

## TABLE OF CONTENTS 目 录

### **A Multifunctional Serial-Port Server Design Based on Zynq**

(一种基于 Zynq 的多功能串口服务器设计)

H. W. JIANG, L. T. GUO, X. M. GOU, Y. B. ZHANG.....89

### **Comparison of UWB Narrow Pulse Generation Methods**

(超宽带窄脉冲产生方法比较)

Z. LI, J. F. LUO.....96

### **A Decoder Abstraction Method Based on Deep Neural Network**

(一种基于深度神经网络的译码器抽象方法)

J. H. XU, Y. H. GAO, H. W. YANG.....105

### **Design of the Growing Square Slot Fractal Array Ultra Wideband Antenna**

(生长方形缝隙分形阵列超宽频带天线设计)

Y. L. PAN, Z. C. LI, B. LIN, Z. J. HONG, P. ZHENG, X. Y. WEI.....112

### **A Survey on Routing Algorithms in Wireless Sensor Networks**

(综述无线传感器网络路由算法)

D. M. XING.....119

### **A Design and Implementation of Indoor Positioning Algorithm Based on Wi-Fi**

(一种基于 Wi-Fi 的室内定位算法研究与实现)

J. D. QIU, N. KE, L. J. ZHUANG, J. X. LIANG.....130