

## ■ ARTICLES

- 122101 **Research on the photoluminescence of spectral broadening by rapid thermal annealing on InAs/GaAs quantum dots**  
[6 pages] Dandan Ning, Yanan Chen, Xinkun Li, Dechun Liang, Shufang Ma, Peng Jin, and Zhanguo Wang
- 122102 **The influence of total ionizing dose on the hot carrier injection of 22 nm bulk nFinFET**  
[5 pages] Baoshun Wang, Jiangwei Cui, Qi Guo, Qiwen Zheng, Ying Wei, and Shanxue Xi
- 122103 **The etching process and mechanism analysis of Ta-Sb<sub>2</sub>Te<sub>3</sub> film based on inductively coupled plasma**  
[5 pages] Yongkang Xu, Sannian Song, Wencheng Fang, Chengxing Li, and Zhitang Song
- 122201 **Small molecule donors with different conjugated  $\pi$  linking bridges: Synthesis and photovoltaic properties**  
[7 pages] Xiyue Dong, Dingqin Hu, Pengyu Chen, Xuexin Dai, Chao Hu, Zeyun Xiao, and Shirong Lu
- 122301 **Self-powered circularly polarized light detector based on asymmetric chiral metamaterials**  
[7 pages] Zhihua Yin, Xuemeng Hu, Jianping Zeng, Yun Zeng, and Wei Peng
- 122401 **A 16-bit 1 MSPS SAR ADC with foreground calibration and residual voltage shift strategy**  
[9 pages] Xian Zhang, Xiaodong Cao, and Xuelian Zhang
- 122402 **Theoretical study of a group IV p-i-n photodetector with a flat and broad response for visible and infrared detection**  
[7 pages] Jinyong Wu, Donglin Huang, Yujie Ye, Jianyuan Wang, Wei Huang, Cheng Li, Songyan Chen, and Shaoying Ke
- 122403 **Design of GGNMOS ESD protection device for radiation-hardened 0.18  $\mu$ m CMOS process**  
[8 pages] Jianwei Wu, Zongguang Yu, Genshen Hong, and Rubin Xie
- 122501 **Prediction and observation of defect-induced room-temperature ferromagnetism in halide perovskites**  
[9 pages] Zhiguo Sun, Bo Cai, Xi Chen, Wenxian Wei, Xiaoming Li, Dandan Yang, Cuifang Meng, Ye Wu, and Haibo Zeng
- 122502 **An antiferromagnetic two-dimensional material: Chromium diiodides monolayer**  
[5 pages] Jingjing Zhang, Jin Yang, Liangzhong Lin, and Jiaji Zhu
- 122701 **Effects of high temperature annealing and laser irradiation on activation rate of phosphorus**  
[6 pages] Shaojie Li and Peide Han

- 
- 122801 **Performance of hydrogenated diamond field-effect transistors on single and polycrystalline diamond**  
[4 pages] Rui Zhou, Cui Yu, Chuangjie Zhou, Jianchao Guo, Zezhao He, Yanfeng Wang, Feng Qiu, Hongxing Wang, Shujun Cai, and Zhihong Feng
- 122802 **Comprehensive study of crystalline AlN/sapphire templates after high-temperature annealing with various sputtering conditions**  
[7 pages] Wen Gu, Zhibin Liu, Yanan Guo, Xiaodong Wang, Xiaolong Jia, Xingfang Liu, Yiping Zeng, Junxi Wang, Jinmin Li, and Jianchang Yan
- 122803 **RF performance evaluation of p-type NiO-pocket based  $\beta$ -Ga<sub>2</sub>O<sub>3</sub>/black phosphorous heterostructure MOSFET**  
[6 pages] Narendra Yadava, Shivangi Mani, and R. K. Chauhan
- 129501 **Annual List of Contents to Volume 41**  
[7 pages]
- 129901 **Author Index to Volume 41**  
[9 pages]