Massive MIMO-Based LEO Satellite Constellations. IEEE Journal on Selected Areas in Communications, 2023, 41, 1702-1722.	14.0	1
70	Two-Stage Preamble Detector for LEO Satellite-Based NTN IoT Random Access. IEEE Transactions on Vehicular Technology, 2023, , 1-14.	6.3	0
71	Skyward bound: Empowering disaster resilience with multi-UAV-assisted B5G networks for enhanced connectivity and energy efficiency. Internet of Things (Netherlands), 2023, 23, 100885.	7.7	6
72	Blind Grant-Free Random Access with Message Passing Based Matrix Factorization in mmWave MIMO mMTC. IEEE Internet of Things Journal, 2023, , 1-1.	8.7	0

#	Article	IF	CITATIONS
73	Age of error information and throughput for truncated and layerâ€coded HARQâ€based satelliteâ€loT systems. International Journal of Communication Systems, 2023, 36, .	2.5	0
74	Channel Prediction-based Robust Multibeam Precoding Design for LEO Satellite Internet of Things. , 2023, , .		0
75	VLEO Satellite Constellation Design for Regional Aviation and Marine Coverage. IEEE Transactions on Network Science and Engineering, 2024, 11, 1188-1201.	6.4	0
76	A Sparse Bayesian Learning Method of Joint Activity Detection and Channel Estimation for LEO Grant-Free Random Access. , 2023, , .		0
77	Application of IoT network for marine wildlife surveillance. Open Physics, 2023, 21, .	1.7	0
78	Key Issues in Wireless Transmission for NTN-Assisted Internet of Things. IEEE Internet of Things Magazine, 2024, 7, 40-46.	2.6	0
79	An Adaptive Frame-based Age-aware Access Scheme for Time-Critical Satellite-IoT., 2023,,.		0
80	Joint Blind Channel Estimation, Activity Detection, and Decoding for Coded Massive Random Access. , 2023, , .		0
81	Non-Terrestrial Networks for Energy-Efficient Connectivity of Remote IoT Devices in the 6G Era: A Survey. Sensors, 2024, 24, 1227.	3.8	0