

Special Topic: Enabling Techniques and Cutting-Edge Applications of Foundation Models

Special topic on enabling techniques and cutting-edge applications of foundation models	160100(2)
Liping JING, Qi LIU & Min-Ling ZHANG	
Agent4Vul: multimodal LLM agents for smart contract vulnerability detection	160101(16)
Wanqing JIE, Wangjie QIU, Haofu YANG, Muyuan GUO, Xinpeng HUANG, Tianyu LEI, Qinnan ZHANG, Hongwei ZHENG & Zhiming ZHENG	
RAG-leaks: difficulty-calibrated membership inference attacks on retrieval-augmented generation	160102(18)
Guangshuo WANG, Jiajun HE, Hao LI, Min ZHANG & Dengguo FENG	
DiagLLM: multimodal reasoning with large language model for explainable bearing fault diagnosis.....	160103(15)
Jie WANG, Tianrui LI, Yan YANG, Shiqian CHEN & Wanming ZHAI	
On the encryption for graph foundation model inference of sparse graph	160104(16)
Man-Jie YUAN, Xue-Tong BAI, Kai-Ran ZHANG & Wei GAO	
MindScore: quantifying human preference for text-to-image generation through multi-view lens.....	160105(14)
Yiqi TONG, Jiarui ZHANG, Shaohang WEI, Wei GUO, Fuzhen ZHUANG, Deqing WANG, Xi YANG & Richeng XUAN	
LEDNet: a multimodal foundation model for robust deepfake detection.....	160106(15)
Renshuai TAO, Shijie TANG, Haotong QIN, Wei WANG, Yunchao WEI & Yao ZHAO	
The superalignment of superhuman intelligence with large language models	160107(11)
Minlie HUANG, Yingkang WANG, Shiyao CUI, Pei KE & Jie TANG	
Trustworthy forgery detection with causal inference.....	160108(2)
Junxian DUAN, Fan JI, Yi LI, Hao SUN & Ran HE	
Dynamic prompt allocation and tuning for continual test-time adaptation	160109(2)
Chaoran CUI, Yongrui ZHEN, Shuai GONG, Chunyun ZHANG, Hui LIU & Yilong YIN	
Visual and text prompt learning for multi-modal brain disease diagnosis	160110(2)
Yumiao ZHAO, Bo JIANG, Yuhe DING, Xixi WAN & Jin TANG	

Special Topic: Novel Memory Materials and Devices: Ferroelectrics and Oxide Semiconductors

Ferroelectric materials, devices, and chips technologies for advanced computing and memory applications: development and challenges.....	160401(56)
Xiao YU, Ni ZHONG, Yan CHENG, Tianjiao XIN, Qing LUO, Tiancheng GONG, Jiezhi CHEN, Jixuan WU, Ran CHENG, Zhiyuan FU, Kechao TANG, Jin LUO, Tianling REN, Fei XUE, Lin CHEN, Tianyu WANG, Xueqing LI, Xiuyan LI, Ping WANG, Xinqiang WANG, Jie SUN, Anquan JIANG, Peiyuan DU, Bing CHEN, Chengji JIN, Jiajia CHEN, Haoji QIAN, Wei MAO, Siying ZHENG, Huan LIU, Haiwen XU, Can LIU, Zhihao SHEN, Xiaoxi LI, Bochang LI, Zheng-Dong LUO, Jiuren ZHOU, Yan LIU, Yue HAO & Genquan HAN	
Improvement with low operation voltage in ultrathin La-doped $\text{Hf}_{0.5}\text{Zr}_{0.5}\text{O}_2$ ferroelectric capacitors	160402(8)
Min ZENG, Shiwei YAN, Shiyuan LIU, Tianyue FU, Honggang LIU, Qianlan HU & Yanqing WU	
Polynomial geometric transformation based on IGZO charge trapping RAM array for machine vision calibration.....	160403(9)
Lin BAO, Haisu ZHANG, Zongwei WANG, Linbo SHAN, Cuimei WANG, Yimao CAI & Shanguo HUANG	
Co-optimization of ferroelectric gate stacks on operation voltage and memory window for next-generation NAND flash	160404(7)
Bo CHEN, Yizhi LIU, Yifan WU, Pengpeng SANG, Jixuan WU, Xuepeng ZHAN & Jiezhi CHEN	
Enhanced memory window and reliability of α -IGZO FeFET enabled by atomic-layer-deposited HfO_2 interfacial layer	160405(6)
Yinchi LIU, Xun LU, Shiyu LI, Hao ZHANG, Jining YANG, Yeye GUO, Dmitriy Anatolyevich GOLOSOV, Chenjie GU, Hongliang LU, Zhigang JI, Shijin DING & Wenjun LIU	
Crystal orientation-modulated ferroelectric and dielectric properties in $\text{Hf}_{0.5}\text{Zr}_{0.5}\text{O}_2$ thin films.....	160406(9)
Yu-Chun LI, Xiao-Xi LI, Zhongshan XU, Zi-Ying HUANG, Yingguo YANG, Xiao-Na ZHU, Ming LI, David Wei ZHANG & Hong-Liang LU	

Prospects and challenges of HfO ₂ -based ferroelectric devices	160407(3)
Shinichi TAKAGI, Mitsuru TAKENAKA & Kasidit TOPRASERTPONG	
Temperature-dependent wakeup behavior in back-end-of-line compatible ultra-thin Hf _x Zr _{1-x} O ₂ ferroelectric film.....	160408(2)
Xiaopeng LI, Lu TAI, Xiaoyu DOU, Yang FENG, Dong ZHANG, Xuepeng ZHAN, Jixuan WU, Xiao GONG & Jiezhi CHEN	
A parallel computing-in-memory accelerator utilizing FeRAM array with retention loss correction	160409(2)
Can LIU, Zhihao SHEN, Wei MAO, Bo LI, Xiaomeng LV, Fuyi LI, Peng XIAO, Haiqiao HONG, Shirui ZHAO, Siyang ZHENG, Xiaoxi LI, Xiao YU, Jiuren ZHOU, Bing CHEN, Yan LIU & Genquan HAN	
Scaled 3D-stacked 2T0C DRAM based on indium-tin-oxide transistors with long data retention and fast write speed of 10 ns	160410(2)
Shenwu ZHU, Qianlan HU, Chengru GU, Shiwei YAN, Aocheng QIU & Yanqing WU	

REVIEW

An overview of recent advances in event-triggered control	161201(31)
Xian-Ming ZHANG, Qing-Long HAN, Xiaohua GE, Derui DING, Boda NING & Bao-Lin ZHANG	

RESEARCH PAPER

Pareto adversarial robustness: balancing spatial robustness and sensitivity-based robustness	162101(15)
Ke SUN, Mingjie LI & Zhouchen LIN	
Pushing one pair of labels apart each time in multi-label learning: from single positive to full labels	162102(18)
Xiang LI, Xinrui WANG & Songcan CHEN	
Alternating optimization for bundle adjustment with closed form solutions	162103(15)
Chengzhe MENG, Yiwen JIANG & Weiwei XU	
Attention-enhanced computational ghost imaging.....	162104(10)
Yifan CHEN, Tong TIAN, Xin LU, Chen LI, Ruolan ZHU, Zhe SUN & Xuelong LI	
A FAS approach for stabilization of generalized chained systems: multi-vector case.....	162201(20)
Guang-Ren DUAN	
One model, two skills: active vision and action learning model for robotic manipulation	162202(19)
Guokang WANG, Yanhong LIU & Huaping LIU	
An enhanced 6G pervasive channel model towards standardization	162301(22)
Cheng-Xiang WANG, Zhen LV, Chen HUANG, Yusong HUANG, Jun WANG, Jie HUANG & Xiaohu YOU	
WiFo: wireless foundation model for channel prediction.....	162302(13)
Boxun LIU, Shijian GAO, Xuanyu LIU, Xiang CHENG & Liuqing YANG	
Cryptographic characteristics of true random number generators using gated silicon nanosheet diodes	162401(10)
Juhee JEON, Yunwoo SHIN, Hyojoo HEO, Jaemin SON, Seungho RYU, Kyoungah CHO & Sangsig KIM	

LETTER

Graph decision transformer for offline reinforcement learning.....	169101(2)
Shengchao HU, Li SHEN, Ya ZHANG & Dacheng TAO	
Breakdown voltage over 10 kV β -Ga ₂ O ₃ heterojunction FETs with RESURF structure.....	169401(2)
Chenlu WANG, Sihan SUN, Chunxu SU, Hong ZHOU, Jincheng ZHANG & Yue HAO	