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学院2020年高水平论文列表（部分）

2021-07-24 作者： 编辑：微电子学院 来源： 点击：[76]

2020年：

1. Zheng X., Xu C. Y., Hu X. H., et al. The Software/Hardware Co-Design and Implementation of SM2/3/4 Encryption/Decryption and Digital Signature System. IEEE Trans. Computer-Aided Design of Integrated Circuits and Systems. 2020, 39(10): 2055-2066. (CCF A类, JCR Q2, IF=2.807)
2. Zheng X., Lin L. Y., Liu B., et al. A multi-task transfer learning method with dictionary learning. Knowledge-Based Systems. 2020, 191: 105233. (JCR Q1, IF=8.038)
3. Yin X. W., Liu J. Q., Chen X. C., et al. A low-complexity design for the terminal device of the urban IoT-oriented heterogeneous network with ultra-high-speed OFDM processing. Sustainable Cities and Society. 2020, 61: 102323. (JCR Q1, IF=7.587)
4. Zhong W., Yao R. H., Liu Y.*, et al. Effect of Self-Assembled Monolayers (SAMs) as Surface Passivation on the Flexible a-InSnZnO Thin-Film Transistors. IEEE Trans. Electron Devices. 2020, 67(8): 3157-3162. (JCR Q2, IF=2.917)
5. Wu Y. L., Wu J. G., Chen L., et al. Efficient task scheduling for servers with dynamic states in vehicular edge computing. Computer Communications. 2020, 150: 240-253. (JCR Q2, IF=3.167)
6. Gu X. B., Zhou G. X., Li J. Z.*, et al. Joint Time Synchronization and Ranging for a Mobile Wireless Network. IEEE Communications Letters. 2020, 24(10): 2363-2366. (JCR Q2, IF=3.436)
7. Li F., Li W. J., Chen W. F., et al. A Mobile Robot Visual SLAM System With Enhanced Semantics Segmentation. IEEE Access. 2020, 8: 25442-25458. (JCR Q2, IF=3.367)
8. Liu Y., Huang Y. X., Zhang X. X., et al. Deep C-LSTM Neural Network for Epileptic Seizure and Tumor Detection Using High-Dimension EEG Signals. IEEE Access. 2020, 8: 37495-37504. (JCR Q2, IF=3.367)
9. Li J. Z., Gu X. B., Zhan R. D., et al. DOA Estimation without Source Number for Cyber-Physical Interactions. Complexity. 2020, 9768361. (JCR Q2, IF=2.833)

10. Kang Y. L., Huang L. Q., He Y., et al. On a Symmetric Image Encryption Algorithm Based on the Peculiarity of Plaintext DNA Coding. *Symmetry-Basel*. 2020, 12(9):1393. (JCR Q2, IF=2.713)
11. Liu Y., Huang Y. X., Deng S. B., et al. Dimension Scaling Effects on Conduction and Low Frequency Noise Characteristics of ITO-Stabilized ZnO Thin Film Transistors. *IEEE Journal of the Electron Device Society*. 2020, 8(1): 435-441. (JCR Q3, IF=2.484)
12. Huang H. M., Liu Z. H., Chen T. S., et al. Design Space Exploration for YOLO Neural Network Accelerator. *Electronics*. 2020, 9(11): 1921. (JCR Q3, IF=2.3973)
13. Liu Y., Huang Y. X., Liu Z. W., et al. Design of a compact wideband CP metasurface antenna. *International Journal of RF and Microwave Computer-Aided Engineering*. 2020, 30(10): e22332. (JCR Q3, IF=1.694)
14. Liu Y., Huang Y. X., Liu Z. W., et al. A new broadband circularly polarized antenna with a single-layer metasurface. *International Journal of RF and Microwave Computer-Aided Engineering*. 2020, 30(7): e22226. (JCR Q3, IF=1.694)
15. Liu Y., Peng Z. J., Lu Y. D., et al. A surface potential-based DC model considering interface trap states for 4H-SiC power MOSFETs. *AIP Advances*. 2020, 10(9): 095224. (JCR Q4, IF=1.548)
16. Liu Y., Zeng J. W., Zhu Z. Q., et al. A physics-based compact model for MoS(2)field-effect transistors considering the band-tail effect and contact resistance. *Japanese Journal of Applied Physics*. 2020, 59(10): 104004. (JCR Q4, IF=1.48)
17. Guo S. Z., Guan H. Y., Li J. Z.*, et al. Vaginal Secretions Epithelial Cells and Bacteria Recognition Based on Computer Vision. *Mathematical Problems in Engineering*. 2020, 8863147. (JCR Q3, IF=1.305)

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