**List of Publications – Halim Yanikomeroglu** (updated on 22 July 2022)

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[DBLP](https://dblp.uni-trier.de/search?q=yanikomeroglu)
[Google Scholar](https://scholar.google.ca/citations?user=C2iee4YAAAAJ&hl=en&oi=ao)

**Breakdown of 245 Published Journal Papers (237 IEEE + 8 others)**

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| --- | --- | --- |
| **No of papers** | **Journal** | **Impact Factor** |
| 38 | IEEE Transactions on Wireless Communications | 7.016 |
| 28 | IEEE Transactions on Vehicular Technology  | 5.978 |
| 27 | IEEE Access | 3.367 |
| 24 | IEEE Wireless Communications Letters  | 4.348 |
| 23 | IEEE Communications Letters | 3.436 |
| 18 | IEEE Communications Magazine | 9.619 |
| 16 | IEEE Transactions on Communications | 5.083 |
| 8 | IEEE Internet of Things Journal | 9.471 |
| 7 | IEEE Transactions on Mobile Computing  | 5.577 |
| 6 | IEEE Open Journal of the Communications Society | N/A |
| 5 | IEEE Vehicular Technology Magazine  | 10.384 |
| 5 | IEEE Journal on Selected Areas in Communications | 9.144 |
| 4 | IEEE Communications Surveys & Tutorials  | 25.249 |
| 4 | IEEE Wireless Communications Magazine | 11.979 |
| 4 | IEEE Transactions on Information Theory | 2.501 |
| 3 | IEEE Open Journal of Vehicular Technology | N/A |
| 2 | IEEE Transactions on Aerospace and Electronic Systems  | 4.102 |
| 2 | IEEE Consumer Electronics Magazine | 3.789 |
| 2 | IEEE Photonics Journal | 2.443 |
| 2 | IEEE Transactions on Green Communications and Networking | N/A |
| 2 | IEEE Journal of Radio Frequency Identification  | N/A |
| 1 | IEEE, Proceedings of the | 10.961 |
| 1 | IEEE Transaction on Broadcasting | 5.194 |
| 1 | IEEE Transactions on Signal Processing | 4.931 |
| 1 | IEEE Transactions on Cognitive Communications and Networking | 4.341 |
| 1 | IEEE Antennas and Wireless Propagation Letters | 3.834 |
| 1 | IEEE Sensors Journal  | 3.301 |
| 1 | IEEE Networking Letters | N/A |
| Earlier publications (non-IEEE) |
| 3 | Eurasip Journal on Wireless Communications Networking (Springer) | 2.455 |
| 2 | IET Communications | 1.542 |
| 1 | Pervasive and Mobile Computing Journal (Elsevier) | 3.453 |
| 1 | Transactions on Emerging Telecommunications Technologies (Wiley) | 2.638 |
| 1 | Wireless Communications and Mobile Computing (Hindawi) | 2.336 |

**Submissions under Review**

**[JS30]** Safwan Alfattani, Animesh Yadav, Halim Yanikomeroglu, and Abbas Yongacoglu, “Resource-efficient HAPS-RIS enabled beyond-cell communications”, under review in *IEEE Wireless Communications Letters* (submission: 20 Jul 2022).

**[JS29]** Mehdi Fasanghari, Mohammad Akbari, Mohsen Pourghasemian, Mohammad R. Maleki, Mohammad R. Abedi, Nader Mokari, and Halim Yanikomeroglu, “Dynamic pricing in multi-domain multi-tenant MANO with lease transfer capability”, under review in *IEEE Transactions on Network and Service Management* (submission: 04 Jul 2022).

**[JS28]** Weihao Wang, Zesong Fei, Jing Guo, Salman Durrani, and Halim Yanikomeroglu, “Outage performance of multi-tier UAV communication with random beam misalignment”, under review in *IEEE Internet of Things Journal* (submission: 04 Jul 2022).

**[JS27]** Poorya Aghaomidi, Amir Mohammadisarab, Jalil Mazloum, Mohammad Ali Akbarzadeh, Mahdi Orooji, Nader Mokari, Halim Yanikomeroglu, “DeepRTSNet: Deep robust two-stage networks for ECG denoising in practical use case”, under review in *IEEE Access* (submission: 03 Jul 2022).

**[JS26]** Faical Khennoufa, Khelil Abdellatif, Ferdi Kara, Hakan Kaya, Xingwang Li, Khaled Rabie, and Halim Yanikomeroglu “A hybrid energy harvesting protocol for cooperative NOMA: Error performance approach”, under review in *IEEE Wireless Communications Letters* (submission: 28 Jun 2022).

**[JS25]** Najmeh Banitalebi, Paeiz Azmi, Nader Mokari, Atefeh Hajijamali Arani, and Halim Yanikomeroglu, “Distributed learning based resource allocation for self-organizing C-V2X communication in cellular networks”, under review in *IEEE Open Journal of the Communications Society* (submission: 26 Jun 2022, 1st results: 18 Jul 2022).

**[JS24]** Tolga Ovatman, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “An accurate model for computation offloading and a HAPS-based case study”, under review in *IEEE Open Journal of the Communications Society* (submission: 15 Jun 2022, 1st results: 11 Jul 2022).

**[JS23]** Qiqi Ren, Omid Abbasi, Gunes Karabulut Kurt, Halim Yanikomeroglu, and Jian Chen, “Handoff-aware distributed computing in high altitude platform station (HAPS)-assisted vehicular networks”, under review in *IEEE Journal of Selected Topics in Signal Processing* (submission: 13 Jun 2022).

**[JS22]** Aizaz U. Chaudhry and H. Yanikomeroglu, “Temporary laser inter-satellite links in free-space optical satellite networks”, under review in *IEEE Open Journal of the Communications Society* (submission: 13 Jun 2022, 1st results: 26 Jun 2022).

**[JS21]** Mohammed Abdelsadek, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Distributed massive MIMO for LEO satellite networks”, under review in *IEEE Open Journal of the Communications Society* (submission: 06 Jun 2022, 1st results: 11 Jul 2022).

**[JS20]** Weili Wang, Omid Abbasi, Halim Yanikomeroglu, Chengchao Liang, Lun Tang, and Qianbin Chen, “VHetNets for AI and AI for VHetNets: An anomaly detection case study for ubiquitous IoT”, under review in *IEEE Network Magazine* (submission: 31 May 2022).

**[JS19]** Kursat Tekbiyik, Gunes Karabulut Kurt, Ali Riza Ekti, and Halim Yanikomeroglu, “Reconfigurable intelligent surface empowered THz communication in LEO satellite networks”, under review in *IEEE Transactions on Vehicular Technology* (submission: 17 May 2022). [[arXiv](https://arxiv.org/abs/2007.04281)] [[ResearchGate](https://www.researchgate.net/publication/342801743)]

**[JS18]** Ali Fazeli, Ha Nguyen, and Halim Yanikomeroglu, “Bit-interleaved coded energy-based modulation with iterative decoding”, under review in *IEEE Transactions on Communications* (submission: 17 May 2022).

**[JS17]** Hakan Alakoca, Mustafa Namdar, Sultan Aldirmaz-Colak, Mehmet Basaran, Arif Basgumus, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “Metasurface manipulation attacks: Potential security threat of RIS-aided 6G communications”, under review in *IEEE Communications Magazine* (submission: 20 Apr 2022, 1st results: 01 Jun 2022).

**[JS16]** Ali Murat Demirtas, Mehmet Saygin Seyfioglu, Irem Bor-Yaliniz, Bulent Tavli, and Halim Yanikomeroglu, “Autonomous UAV base stations for next generation wireless networks: A deep learning approach”, under review in *IEEE Consumer Electronics Magazine* (submission: 17 Apr 2022, 1st results: 24 May 2022, 1st revision: 25 Jun 2022, 2nd results: 08 Jul 2022).

**[JS15]** Mohammed Y. Abdelsadek, Aizaz U. Chaudhry, Tasneem Darwish, Eylem Erdogan, Gunes Karabulut-Kurt, Pablo G. Madoery, Olfa Ben Yahia, and Halim Yanikomeroglu, “Future space networks: Toward the next giant leap for humankind”, under review in *IEEE Transactions on Communications* (submission: 05 Apr 2022).

**[JS14]** Semiha Kosu, Mohammadreza Babaei, Serdar Ozgur Ata, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “BER analysis of energy harvesting enabled cooperative V2V Communications”, under review in *IEEE Transactions on Vehicular Technology* (submission: 04 Apr 2022).

**[JS13]** Irem Cumali, Berna Ozbek, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “User selection and codebook design for NOMA-based high altitude platform station (HAPS) communications”, under review in *IEEE Transactions on Vehicular Technology* (submission: 10 Mar 2022, 1st results: 25 June 2022).

**[JS12]** Adem Cicek, Enver Cavus, Ebrahim Bedeer, and Halim Yanikomeroglu, “Coordinate interleaved faster-than-Nyquist signaling”, under review in *IEEE Communications Letters* (submission: 22 Feb 2022, 1st results: 26 Mar 2022)

**[JS11]** Weili Wang, Chengchao Liang, Lun Tang, Halim Yanikomeroglu, and Qianbin Chen, “Federated multi-discriminator BiWGAN-GP based collaborative anomaly detection for virtualized network slicing”, under review in *IEEE Transactions on Mobile Computing* (submission: 01 Feb 2022, 1st results: 18 Jul 2022).

**[JS10]** Omar Maraqa, Saad Al-Ahmadi, Aditya S. Rajasekaran, Hamza U. Sokun, Halim Yanikomeroglu, and Sadiq M. Sait, “Energy minimization in MEC-assisted cooperative THz-SIMO NOMA systems”, under review in *IEEE Transactions on Communications* (submission: 31 Jan 2022, 1st results: 20 Apr 2022).

**[JS09]** Kursat Tekbiyik, Gunes Karabulut Kurt, Ali Riza Ekti, and Halim Yanikomeroglu, “Graph attention networks for channel estimation in RIS-assisted satellite IoT communications”, under review in *IEEE Transactions on Aerospace and Electronics Systems* (submission: 26 Jan 2022, 1st results: 06 Apr 2022, 1st revision: 12 May 2022, 2nd results: 12 Jul 2022). [[arXiv](https://arxiv.org/abs/2104.00735)] [[ResearchGate](https://www.researchgate.net/publication/350625766_Graph_Attention_Networks_for_Channel_Estimation_in_RIS-assisted_Satellite_IoT_Communications)]

**[JS08]** Nesrine Cherif, Wael Jaafar, Evgenii Vinogradov, Halim Yanikomeroglu, Sofie Pollin, and Abbas Yongacoglu, “iTUAVs: Intermittently tethered UAVs for future wireless networks”, under review in *IEEE Wireless Communications Magazine* (submission: 27 Dec 2021, 1st results: 23 Feb 2022, 1st revision: 25 Apr 2022, 2nd results: 20 May 2022, 2nd revision: 22 Jun 2022).

**[JS07]** Zuleyha Akusta Dagdeviren, Vahid Khalilpour Akram, Orhan Dagdeviren, Bulent Tavli, and Halim Yanikomeroglu, “*k*-Connectivity in wireless sensor networks: Overview and future research directions”, under review in *IEEE Network Magazine* (submission: 25 Dec 2021, 1st results: 19 May 2022).

**[JS06]** Aizaz Chaudhry, Guillaume Lamontagne, and Halim Yanikomeroglu, “Laser inter-satellite link range in free-space optical satellite networks: Impact on latency”, under review in *IEEE Aerospace and Electronic Systems Magazine* (submission: 24 Dec 2021, 1st results: 14 Apr 2022, 1st revision: 16 May 2022).

**[JS05]** Omid Abbasi and Halim Yanikomeroglu, “UxNB-enabled cell-free massive MIMO with HAPS-assisted sub-THz backhauling”, under review in *IEEE Transactions on Wireless Communications* (submission: 05 Dec 2021, 1st results: 11 Apr 2022, 1st revision: 21 Jul 2022). [[arXiv](https://arxiv.org/abs/2201.07379)] [[ResearchGate](https://www.researchgate.net/publication/357952943)]

**[JS04]** Zichao Zhang, Melda Yuksel, and Halim Yanikomeroglu, “Faster-than-Nyquist signaling for MIMO communications”, under review in *IEEE Transactions on Wireless Communications* (submission: 14 Nov 2021, 1st results: 27 Jan 2022, 1st revision: 09 Mar 2022, 2nd results: 15 May 2022, 2nd revision: 21 Jul 2022). [[arXiv](https://arxiv.org/abs/2111.07867)] [[ResearchGate](https://www.researchgate.net/publication/356249775)]

**[JS03]** Amir Mehrabian, Maryam Sabbaghian, and Halim Yanikomeroglu, “CNN-based detector for spectrum sensing with general noise models”, under review in *IEEE Transactions on Wireless Communications* (submission: 08 Nov 2021, 1st results: 25 May 2022, 1st revision: 04 Jul 2022).

**[JS02]** Elham Kalantari, Sergey Loyka, Halim Yanikomeroglu, and Abbas Yongacoglu, “Optimal location of cellular base stations via convex optimization”, under review in *IEEE Transactions on Vehicular Technology* (submission: 30 Oct 2021, 1st results: 15 Apr 2022, 1st revision: 09 Jun 2022).

**[JS01]** Amin Farajzadeh, Mohammad G. Khoshkholgh, Halim Yanikomeroglu, and Ozgur Ercetin, “Self-evolving integrated vertical heterogeneous networks”, under review in *Proceedings of the IEEE* (submission: 13 Oct 2021). [[arXiv](https://arxiv.org/abs/2106.13950)] [[ResearchGate](https://www.researchgate.net/publication/352761231)]

**[CS15]** Safwan Alfattani, Animesh Yadav, Halim Yanikomeroglu, and Abbas Yongacoglu, “Beyond-cell communications via HAPS-RIS”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil. [[arXiv](https://arxiv.org/abs/2206.07005)] [[TechrXiv](https://www.techrxiv.org/articles/preprint/Beyond-Cell_Communications_via_HAPS-RIS/19919732/1)]

**[CS14]** Mohamed Hozayen, Tasneem Darwish, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “A graph-based customizable handover framework for LEO satellite networks”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil.

**[CS13]** Dong Chu, Wael Jaafar, and Halim Yanikomeroglu, “On the design of communication-efficient federated learning for health monitoring”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil.

**[CS12]** Mine Ardanuc, Mehmet Basaran, Yassine Hmamouche, Lutfiye Durak-Ata, and Halim Yanikomeroglu, “Energy efficiency analysis in heterogeneous cellular networks: A stochastic geometry perspective”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil.

**[CS11]** Sarosh Ahmad, Wael Jaafar, and Halim Yanikomeroglu, “Designing a broadband MIMO antenna for next generation wireless communication systems”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil.

**[CS10]** Aditya Rajasekaran, Hamza Sokun, Omar Maraqa, Saad Al-Ahmadi, and Halim Yanikomeroglu, “Vision-assisted user clustering for robust mmWave-NOMA systems”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil.

**[CS09]** Islam Abu Mahady, Ebrahim Bedeer, Salama Ikki, and Halim Yanikomeroglu, “Optimized improper Gaussian signaling for cooperative full-duplex NOMA systems”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil.

**[CS08]** Rozita Shafie, Mohammad Javad Omidi, Omid Abbasi, and Halim Yanikomeroglu, “Power allocation for a HAPS-enabled MIMO-NOMA system with spatially correlated channels”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil.

**[CS07]** Ammar Abdelsamie, Ian Marsland, Ahmed Ibrahim, and Halim Yanikomeroglu, “Neural network aided Viterbi detectors for FTN signalling in ISI channel”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil.

**[CS06]** Aizaz U. Chaudhry and Halim Yanikomeroglu, “On crossover distance for optical wireless satellite networks and optical fiber terrestrial networks”, *IEEE Globecom 2022*, 04–08 December 2022, Rio de Janeiro, Brazil. [[arXiv](https://arxiv.org/abs/2206.02763)] [[ResearchGate](http://www.researchgate.net/publication/361136172)]

**[CS05]** Gregory Dzhezyan, Michel Kulhandjian, Hovannes Kulhandjian, Claude D’Amours, and Halim Yanikomeroglu, “Implementation of faster-than-Nyquist signaling using software defined radios”, *IEEE Military Communications Conference (Milcom) 2022*, 28 November – 02 December 2022, Rockville, MD, USA.

**[CS04]** Sarosh Ahmad, Hichem Boubakar, Wael Jaafar, and Halim Yanikomeroglu, “A novel tri-band antenna design for Wireless LAN applications”, *IEEE Conference on Antenna Measurements & Applications (CAMA)*, 14–17 November 2022, Guangzhou, China.

**[CS03]** Amir Mohammadisarab, Poorya Aghaomidi, Jalil Mazloum, Mohammad Ali Akbarzadeh, Mahdi Orooji, Nader Mokari, and Halim Yanikomeroglu, “Deep adaptive denoising auto-encoder networks for ECG noise cancelation via time-frequency domain”, *Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC 2022)*, 07–10 November 2022, Chiang Mai, Thailand.

**[CS02]** Wael Jaafar, Koutoua Jean Romeo Beyara, Imen Aouini, Jihene Ben Abderrazek, and Halim Yanikomeroglu, “On the deployment of blockchain in edge computing wireless networks”, *IEEE International Conference on Cloud Networking (CloudNet)*, 07–10 November 2022, Paris, France.

**[CS01]** Hongzhao Zhang, Mohamed Atia, and Halim Yanikomeroglu, “High altitude platform station (HAPS)-aided GNSS for urban areas”, *The 10th Annual IEEE International Conference on Wireless for Space and Extreme Environments (WISEE 2022)*, 12–14 October 2022, Winnipeg, Manitoba, Canada.

**Refereed Publications**

**2022**

**[J245]** Selen Gecgel, Caner Goztepe, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “A glimpse of physical layer decision mechanisms: Facts, challenges, and remedies”, *IEEE Open Journal of the Communications Society* (acceptance: 21 Jul 2022). [[arXiv](https://arxiv.org/abs/2102.07258)] [[ResearchGate](https://www.researchgate.net/publication/349311915)]

**[J244]** Zhitong Xing, Yun Li, Aditya S. Rajasekaran, Deyi Peng, and Halim Yanikomeroglu, “Variation approach based nonlinear companding scheme for PAPR reduction in OFDM systems”, *IEEE Transactions on Broadcasting* (acceptance: 21 Jul 2022).

**[J243]** Lina Bariah, Wael Jaafar, Sami Muhaidat, Hany Elgala, and Halim Yanikomeroglu, “On the error performance of LoRa-enabled aerial networks over shadowed Rician fading channels”, *IEEE Communications Letters* (acceptance: 20 Jul 2022).

**[J242]** Omid Abbasi and Halim Yanikomeroglu, “Transmission scheme, detection and power allocation for uplink user cooperation with NOMA and RSMA”, *IEEE Transactions on Wireless Communications* (acceptance: 19 Jul 2022). [[arXiv](https://arxiv.org/abs/2201.04572)] [[ResearchGate](https://www.researchgate.net/publication/357791226)]

**[J241]** Weili Wang, Chengchao Liang, Qianbin Chen, Lun Tang, Halim Yanikomeroglu, and Tong Liu. “Distributed online anomaly detection for virtualized network slicing environment”, *IEEE Transactions on Vehicular Technology* (acceptance: 12 Jul 2022). [[arXiv](https://arxiv.org/abs/2201.01900)] [[ResearchGate](https://www.researchgate.net/publication/357645993)] [[Xplore](https://ieeexplore.ieee.org/document/9837465)]

**[J240]** Wael Jaafar and Halim Yanikomeroglu, “HAPS-ITS: Enabling future ITS services in trans-continental highways”, *IEEE Communications Magazine* (acceptance: 19 Jun 2022). [[arXiv](https://arxiv.org/abs/2105.04756)] [[ResearchGate](https://www.researchgate.net/publication/351475360)] [[Xplore](https://ieeexplore.ieee.org/document/9815183)]

**[J239]** Wael Jaafar, Lina Bariah, Sami Muhaidat, and Halim Yanikomeroglu, “Time-switching and phase-shifting control for RIS-assisted SWIPT communications”, *IEEE Wireless Communications Letters* (acceptance: 25 May 2022). [[ResearchGate](https://www.researchgate.net/publication/360906778)] [[Xplore](https://ieeexplore.ieee.org/document/9783020)]

**[J238]** Olfa Ben Yahia, Eylem Erdogan, Gunes Karabulut Kurt, Ibrahim Altunbas, and Halim Yanikomeroglu, “Optical satellite eavesdropping”, *IEEE Transactions on Vehicular Technology* (acceptance: 10 May 2022). [[arXiv](https://arxiv.org/abs/2112.04932)] [[ResearchGate](https://www.researchgate.net/publication/356904298)] [[Xplore](https://ieeexplore.ieee.org/document/9779543)]

**[J237]** Qiqi Ren, Omid Abbasi, Gunes Karabulut Kurt, Halim Yanikomeroglu, and Jian Chen, “Caching and computation offloading in high altitude platform station (HAPS) assisted intelligent transportation systems”, *IEEE Transactions on Wireless Communications* (acceptance: 27 Apr 2022). [[arXiv](https://arxiv.org/abs/2106.14928)] [[ResearchGate](https://www.researchgate.net/publication/353063011)] [[Xplore](https://ieeexplore.ieee.org/document/9772280)]

**[J236]** Hichem Semira, Ferdi Kara, Hakan Kaya, and Halim Yanikomeroglu, “Error performance analysis of multi-user detection in uplink-NOMA with adaptive M-QAM”, *IEEE Wireless Communications Letters* (acceptance: 22 Apr 2022). [[arXiv](https://arxiv.org/abs/2204.11460)] [[ResearchGate](http://www.researchgate.net/publication/360186433)] [[Xplore](https://ieeexplore.ieee.org/document/9763842)]

**[J235]** Kursat Tekbiyik, Gunes Karabulut Kurt, Ali Riza Ekti, and Halim Yanikomeroglu, “Reconfigurable intelligent surfaces in action for non-terrestrial networks”, *IEEE Vehicular Technology Magazine* (acceptance: 12 Apr 2022). [[arXiv](https://arxiv.org/abs/2012.00968)] [[ResearchGate](https://www.researchgate.net/publication/346578227_Reconfigurable_Intelligent_Surfaces_in_Action_for_Non-Terrestrial_Networks)] [[Xplore](https://ieeexplore.ieee.org/document/9779261)]

**[J234]** Aizaz U. Chaudhry and Halim Yanikomeroglu, “When to crossover from Earth to space for lower latency data communications?”, *IEEE Transactions on Aerospace and Electronic Systems* (acceptance: 24 Feb 2022). [[arXiv](https://arxiv.org/abs/2203.00154)] [[ResearchGate](https://www.researchgate.net/publication/358915311)] [[Xplore](https://ieeexplore.ieee.org/document/9726866)]

**[J233]** Olfa Ben Yahia, Eylem Erdogan, Gunes Karabulut Kurt, Ibrahim Altunbas, and Halim Yanikomeroglu, “HAPS selection for hybrid RF/FSO satellite networks”, *IEEE Transactions on Aerospace and Electronic Systems* (acceptance: 01 Jan 2022). [[arXiv](https://arxiv.org/abs/2107.12638)] [[ResearchGate](https://www.researchgate.net/publication/353510591)] [[Xplore](https://ieeexplore.ieee.org/document/9678060)]

**[J232]** Pouya M. Ghari, Maryam Sabbaghian, and Halim Yanikomeroglu, “Moving aerial anchors assisted network localization”, *IEEE Transactions on Wireless Communications* (acceptance: 25 Oct 2021). [[ResearchGate](https://www.researchgate.net/publication/356369256)] [[Xplore](https://ieeexplore.ieee.org/document/9619929)]

**[J231]** Kursat Tekbiyik, Gunes Karabulut Kurt, and Halim Yanikomeroglu, “Energy-efficient RIS-assisted satellites for IoT networks”, *IEEE Internet of Things Journal* (acceptance: 10 Sep 2021). [[arXiv](https://arxiv.org/abs/2101.07166)] [[ResearchGate](https://www.researchgate.net/publication/348590114_Energy-Efficient_RIS-assisted_Satellites_for_IoT_Networks)] [[Xplore](https://ieeexplore.ieee.org/document/9539541)]

**[J230]** Jalal Khamse-Ashari, Gamini Senarath, Irem Bor-Yaliniz, and Halim Yanikomeroglu, “An agile and distributed mechanism for inter-domain network slicing in next-generation mobile networks”, *IEEE Transactions on Mobile Computing* (acceptance: 15 Feb 2021). [[arXiv](https://arxiv.org/abs/2102.10687)] [[ResearchGate](https://www.researchgate.net/publication/349540046)] [[Xplore](https://ieeexplore.ieee.org/document/9361144)]

**[J229]** Islam Abu Mahady, Ebrahim Bedeer, Salama Ikki, and Halim Yanikomeroglu, “Energy efficiency maximization of full-duplex NOMA systems with improper Gaussian signaling under imperfect self-interference cancellation”, *IEEE Communications Letters*, vol. 26, no. 7, pp. 1613-1617, July 2022. [[ResearchGate](https://www.researchgate.net/publication/360046019)] [[Xplore](https://ieeexplore.ieee.org/document/9758736)]

**[J228]** Tasneem Darwish, Gunes Karabulut Kurt, Halim Yanikomeroglu, Guillaume Lamontagne, and Michel Bellemare, “Location management in Internet protocol-based future LEO satellite networks: A review”, *IEEE Open Journal of the Communications Society*, vol. 3, pp. 1035-1062, 2022. [[arXiv](https://arxiv.org/abs/2101.08336)] [[ResearchGate](https://www.researchgate.net/publication/348675552)] [[Xplore](https://ieeexplore.ieee.org/document/9804811)]

**[J227]** Ferdi Kara, Hakan Kaya, and H. Yanikomeroglu, “Power-time channel diversity (PTCD): A novel resource efficient diversity technique for 6G and Beyond”, *IEEE Wireless Communications Letters*, vol. 11, no. 7, pp. 1453-1457, July 2022. [[arXiv](https://arxiv.org/abs/2205.03085)] [[ResearchGate](https://www.researchgate.net/publication/360462627)] [[Xplore](https://ieeexplore.ieee.org/document/9771185)]

**[J226]** Tuheen Ahmmed, Afsoon Alidadi, Zichao Zhang, Aizaz U. Chaudhry, and Halim Yanikomeroglu, “The digital divide in Canada and the role of LEO satellites in bridging the gap”, *IEEE Communications Magazine*, vol. 60, no. 6, pp. 24-30, June 2022. [[arXiv](https://arxiv.org/abs/2203.08933)] [[ResearchGate](https://www.researchgate.net/publication/359218184)] [[Xplore](https://ieeexplore.ieee.org/document/9800119)]

**[J225]** Yucel Aydin, Gunes Karabulut Kurt, Enver Ozdemir, and Halim Yanikomeroglu, “Authentication and handover challenges and methods for drone swarms”, *IEEE Journal of Radio Frequency Identification*, vol. 6, pp. 220-228, 2022. [[arXiv](https://arxiv.org/abs/2201.05657)] [[ResearchGate](https://www.researchgate.net/publication/357836252)] [[Xplore](https://ieeexplore.ieee.org/document/9732345)]

**[J224]** Atefeh Hajijamali Arani, M. Mahdi Azari, Peng Hu, Yeying Zhu, Halim Yanikomeroglu, and Safieddin Safavi-Naeini, “Reinforcement learning for energy-efficient trajectory design of UAVs”, *IEEE Internet of Things Journal*, vol. 9., no. 11, pp. 9060-9070, June 1, 2022. [[ResearchGate](https://www.researchgate.net/publication/354478117)] [[Xplore](https://ieeexplore.ieee.org/document/9560149)]

**[J223]** Michel Kulhandjian, Hovannes Kulhandjian, Claude D’Amours, Halim Yanikomeroglu, Dimitris A. Pados, and Gurgen Khachatrian, “Low-complexity decoder for overloaded uniquely decodable synchronous CDMA”, *IEEE Access*, vol. 10, pp. 46255-46275, 2022. [[arXiv](https://arxiv.org/abs/1806.03958)] [[ResearchGate](https://www.researchgate.net/publication/333555032)] [[Xplore](https://ieeexplore.ieee.org/document/9762979)]

**[J222]** Elaheh Vaezpour, Layla Majzoobi, Mohammad Akbari, Saeedeh Parsaeefard, and Halim Yanikomeroglu, “A deep learning-based approach for cell outage compensation in NOMA networks”, *IEEE Open Journal of Vehicular Technology*, vol. 3, pp. 149-166, 2022. [[arXiv](https://arxiv.org/abs/2204.03477)] [[ResearchGate](https://www.researchgate.net/publication/359813911)] [[Xplore](https://ieeexplore.ieee.org/document/9749853)]

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