

ISSN 1002-2279

CN21-1216 / TP

# 微 处 理 机

## MICROPROCESSORS



# 3

第39卷

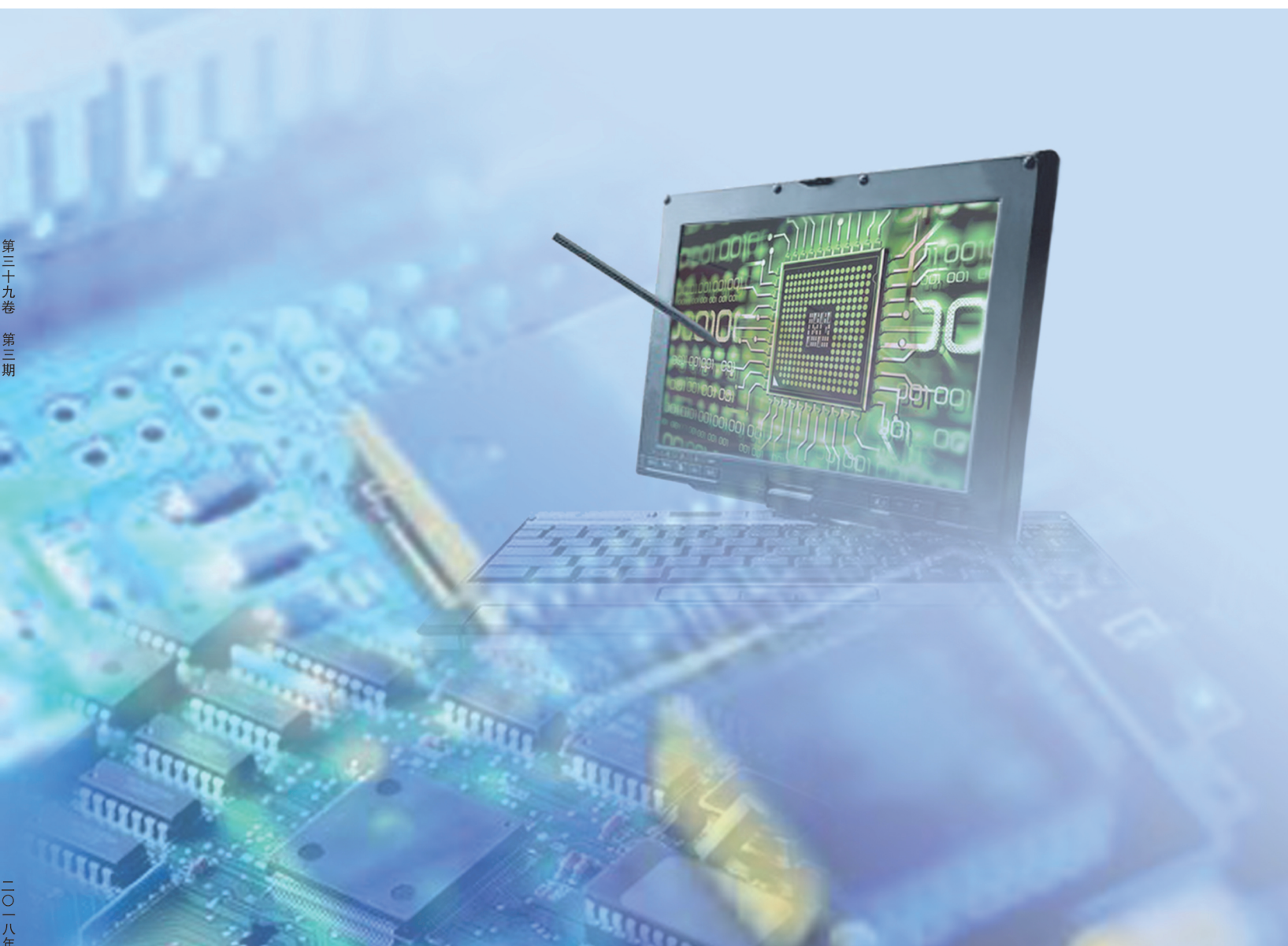
2018

| 中国科技论文统计源 | 中国期刊全文数据库 | 中国学术期刊(光盘版) | 中国核心期刊遴选数据库 | 万方数据库 |  
| 中国学术期刊综合评价数据库 | 《CAJ-CD规范》执行优秀期刊 | 维普数据库 | 《中国电子科技文摘》 |

微  
处  
理  
机

第  
三  
十  
九  
卷  
第  
三  
期

二  
〇  
一  
八  
年  
六  
月



ISSN 1002-2279



### 中国电子科技集团公司第四十七研究所主办

万方数据

---

目 次

·大规模集成电路设计、制造与应用·

- 一种具有对称结构的低损耗低纹波电荷泵····· 万 悦,吕 坚,周 云,阙隆成,田 雷 (1)
- 基于金锡合金焊料的低空洞率真空烧结技术研究·····王 猛,刘洪涛 (6)
- 快速响应贵金属薄膜热电偶的研制·····谢贵久,陈云锋,谢 锋,龚杰洪,季惠明 (10)
- 一种宽带接收机射频前端芯片设计·····竺 磊,吴俊杰,万川川,张 浩 (15)
- 一种提高功率 MOSFET 击穿电压的终端结构·····林洪春,薛 斌 (20)
- 技术状态管理在集成电路产品中的应用·····于楠楠 (24)

·微机网络与通信·

- 用于视频传输的 10G 网络接口设计·····赵柏山,王禹衡,刘佳琪 (28)

·微机软件·

- 一种面向直接迭代误差的 NLMS-OCF 算法研究·····李 茹,翟书颖,李 波 (33)
- 检测单相电压暂降的直接导数算法·····蒋海玮,李东辉 (37)
- 无需信源数目的改进 TOFS 算法·····曾耀平 (43)

·微机应用·

- 基于 Kinect 的手势图像识别研究·····金宏硕,刘振宇 (47)
- 基于单片机的液面监控仪设计·····李红春 (55)
- 一种不共地系统的电压门限监控电路·····邢亚第 (60)

# MICROPROCESSORS

No.3 2018

Vol.39

Total 189

---

## CONTENTS

### Large Scale Integrated Circuit Design, Manufacture and Application

A Low Loss and Low Ripple Charge Pump

with Symmetrical Structure.....WAN Yue, LV Jian, ZHOU Yun, QUE Longcheng, TIAN Lei ( 1 )

Study on Vacuum Sintering Technology with

Low Porosity Based on Au-Sn Alloy Solder.....WANG Meng, LIU Hongtao ( 6 )

Research on Rapid Response Precious Metal

Thin Film Thermocouple.....XIE Guijiu, CHEN Yunfeng, XIE Feng, GONG Jiehong, JI Huiming (10)

Design of RF Front-end Chip for Wideband Receiver.....ZHU Lei, WU Junjie, WAN Chuanchuan, ZHANG Hao (15)

A Terminal Structure for Improving the Breakdown

Voltage of Power MOSFET.....LIN Hongchun, XUE Bin (20)

Application of Configuration Management in Integrated Circuit Products.....YU Nannan (24)

### Network and Communication

Design of 10G Network Interface for Video Transmission.....ZHAO Baishan, WANG Yuheng, LIU Jiaqi (28)

### Computer Software

Research on NLMS-OCF Algorithm for Direct Iteration Error .....LI Ru, ZHAI Shuying, LI Bo (33)

Direct Derivative Algorithm for Detecting Single-phase Voltage Sag.....JIANG Haiwei, LI Donghui (37)

Modified TOFS Algorithm with Unknown Number of Sources.....ZENG Yaoping (43)

### Computer Application

Research on Gesture Image Recognition Based on Kinect.....JIN Hongshuo, LIU Zhenyu (47)

Design of Liquid Level Monitor Based on Single Chip Microcomputer.....LI Hongchun (55)

A Voltage Threshold Monitoring Circuit for Non-common Ground System.....XING Yadi (60)