**《ZTE Communications》**

**2022年文章列表（参考文献格式）**

**（按Ctrl并单击可链接原文）**

**2022年**

**第S1期：**

**Research Paper**

[[1] L. Y. Duan, H. L. Lu, J. J. Qi, et al., “An improved parasitic parameters extraction method for InP HEMT,” *ZTE Communications*, vol. 20, no. S1, pp. 01–06, Jan. 2022. doi: 10.12142/ZTECOM.2022S1001.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1001)

[[2] Z. P. Zhao, Y. L. Zhao, B. Y. Yan, et al., “Auxiliary fault location on commercial equipment based on supervised machine learning,” *ZTE Communications*, vol. 20, no. S1, pp. 07–15, Jan. 2022. doi: 10.12142/ZTECOM.2022S1002.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1002)

[[3] X. Y. Shi, T. Z. Han, H. Tian, et al., “Design of raptor-like rate compatible SC-LDPC codes,” *ZTE Communications*, vol. 20, no. S1, pp. 16–21, Jan. 2022. doi: 10.12142/ZTECOM.2022S1003.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1003)

[[4] X. Y. Yi, J. X. Chen, P. Chen, et al., “Derivative-based envelope design technique for wideband envelope tracking power amplifier with digital predistortion,” *ZTE Communications*, vol. 20, no. S1, pp. 22–26, Jan. 2022. doi: 10.12142/ZTECOM.2022S1004.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1004)

[[5] D. Y. Li, Y. F. Tu, X. S. Zhou, et al., “End-to-end Chinese entity recognition based on BERT-BiLSTM-ATT-CRF,” *ZTE Communications*, vol. 20, no. S1, pp. 27–35, Jan. 2022. doi: 10.12142/ZTECOM.2022S1005.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1005)

[[6] G. T. Fan and Z. B. Wang, “Intelligent antenna attitude parameters measurement based on deep learning SSD model,” *ZTE Communications*, vol. 20, no. S1, pp. 36–43, Jan. 2022. doi: 10.12142/ZTECOM.2022S1006.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1006)

[[7] Y. J. Xu, Q. C. Zhao, X. D. Xu, et al., “Multi-task learning with dynamic splitting for open-set wireless signal recognition,” *ZTE Communications*, vol. 19, no. 4, pp. 44–55, Jan. 2022. doi: 10.12142/ZTECOM.2022S1007.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1007)

[[8] H. M. Hu, Y. Liu, Y. Y. Ge, et al., “Multi-cell uplink interference management: A distributed power control method,” *ZTE Communications*, vol. 20, no. S1, pp. 56–63, Jan. 2022. doi: 10.12142/ZTECOM.2022S1008.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1008)

[[9] Z. Y. Li, R. Chen, X. G. Huang, et al., “SVM for constellation shaped 8QAM PON system,” *ZTE Communications*, vol. 20, no. S1, pp. 64–71, Jan. 2022. doi: 10.12142/ZTECOM.2022S1009.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1009)

**Review**

[[10] J. R. Han and Y. Gao, “General introduction of non-terrestrial networks for new radio,” *ZTE Communications*, vol. 20, no. S1, pp. 72–78, Jan. 2022. doi: 10.12142/ZTECOM.2022S1000.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.2022S1010)

**第1期：**

**Special Topic: Reconfigurable Intelligent Surface (RIS)**

[[1] Y. F. Yuan, S. Jin, and M. Di Renzo, “Editorial: special topic on reconfigurable intelligent surface (RIS),” *ZTE Communications*, vol. 20, no. 1, pp. 1‒2, Mar. 2022. doi: 10.12142/ZTECOM.202201001.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201001)

[[2] Y. F. Yuan, Q. Gu, A. N. Wang, et al“. Recent progress in research and development of reconfigurable intelligent surface, ” *ZTE Communications*, vol. 20, no. 1, pp. 3–13, Mar. 2022. doi: 10.12142/ZTECOM.202201002.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201002)

[[3] X. L. Hou, X. Li, X. Wang, et al.,“Some observations and thoughts about reconfigurable intelligent surface application for 5G evolution and 6G,” *ZTE Communications*, vol. 20, no. 1, pp. 14–20, Mar. 2022. doi: 10.12142/ZTECOM.202201003.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201003)

[[4] J. W. Tang, S. H. Xu, F. Yang, et al, “Recent developments of transmissive reconfigurable intelligent surfaces: a review, ” *ZTE Communications*, vol. 20, no. 1, pp. 21–27, Mar. 2022. doi: 10.12142/ZTECOM.202201004.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201004)

[[5] X. R. Guan and Q. Q. Wu“, IRS-enabled spectrum sharing: interference modeling, channel estimation and robust passive beamforming, ” *ZTE Communications*, vol. 20, no. 1, pp. 28–35, Mar. 2022. doi: 10.12142/ZTECOM.202201005.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201005)

[[6] Y. J. Xu, Z. H. Yang, C. W. Huang, et al., “Resource allocation for two-tier RIS-assisted heterogeneous NOMA networks,” *ZTE Communications*, vol. 20, no. 1, pp. 36–47, Mar. 2022. doi: 10.12142/ZTECOM.202201006.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201006)

[[7] Z. C. Shao, W. J. Yan, and X. J. Yuan,“ Markovian cascaded channel estimation for RIS aided massive MIMO using 1-bit ADCs and oversampling,” *ZTE Communications*, vol. 20, no. 1, pp. 48–56, Mar. 2022. doi: 10.12142/ZTECOM.202201007.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201007)

[[8] M. N. Jian, N. Zhang, and Y. J. Chen, “RIS: spatial wideband effect analysis and off-grid channel estimation,” *ZTE Communications*, vol. 20, no. 1, pp. 57–62, Mar. 2022. doi: 10.12142/ZTECOM.202201008.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201008)

[[9] M. Y. Zhou, X. Y. Chen, W. K. Tang, et al., “Dual-polarized RIS-based STBC transmission with polarization coupling analysis,” *ZTE Communications*, vol. 20, no. 1, pp. 63–75, Mar. 2022. doi: 10.12142/ZTECOM.202201009](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201009).

**Research Paper**

[[10] B. Yang, C. L. Guo, and Z. Li, “Metric learning for semantic-based clothes retrieval,”*ZTE Communications*, vol. 20, no. 1, pp. 76–82, Mar. 2022. doi: 10.12142/ZTECOM.202201010.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202201010)

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**Special Topic: Simultaneous Wireless Information and Power Transfer: Technology and Practice**

[[1] Q. W. Yuan and F.-L. Luo,“Editorial: special topic on simultaneous wireless information and power transfer: technology and practice,” *ZTE Communications*, vol. 20, no. 2, pp. 1–2, Jun. 2022. doi: 10.12142/ZTECOM.202202001.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202202001)

[[2] B. Yang, T. Mitani, N. Shinohara, et al., “High-power simultaneous wireless information and power transfer: injection-locked magnetron technology,” *ZTE Communications*, vol. 20, no. 2, pp. 3–12, Jun. 2022. doi: 10.12142/ZTECOM.202202002.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202202002)

[[3] R. Torres, D. Matos, F. Pereira, et al., “An overview of SWIPT circuits and systems,” *ZTE Communications*, vol. 20, no. 2, pp. 13–18, Jun. 2022. doi: 10.12142/ZTECOM.202202003.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202202003)

[4] [S. Y. Sun and G. Y. Wen, “Optimal design of wireless power transmission systems using antenna arrays,” *ZTE Communications*, vol. 20, no. 2, pp. 19–27, Jun. 2022. doi: 10.12142/ZTECOM.202202004.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202202004)

[[5] Q.-T. Duong, Q.-T. Vo, T.-P. Phan, et al., “Dynamic power transmission using common RF feeder with dual supply,” *ZTE* *Communications*, vol. 20, no. 2, pp. 28–36, Jun. 2022. doi: 10.12142/ZTECOM.202202005.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202202005)

[6] [J. Shen, T. X. Zhao, and X. G. Liu, “Polarization reconfigurable patch antenna for wireless power transfer related applications,” *ZTE* *Communications*, vol. 20, no. 2, pp. 37–42, Jun. 2022. doi: 10.12142/ZTECOM.202202006.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202202006)

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[[8] M. Y. Chang, J. Q. Han, X. J. Ma, et al., “Programmable metasurface for simultaneously wireless information and power transfer system,” *ZTE* *Communications*, vol. 20, no. 2, pp. 48–62, Jun. 2022. doi: 10.12142/ZTECOM.202202008.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202202008)

**第3期：**

**Special Topic: Federated Learning for IoT and Edge Computing**

[1] [Y. Pan, L. Z. Cui, Z. P. Cai, and W. Li, “Editorial: special topic on federated learning for IoT and edge computing,” *ZTE Communications*, vol. 20, no. 3, pp. 1–2, Sept. 2022. doi: 10.12142/ZTECOM.202203001.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203001)

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[[3] X. M. Han, M. H. Gao, L. M. Wang, et al., “A survey of federated learning on non-IID data,” *ZTE Communications*, vol. 20, no. 3, pp. 17–26, Sept. 2022. doi: 10.12142/ZTECOM.202203003.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203003)

[[4] F. Lu, L. Gu, X. H. Tian, et al.,“Federated learning based on extremely sparse series clinic monitoring data,” *ZTE Communications*, vol. 20, no. 3, pp. 27–34, Sept. 2022. doi: 10.12142/ZTECOM.202203004.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203004)

[5] [Q. B. Liu, Z. H. Jin, J. B. Wang, et al., “MSRA-Fed: a communication-efficient federated learning method based on model split and representation aggregate,” *ZTE Communications*, vol. 20, no. 3, pp. 35–42, Sept. 2022. doi: 10.12142/ZTECOM.202203005.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203005)

[[6] B. Tang, C. M. Zhang, K. W. Wang, et al., “Neursafe-FL: a reliable, efficient, easy-to-use federated learning framework,” *ZTE Communications*, vol. 20, no. 3, pp. 43–53, Sept. 2022. doi: 10.12142/ZTECOM.202203006.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203006)

**Review**

[[7] B. L. Yan, Q. Wu, H. Shi, et al., “Toward low-cost flexible intelligent OAM in optical fiber communication networks,”](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203007) *[ZTE Communications](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203007)*[, vol. 20, no. 3, pp. 54–60, Sept. 2022. doi: 10.12142/ZTECOM.202203007.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203007)

**Research Paper**

[8] [J. T. Zhang, Z. Q. He, H. Rui, et al., “Spectrum sensing for OFDMA using multicarrier covariance matrix aware CNN,” *ZTE Communications*, vol. 20, no. 3, pp. 61–69, Sept. 2022. doi: 10.12142/ZTECOM.202203008.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203008)

[9] [Q. Q. Wu, J. Z. Chen, Z. Q. Wu, et al, “Synthesis and design of 5G duplexer based on optimization method,” *ZTE Communications*, vol. 20, no. 3, pp. 70–76, Sept. 2022. doi: 10.12142/ZTECOM.202203009.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203009)

[[10] X. M. Lyu, H. Chen, Z. Y. Wu, et al., “Alarm-based root cause analysis based on weighted fault propagation topology for distributed information network,” *ZTE Communications*, vol. 20, no. 3, pp. 77–84, Sept. 2022. doi: 10.12142/ZTECOM.202203010.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203010)

[[11] Q. X. Zhang, J. Han, L. Cheng, et al., “Approach to anomaly detection in microservice system with multi-source data streams,” *ZTE Communications*, vol. 20, no. 3, pp. 85–92, Sept. 2022. doi: 10.12142/ZTECOM.202203011.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203011)

[[12] Z. Q. Cui, G. P. Wang, Z. G. Wang, et al., “Symbiotic radio systems: detection and performance analysis,” *ZTE* *Communications*, vol. 20, no. 3, pp. 93–98, Sept. 2022. doi: 10.12142/ZTECOM.202203012.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202203012)

**第4期：**

**Special Topic: Wireless Communication and Its Security: Challenges and Solutions**

[[1] K. Ren and Z. B. Wang, “Editorial: wireless communication and its security: challenges and solutions,” *ZTE* *Communications*, vol. 20, no. 4, pp. 1–2, Dec. 2022. doi: 10.12142/ZTECOM.202204001.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204001)

[[2] Y. F. Cao, J. N. Cao, Y. Q. Wang, et al., “Security in edge blockchains: attacks and countermeasures,”](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204002) *[ZTE](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204002)**[Communications](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204002)*[, vol. 20, no. 4, pp. 3–14, Dec. 2022. doi: 10.12142/ZTECOM.202204002.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204002)

[[3] Z. Tong, B. W. Deng, L. L. Zheng, et al., “Utility-improved key-value data collection with local differential privacy for mobile devices,”](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204003) *[ZTE Communications](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204003)*[, vol. 20, no. 4, pp. 15–21, Dec. 2022. doi: 10.12142/ZTECOM.202204003.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204003)

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[[5] P. F. Wang, W. Song, G. Sun, et al., “Air-ground integrated low-energy federated learning for secure 6G communications,” *ZTE Communications*, vol. 20, no. 4, pp. 32–40, Dec. 2022. doi: 10.12142/ZTECOM.202204005.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204005)

[[6] M. He, X. M. Li, and J. B. Ni, “Physical layer security for mmwave communications: challenges and solutions,” *ZTE* *Communications*, vol. 20, no. 4, pp. 41–51, Dec. 2022. doi: 10.12142/ZTECOM.202204006.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204006)

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[[7] X. Y. Duan, H. H. Kang, and J. J. Zhang, “Autonomous network technology innovation in digital and intelligent era,”](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204007) *[ZTE Communications](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204007)*[, vol. 20, no. 4, pp. 52–61, Dec. 2022. doi: 10.12142/ZTECOM.202204007.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204007)

**Research Paper**

[[8] X. B. Ran, Z. J. Dai, K. Zhong, et al., “Broadband sequential load-modulated balanced amplifier using coupler-PA codesign approach,” *ZTE Communications*, vol. 20, no. 4, pp. 62–68, Dec. 2022. doi: 10.12142/ZTECOM.202204008.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204008)

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[[10] Z. H. Li, S. Q. Yang, J. H. Yu, et al., “Predictive scheme for mixed transmission in time-sensitive networking,”](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204010) *[ZTE](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204010)**[Communications](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204010)*[, vol. 20, no. 4, pp. 78–88, Dec. 2022. doi: 10.12142/ZTECOM.202204010.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204010)

[[11] J. J. Mei, T. Guan, and J. W. Tong, “Label enhancement for scene text detection,” *ZTE Communications*, vol. 20, no. 4, pp. 89–95, Dec. 2022. doi: 10.12142/ZTECOM.202204011.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202204011)

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**2023年**

**第1期：**

**Special Topic: Federated Learning over Wireless Networks**

[[1] S. G. Cui, C. C. Yin, and G. X. Zhu, “Editorial: federated learning over wireless networks,” ZTE Communications, vol. 21, no. 1, pp. 1–2, Mar. 2023. doi: 10.12142/ZTECOM.202301001.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301001)

[[2] X. Y. Xu, S. L. Liu, and G. D. Yu, “Adaptive retransmission design for wireless federated edge learning,” *ZTE Communication*s, vol. 21, no. 1, pp. 3–14, Mar. 2023. doi: 10.12142/ZTECOM.202301002.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301002)

[[3] W. T. Zhang, H. T. Liang, Y. H. Xu, et al., “Reliable and privacy-preserving federated learning with anomalous users,” *ZTE Communications*, vol. 21, no. 1, pp. 15–24, Mar. 2023. doi: 10.12142/ZTECOM.202301003.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301003)

[[4] Y. J. Wang, D. Z. Wen, Y. J. Mao, et al., “RIS-assisted federated learning in multi-cell wireless networks,” *ZTE Communications*, vol. 21, no. 1, pp. 25–37, Mar. 2022. doi: 10.12142/ZTECOM.202301004.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301004)

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[[7] R. Huang, H. L. Li, and Y. M. Zhang, “Efficient bandwidth allocation and computation configuration in industrial IoT,” *ZTE Communications*, vol. 21, no. 1, pp. 55–63, Mar. 20223. doi: 10.12142/ZTECOM.202301007.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301007)

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[[10] P. Lu, B. Sheng, and W. Z. Shi, “Scene visual perception and AR navigation applications,”](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301010) *[ZTE Communications](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301010)*[, vol. 21, no. 1, pp. 81–88, Mar. 2023. doi: 10.12142/ZTECOM.202301010.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301010)

[[11] Y. F. Tu, B. H. Zhu, H. Z. Yang, et al., “RCache: a read-intensive workload-aware page cache for NVM filesystem,”](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301011) *[ZTE Communications](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301011)*[, vol. 21, no. 1, pp. 89–94, Mar. 2023. doi: 10.12142/ZTECOM.202301011.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202301011)

**第2期：**

**Special Topic: Evolution of AI Enabled Wireless Networks**

[[1] L. Wang and Y. Gao, “Editorial: evolution of AI enabled wireless networks,”](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202302001) *[ZTE Communications](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202302001)*[, vol. 21, no. 2, pp. 1–2, Jun. 2023. doi: 10.12142/ZTECOM.202302001.](http://zte.magtechjournal.com/EN/10.12142/ZTECOM.202302001)

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