

**AUTHOR INDEX**  
of  
**J. Infrared and Millimeter Waves**  
**Vol. 26(2007)**

- AI Qing**—See XIA Xin-Lin(174)
- CAI Jing-Ye**—See XU Rui-Min(222)
- CAI Peng-Fei**—See ZHANG Ming-Jun(344)
- CAI Yi**—See WU Xin-She (10)
- CAI Yong**—See CHENG Zhi-Qun(241)
- CAO Fang**—See SHAO Yong-Ni(433)
- CHANG Ben-Kang**—See SUN Lian-Jun (232)
- CHEN Bei-Ran WEI Yan-Yu GONG Yu-Bin YUE Ling-Na WANG Wen-Xiang** (National Key Laboratory of High Power Vacuum Electronics, School of Physical Electronics, University of Electronic Science and Technology of China, Chengdu 610054, China) : *Study on open column slow-wave grating structure's dispersion characteristics*(366)
- CHEN Bin**—See WANG Min(56)
- CHEN Chang-Ming<sup>1,2</sup> XU Jun<sup>1</sup> YU Meng-Xia<sup>1</sup> WANG Tian-Bao<sup>2</sup>** (1. School of Physical Electronics, UEST of China , Chengdu 610054 , China; 2. Department of Communication Engineering of Chengdu University of Information Technology, Chengdu 610225, China) : *Study on a 6W millimeter wave solid-state integrated power-combining amplifier*(35)
- CHEN Hong-Yu<sup>1</sup> SHEN Xue-Min<sup>2</sup> ZHU Zhen-Cai<sup>1</sup>** (1. Shanghai Engineering Center for MicroSatellites, Shanghai 200050, China; 2. Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China) : *DSP of static infrared-earth-sensor based on matching filter*(191)
- CHEN Jing**—See CHENG Zhi-Qun(241)
- CHEN Jing**—See HU Gu-Jin(89)
- CHEN Jing**—See LIN Tie(329)
- CHEN Li**—See YANG Hong-Qin(340)
- CHEN Qian**—See SUI Xiu-Bao(377)
- CHEN Shao-Lin**—See ZHOU Bin-Bin(293)
- CHEN Si-Hai**—See HUANG Ying(26)
- CHEN Xi-Quan<sup>1,2,3</sup> WANG Ru-Li<sup>1</sup> ZU Xiao-Tao<sup>2</sup> JIANG Xiao-Dong<sup>3</sup> ZHENG Wan-Guo<sup>3</sup>** (1. Shanghai Institute of technical physics, Chinese Academy of Sciences, Shanghai 200083, China; 2. School of physical electronics, University of electronic science & technology of China, Chengdu 610054, China; 3. Laser Fusion Research Center, China Academy of Engineering Physics, Mianyang 621900, China) : *Thermal diffusivity of films measured by interferential photothermal displacement phase signal*(473)
- CHEN Yong-Ping LIU Qiang SHI Yong-Ming TANG Cheng-Wei LIANG Ping-Zhi** (Shanghai Institute of Technical Physics, Chinese Academy of Science, Shanghai 200083, China) : *Development of monolithic 128 × 1 un-cooled vanadium oxide micro-bolometer focal plan array*(336)
- CHEN Yun-Hao**—See PENG Guang-Xiong(22)
- CHEN Yun-Lin**—See ZHOU Bin-Bin(293)
- CHENG Jian<sup>1</sup> XU Shan-Jia<sup>1</sup> Ke WU<sup>2</sup>** (1. Department of Electronics Engineering and Information Science, University of Science & Technology of China, Hefei 230027, China; 2. Department of Electrical and Computer Engineering, Ecole Polytechnique de Montreal, University of Montreal, P. Q., Canada) : *Theoretical analysis of a new grating leaky wave antenna based on left-handed materials* (321)
- CHENG Zhi-Qun<sup>1</sup> CAI Yong<sup>2</sup> LIU Jie<sup>2</sup> ZHOU Yu-Gang<sup>2</sup> LIU Zhi-Mei<sup>2</sup> CHEN Jing<sup>2</sup>** (1. Microelectronics CAD Center, Hangzhou Dianzi University, Hangzhou 310018, China; 2. Dept. of ECE, Hong Kong University of Science and Technology, Hong Kong, China) : *Novel composite channel  $Al_{0.3}Ga_{0.7}N/Al_{0.05}Ga_{0.95}N/GaN$  HEMT MMIC VCO with low phase noise*(241)
- CHU Jun-Hao**—See HU Gu-Jin(89)
- CHU Jun-Hao**—See LIN Tie(329)
- CHU Jun-Hao**—See LIU Ai-Yun(405)
- DAI Jing-Min**—See WANG Xin-Bei(149)
- DAI Ning**—See DENG Hui-Yong(5)
- DAI Ning**—See HU Gu-Jin(89)
- DAI Ning**—See WU Gang(213)
- DAI Ning**—See XIA Ming-Long(261)
- DAN Di-Di**—See ZHANG De-Yin(170)
- DENG Hui-Yong FANG Wei-Zheng HONG Xue-**

- Kun DAI Ning** ( National Laboratory for Infrared Physics, Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China ) : *Investigations on optical properties of  $InAs_{0.96}Sb_{0.04}$  infrared thin films* (5)
- DI Wei**—See HE Lin(353)
- DONG Shi-Kui**—See LI Jia-Yu(469)
- DONG Zheng**—See ZHANG De-Yin(170)
- DU Feng-Juan<sup>1</sup> LIU YI<sup>1,2</sup> TAO Ke-Yu<sup>2</sup> YANG Sheng-Hong<sup>1</sup> ZHANG Yue-Li<sup>1</sup>** (1. State Key Laboratory of Optoelectronic Materials and Technologies, School of Physics and Engineering, Sun Yat-sen University, Guangzhou 510275, China; 2. Normal College and School of Physics and Science, College of Electronic Science and Technology, Shenzhen University, Shenzhen 518060, China ) : *Structural and optical properties of  $Bi_{4-x}La_xTi_3O_{12}$  thin films* (332)
- DU Jia<sup>1</sup> HAO Yun-Sheng<sup>1</sup> LV Yun-Feng<sup>1,2</sup> ZHAO Nai-Zhuo<sup>1</sup>** (1. College of Urban and Environmental Sciences, Northeast Normal University, Changchun 130024, China; 2. Dean's Office, Changchun Normal University, Changchun 130032, China ) : *Preliminary discussion on calculation of seawater density with multi-angle polarized information* (307)
- FAN Min**—See LUO Lin(372)
- FAN Shi-Wei**—See ZHANG Guang-Ming(425)
- FAN Zhi-Gang<sup>1,2</sup> ZHANG Ya-Ping<sup>2</sup> PEI Yang-Wei<sup>2</sup> ZHANG Jun<sup>2</sup> HE Yan-Lei<sup>2</sup>** (1. Postdoctoral Research Station of Mechanical Engineering, Harbin Engineering University, Harbin 150001, China; 2. Research Center of Space Optics Engineering, Harbin Institute of Technology, Harbin 150001, China ) : *Numerical simulation of optical transmission through high speed aircraft optical window in aero-dynamic thermal environment* (396)
- FANG Jian-Cheng**—See WU Lin(312)
- FANG Wei-Hai XU Shan-Jia** ( Department of Electronics Engineering and Information Science, University of Science & Technology of China, Hefei 230027, China ) : *New frequency selective surface composed of left-handed materials* (121)
- FANG Wei-Zheng**—See DENG Hui-Yong(5)
- FANG Yong**—See LIU Sheng-Peng (217)
- FENG Lei**—See WU Di(269)
- FENG Xiao-Guo**—See LI Xiao-Qiu(146)
- FU Jun-Mei**—See LI Sheng-Xian(359)
- GAN Hua-Dong**—See ZHU Hui(81)
- GAO Jin-Song**—See LI Xiao-Qiu(146)
- GAO Xiang<sup>1</sup> QIN Qin<sup>2</sup> WANG Ru-Li<sup>1</sup>** (1. Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083 china; 2. Shanghai Second Polytechnic University, School of Electronics & Electrical Engineering, Shanghai 201209, China ) : *Novel anisotropic diffusion filter* (237)
- GE Yu-Jian**—See LIU Ai-Yun(405)
- GONG Cai-Lan YIN Qiu KUANG Ding-Bo** ( Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China ) : *Remote sensing information extraction of urban environment* (447)
- GONG Hai-Mei**—See QIAO Hui(326)
- GONG Yu-Bin**—See CHEN Bei-Ran(366)
- GU Ling**—See NIU Xin-Jian(117)
- GU Xing-Fa**—See YANG Gui-Jun(15)
- GUAN Li<sup>1</sup> HUANG Hung-Lung<sup>2</sup>** (1. Nanjing University of Information Science & Technology, Nanjing 210044, China; 2. University of Wisconsin, Madison WI 53705, USA ) : *Array co-registration error of airs* (153)
- GUAN Fu-Hong<sup>1,2</sup> WANG Chuang<sup>1,2</sup> TIAN Wei-Zhong<sup>1,2</sup> QIAN Rong<sup>1</sup> SUN Xiao-Wei<sup>1</sup>** (1. Shanghai Institute of Microsystem and Information Technology of CAS, Shanghai 200050, China; 2. Graduate School of CAS, Beijing 100039, China ) : *Development of MMIC direct detection receivers* (125)
- GUO Lei**—See LUO Xin(443)
- GUO Bao-Long**—See ZHANG Qiang(476)
- HAN Lu-Jia**—See LI Qiong-Fei(414)
- HE Jin-Cheng<sup>1,2</sup> YANG Xiang-Long<sup>1</sup> WANG Li-Ren<sup>1</sup>** (1. College of Biosystem Engineering and Food Science, Zhejiang University, Hangzhou 310029, China; 2. College of Mechanical and Electronic Engineering, Fujian Agriculture and Forestry University, Fuzhou 350002, China ) : *Pathlength selection of determining the chemical oxygen demand (COD) in wastewater by using near-infrared transmission spectra* (317)
- HE Lin<sup>1,2</sup> PAN Quan<sup>2</sup> DI Wei<sup>2</sup>** (1. College of Automation Science and Engineering, South China University of Technology, Guangzhou 510641, China; 2. College of Automation, Northwestern Polytechnical University, Xi'an 710072, China ) : *Multicategory targets detection of hyperspectral imagery based on adaptive structured background and shape-feature subspace* (353)
- HE Yan-Lei**—See FAN Zhi-Gang(396)
- HE Yong**—See SHAO Yong-Ni(433)
- HE Yong**—See WU Di(269)
- HE Yu-Hua**—See PENG Guang-Xiong(22)

- HE Zhi-Hong—See LI Jia-Yu(469)
- HE Zhi-Ping—See QI Hong-Xing(52)
- HE Zhi-Ping—See WANG Zhi-He(465)
- HONG Xue-Kun—See DENG Hui-Yong(5)
- HONG Xue-Kun—See HU Gu-Jin(89)
- HOU Biao—See HU Ying(451)
- HOU Yong-Gai—See LU Peng-Xian(69)
- HOU Yun—See LIU Ai-Yun(405)
- HU Gu-Jin HONG Xue-Kun CHEN Jing CHU Jun-Hao DAI Ning (National Laboratory for infrared physics, Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China); *Formation mechanism of periodical ferroelectric multilayers with high optical reflectivity*(89)
- HU Lai-Zhao—See ZHU Ming(302)
- HU Wei-Da—See QUAN Zhi-Jue(92)
- HU Xiang-Long—See YANG Hong-Qin(340)
- HU Ying WANG Shuang HOU Biao JIAO Li-Cheng (Institute of Intelligent Information Processing, Xidian University, Xi' an 710071, China); *Remote sensing target recognition based on SWBCT and projection feature*(451)
- HUANG Da-Gui—See ZHANG De-Yin(170)
- HUANG Hua-Guo—See YANG Gui-Jun(15)
- HUANG Hung-Lung—See GUAN Li(153)
- HUANG Jing<sup>1,2</sup> QIU Chong-Jian<sup>1</sup> ZHANG Yan-Wu<sup>3</sup> (1. College of Atmospheric Sciences, Lanzhou University, Lanzhou 730000, China; 2. National Meteorological Center, Beijing 100081, China; 3. National Climate Center, Beijing 100081, China); *Statistical method for retrieving the clear atmospheric parameters from satellite infrared measurements*(102)
- HUANG Jing-Feng—See YI Qiu-Xiang(393)
- HUANG Min—See XU Zhi-Cheng(85)
- HUANG Min—See YIN Shi-Min(274)
- HUANG Ying<sup>1,2</sup> XIANG Si-Hua<sup>1</sup> CHEN Si-Hai<sup>1,2</sup> LAI Jian-Jun<sup>1,2</sup> YI Xin-Jian<sup>1,3</sup> (1. Institute of Optoelectronic Science and Engineering, Huazhong University of Science and Technology (HUST), Wuhan 430074, China; 2. National Optoelectronic Laboratory, Wuhan 430074, China; 3. Education Ministry Key Laboratory for Imaging Recognition and Intellectual Control, Wuhan 430074, China); *Study on microoptical scanner*(26)
- HUANG Zhi-Ming—See LIU Ai-Yun(405)
- JI Hong-Bing—See LUO Jun-Hui(209)
- JIA Feng-Min—See RONG Zhi-Guo(97)
- JIA Hong-Yan—See LI Xiao-Qiu(146)
- JIANG Xiao-Dong—See CHEN Xi-Quan(473)
- JIAO Li-Cheng—See YANG Xiao-Hui(419)
- JIAO Li-Cheng—See HU Ying(451)
- JIAO Li-Cheng—See MA Xiu-Li(38)
- JIAO Li-Cheng—See YANG Shu-Yuan(297)
- JIN Hai—See TAO Wen-Bing(61)
- JIN Hai-Yan—See YANG Xiao-Hui(419)
- JIN Liang-An<sup>1</sup> TIAN Heng-Dou<sup>1</sup> ZHAN Xi-Chen<sup>2</sup> XU Yu-Ming<sup>1</sup> SHI Kan<sup>1</sup> (1. Navigation Department, Dalian Naval Academy, Dalian 116018, China; 2. Management Department, Naval Aeronautic Engineering Academy, Yantai 264001, China); *Mechanism of interference effect degradation of special foam screen*(133)
- JIN Wei-Dong—See ZHU Ming(302)
- JIN Wei-Qi—See WANG Ji-Hui(256)
- KUANG Ding-Bo—See GONG Cai-Lan(447)
- KUANG Ding-Bo—See YIN Qiu(225)
- LAI Jian-Jun—See HUANG Ying(26)
- LENG Han-Bing TANG Xin-Yi PENG Ding-Xiang (Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China); *Research on nonuniformity correction of IRFPA based on integral time adjust*(246)
- LI Ai-Zhen—See LI Hua(1)
- LI Bao-Sheng<sup>1</sup> LIU Yong<sup>2</sup> WANG An<sup>2</sup> (1. School of Instrument Science and Opt-electric Engineering, Hefei University of Technology, Hefei 230009, China; 2. Anhui Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, Hefei 230031, China); *Uniform sampling method of optical fiber fourier transform spectrometer*(201)
- LI Chun-Lai—See WU Gang(213)
- LI Gui-Rong—See ZHU Hui(81)
- LI Hong-Fu—See NIU Xin-Jian(117)
- LI Hua<sup>1</sup> LI Ai-Zhen<sup>1,2</sup> ZHANG Yong-Gang<sup>1</sup> QI Ming (1. State Key Laboratory of Functional Materials for Informatics, Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, Shanghai 200050, China; 2. East China Normal University, Shanghai 200062, China); *Behavior of Si incorporation in Al<sub>x</sub>Ga<sub>1-x</sub>As (x = 0 to 1) grown by gas source molecular beam epitaxy*(1)
- LI Hui—See YANG Hong-Qin(340)
- LI Jia-Yu DONG Shi-Kui HE Zhi-Hong TAN He-Ping (School of Energy Science and Engineering, Harbin Institute of Technology, Harbin 150001, China);

- Radiative properties of alumina particles in exhaust plume*(469)
- LI Jie-Jun—See ZHANG Tian-Xu(409)
- LI Jing—See PENG Guang-Xiong(22)
- LI Jin-Hua—See ZHANG De-Yin(170)
- LI Kun—See ZHANG De-Yin(170)
- LI Qing-Li<sup>1</sup> XUE Yong-Qi<sup>2</sup> WANG Jian-Yu<sup>2</sup> YUE Xiao-Qiang<sup>3</sup> (1. School of Information Science, East China Normal University, Shanghai 200062, China; 2. Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China; 3. Department of Traditional Chinese Medicine, Changhai Hospital, Second Military Medical University, Shanghai 200433, China): *Automated tongue segmentation algorithm based on hyperspectral image*(77)
- LI Qiong-Fei<sup>1,2</sup> YANG Zeng-Ling<sup>1,2</sup> HAN Lu-Jia<sup>1,2,\*</sup> (1. College of Engineering China Agricultural University, Beijing 100083 ; 2. Key Laboratory of Modern Precision Agriculture System Integration Research, Ministry of Education, Beijing 100083, China): *Analysis of cattle and sheep content in pig or poultry meat and bone meal by near infrared reflectance spectroscopy*(414)
- LI Sheng-Xian<sup>1,2</sup> FU Jun-Mei<sup>1</sup> WU Xu-Da<sup>2</sup> (1. School of Electronics and Information Technology, Xi' An Jiao-Tong University, Xi' an 710049, China; 2. Xi' An Institute of Space Radio Technology, Xi' an 710100, China): *Narrow pass band waveguide filters in ka band*(359)
- LI Xiang-Yang—See QIAO Hui(326)
- LI Xian-Hua—See TAN Ke-Long(349)
- LI Xiao-Qiu<sup>1,2</sup> LU Jun<sup>3</sup> JIA Hong-Yan<sup>1,2</sup> GAO Jin-Song<sup>1</sup> FENG Xiao-Guo<sup>1</sup> SUN Lian-Chun<sup>1</sup> (1. Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun 130033, China; 2. Graduate School of the Chinese Academy of Sciences, Beijing 100039, China; 3. College of Applied Sciences, Changchun University of Science and Technology, Changchun 130022, China): *Frequency selective surfaces of multiple crossed dipoles element with dual-band* (146)
- LI Xing-Guo—See SHI Xiang(43)
- LI Xing-Guo—See ZHANG Guang-Feng(461)
- LI Yan XU Shan-Jia ZHANG Zhong-Xiang (Department of Electronics Engineering and Information Science, University of Science & Technology of China, Hefei 230027, China): *Novel microstrip antenna array fed with left-handed transmission line*(137)
- LI You-Zhu WANG Jian-Xun (Institute of Mechatronic Science and Technology, Southern Taiwan University of Technology, Tainan 710, China): *Infrared thermography target detection between concrete structure and plant leaf*(182)
- LI Yu-Heng YI Ke-Chu TIAN Hong-Xin (State Key Lab. of Integrated Service Networks, Xidian Univ., Xi' an 710071, China): *New method to improve the accuracy of attitude determination based on an onboard infrared earth sensor*(178)
- LI Zheng-Xin—See LU Peng-Xian(69)
- LI Zhi-Feng—See QUAN Zhi-Jue(92)
- LI Zhi-Feng—See XU Xiang-Yan(164)
- LIANG Ping-Zhi—See CHEN Yong-Ping(336)
- LIN Ru-Jian—See ZHANG Qi(30)
- LIN Tie SUN Jing-Lan MENG Xiang-Jian MA Jian-Hua SHI Fu-Wen ZHANG Xiao-Dong WANG Lin CHEN Jing CHU Jun-Hao (National Laboratory for Infrared Physics, Shanghai Institute of Technical Physics, Shanghai 200083, China): *Ferroelectric film thickness dependence of properties of infrared detector with an SiO<sub>2</sub> aerogel thermal insulation layer*(329)
- LIN Wen-Juan—See PENG Guang-Xiong(22)
- LIU Ai-Yun<sup>1,2</sup> XUE Jian-Qiang<sup>2</sup> HOU Yun<sup>2</sup> GE Yu-Jian<sup>2</sup> HUANG Zhi-Ming<sup>2</sup> CHU Jun-Hao<sup>2</sup> (1. Department of Physics, Shanghai Normal University, Shanghai 200234, China; 2. National Laboratory for Infrared Physics, Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China): *Optical characteristics of pmnt thin films in visible and mid infrared regions*(405)
- LIU Cheng—See RONG Zhi-Guo(97)
- LIU Fang—See MA Xiu-Li(38)
- LIU Hua-Lin YANG Wan-Lin (College of Electronic and Engineering, UEST of China, Chengdu 610054, China): *Radar target recognition based on generalized discriminant analysis of QR decomposition*(205)
- LIU Hui-Na—See ZHANG Tian-Xu(409)
- LIU Jie—See CHENG Zhi-Qun(241)
- LIU Ji-Jun—See TIAN Yan(386)
- LIU Jing-Jing—See RONG Zhi-Guo(97)
- LIU Jin—See LUO Jun-Hui(209)
- LIU Qiang—See YANG Gui-Jun(15)
- LIU Qiang—See CHEN Yong-Ping(336)
- LIU Qin-Huo—See YANG Gui-Jun(15)
- LIU Sheng-Peng FANG Yong (School of Communication and Information Engineering, Shanghai University, Shanghai 200072, China): *Infrared image fusion algo-*

- rithm based on contourlet transform and improved pulse coupled neural network* (217)
- LIU Yin-Nian—See WU Gang(213)
- LIU Yi—See DU Feng-Juan(332)
- LIU Yong—See LI Bao-Sheng(201)
- LIU Zhen—See LUO Xin(443)
- LIU Zhi-Gang<sup>1,2</sup> ZHOU Guan-Hua<sup>1,3,4</sup> (1. State Key Laboratory of Remote Sensing Science, Beijing 100101, China;2. School of Geography and Remote Sensing Science, Beijing Normal University, Beijing 100875, China;3. Graduate School of Chinese Academy of Sciences, Beijing 100039, China;4. College of Resources Science and Technology, Beijing Normal University, Beijing 100875, China) : *Polarization of sun glint* (362)
- LIU Zhi-Mei—See CHENG Zhi-Qun(241)
- LOU Guo-Wei—See SHI Xiang(43)
- LOU Guo-Wei—See ZHANG Guang-Feng(461)
- LU Hong-Hong—See SUI Xiu-Bao(377)
- LU Jun—See LI Xiao-Qiu(146)
- LU Peng-Xian<sup>1</sup> XU De-He<sup>2</sup> MA Qiu-Hua<sup>1</sup> WANG Gai-Min<sup>1</sup> HOU Yong-Gai<sup>1</sup> ZHOU Wen-Jun<sup>1</sup> LI Zheng-Xin<sup>1</sup> (1. College of Materials Science and Engineering, Henan University of Technology, Zhengzhou 450007, China;2. Mapping College of Information Engineering University, Zhengzhou 450052, China) : *XRD and raman scattering analysis on chromium doped 0.2PZN-0.8PZT piezoceramics* (69)
- LU Wei—See QUAN Zhi-Jue(92)
- LU Wei—See XU Xiang-Yan(164)
- LU Zu-Kang—See YANG Hong-Qin(340)
- LUAN Hui<sup>1,2</sup> ZHAO Kai<sup>1</sup> (1. Northeast Institute of Geography and Agriculture Ecology, CAS, Changchun 130012, China;2. Graduate School of the Chinese Academy of Sciences, Beijing 100049, China) : *Error analysis and accuracy validation of two-point calibration for microwave radiometer receiver* (289)
- LUO Jun-Hui JI Hong-Bing LIU Jin (School of Electronic Engineering, Xidian University, Xi'an 710071, China) : *Algorithm of IR small targets detection based on spatial filter and its application* (209)
- LUO Lin<sup>1,2</sup> FAN Min<sup>3</sup> WANG Li<sup>1</sup> SHEN Mang-Zuo<sup>2</sup> (1. Science College, Southwest Jiaotong University, Chengdu 610031, China;2. State Key Lab of Optical Technologies for Microfabrication, Institute of Optics and Electronics, Chinese Academy of Sciences, Chengdu 610209, China;3. Chengdu University of Information Technology, Chengdu 610041, China) : *High resolution restoration of the space extended object images with collimate fault* (372)
- LUO Xin<sup>1</sup> GUO Lei<sup>1</sup> LIU Zhen<sup>2</sup> (1. College of Automation, Northwest Polytechnical University, Xi'an 710072, China;2. School of Automation and Engineering, University of Electronic Science and Technology of China, Chengdu 610054, China) : *Lossless compression of hyperspectral imagery by IPCT and 3-D Tarp coder* (443)
- LUO Yi—See ZHANG Ming-Jun(344)
- LV Gang—See QI Hong-Xing(52)
- LV Gang—See WANG Zhi-He(465)
- LV Shi-Hua—See MENG Xian-Hong(107)
- LV Yun-Feng—See DU Jia(307)
- MA De-Min—See QI Hong-Xing(52)
- MA Jian-Hua—See LIN Tie(329)
- MA Qiu-Hua—See LU Peng-Xian(69)
- MA Xiu-Li<sup>1</sup> LIU Fang<sup>2</sup> JIAO Li-Cheng<sup>1</sup> (1. Institute of Intelligent Information Processing, Xidian University, Xi'an 710071, China;2. School of Computer Science, Xidian University, Xi'an 710071, China) : *Parameters optimization of synergetic neural network based on immunity clonal algorithm* (38)
- MENG Xiang-Jian—See LIN Tie(329)
- MENG Xian-Hong LV Shi-Hua ZHANG Tang-Tang (Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences, Lanzhou 730000, China) : *Testing, improvement and application of modis near infrared water vapor products-taking jinta oasis in heihe river basin as a case study* (107)
- NI Guang-Ren—See XIE Zhen-Hua(187)
- NIE Jian-Ying—See SHI Xiang(43)
- NIU Xin-Jian<sup>1,2</sup> GU Ling<sup>3</sup> YU Sheng<sup>1</sup> LI Hong-Fu<sup>1</sup> (1. College of Physical Electronics, University of Electronic Science and Technology of China, Chengdu 610054, China;2. Guangdong Witol Vacuum Electronics Manufacture Corporation Shunde 528311, China;3. College of Computer Science and Technology, Southwest University for Nationalities, Chengdu 610041, China) : *Corrugated waveguide mode conversion for 94GHz second-harmonic gyrotron* (117)
- NIU Zheng—See WANG Li-Wen(456)
- PAN Quan—See HE Lin(353)
- PAN Yong-Mei XU Shan-Jia (Department of Electronics Engineering and Information Science, University of Science & Technology of China, Hefei 230027, China) : A-

*analysis of filter characteristics for a new dielectric grating waveguide*(401)

PEI Yang-Wei—See FAN Zhi-Gang(396)

PEI Yun-Tian—See ZHANG Guang-Ming(425)

PENG Ding-Xiang—See LENG Han-Bing(246)

PENG Guang-Xiong<sup>1</sup> HE Yu-Hua<sup>2</sup> LI Jing<sup>1</sup> CHEN Yun-Hao<sup>1</sup> LIN Wen-Juan<sup>1</sup> (1. College of Resources Science and Technology, Beijing Normal University, Beijing 100875, China; 2. China Land Survey and Planning Institute, Beijing 100037, China); *Study on cbers-2's CCD image cross calibration and atmospheric correction*(22)

PENG Shu-Sheng<sup>1</sup> WU Li<sup>1</sup> YIN Xing-Hui<sup>2</sup> XU Zhi-Cai<sup>2</sup> (1. Elec. Sys. Depart., Nanjing Univ. of Sci. & Techn., Nanjing 210094, China; 2. Nanjing Purple Mountain Observatory, Nanjing 210008, China); *Characteristic parameters measurement of a 3mm band radiometer*(129)

PU Yun-Wei—See ZHU Ming(302)

QI Hong-Xing SHU Rong MA De-Min HE Zhi-Ping LV Gang (Shanghai Institute of Technical Physics, Chinese Academy of Science, Shanghai 200083, China); *Elemental recognition method based on laser induced breakdown spectroscopy*(52)

QI Ming—See LI Hua(1)

QIAN Ke-Wei—See YANG Tao(161)

QIAN Rong—See GUAN Fu-Hong(125)

QIAN Yun-Sheng—See SUN Lian-Jun(232)

QIAO Hui<sup>1,2</sup> ZHOU Wen-Hong<sup>1,2</sup> YE Zhen-Hua<sup>1</sup> LI Xiang-Yang<sup>1</sup> GONG Hai-Mei<sup>1</sup> (1. State Key Laboratories of Transducer Technology, Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China; 2. Graduate school of Chinese academy of sciences, Beijing 100039, China); *Study of hydrogenation on HgCdTe photovoltaic detectors*(326)

QIAO Li-Feng—See XIE Qi-Yuan(279)

QIN Qin—See GAO Xiang(237)

QIU Chong-Jian—See HUANG Jing(102)

QUAN Zhi-Jue LI Zhi-Feng HU Wei-Da YE Zheng-Hua LU Wei (National Laboratory for Infrared Physics, Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China); *Parameters extraction from the dark current characteristics of long-wavelength HgCdTe photodiode*(92)

REN De-Peng—See XIA Xin-Lin(174)

RONG Zhi-Guo<sup>1,3</sup> ZHANG Yu-Xiang<sup>1</sup> JIA Feng-Min<sup>2</sup> TAN Shi-Xiang<sup>2</sup> LIU Jing-Jing<sup>1</sup> ZHANG Yan<sup>1</sup>

LIU Cheng<sup>1</sup> ZHANG Peng<sup>1</sup> (1. Key Laboratory of Radiometric Calibration and Validation for Environmental Satellites, China Meteorological Administration, National Satellite Meteorology Center, Beijing 100081, China; 2. National Oceanic Technology Center, Tianjin 300111, China; 3. School of Physics, Peking University, Beijing 100871, China); *On-orbit radiometric calibration of fengyun geostationary meteorological satellite's infrared channels based on sea-surface measurements in the south china sea*(97)

SANG Nong TANG Qi-Ling ZHANG Tian-Xu (Institute for Pattern Recognition and Artificial Intelligence, Huazhong University of Science and Technology, Wuhan 430074, China); *Contour detection based on inhibition of primary visual cortex*(47)

SHAO Yong-Ni CAO Fang HE Yong (College of Biosystems Engineering and Food Science, Zhejiang University, Hangzhou 310029, China); *Discrimination years of rough rice by using visible/near infrared spectroscopy based on independent component analysis and bp neural network*(433)

SHEN Mang-Zuo—See LUO Lin(372)

SHEN Tao SONG Jian-She (The Second Artillery Engineer College, Xi'an 710025, China); *Research on test and effectiveness evaluation of smoke interference*(157)

SHEN Ting-Gen—See TANG Bing-Shu(73)

SHEN Wei—See WANG Min(56)

SHEN Xue-Min—See CHEN Hong-Yu(191)

SHEN Zhen-Kang—See SONG Xin(429)

SHI Chang-Cheng—See ZHANG Tian-Xu(409)

SHI Fu-Wen—See LIN Tie(329)

SHI Kan—See JIN Liang-An(133)

SHI Wen-Zhong—See TIAN Yan(386)

SHI Xiang<sup>1</sup> LOU Guo-Wei<sup>1</sup> LI Xing-Guo<sup>1</sup> ZHANG Guang-Feng<sup>1</sup> NIE Jian-Ying<sup>2</sup> (1. Nanjing Univ. & Sci. and Tech., Nanjing 210094, China; 2. Fuzhou Univ., Fuzhou 350002, China); *Modelling and calculating of millimeter wave radiant temperature for armored target*(43)

SHI Yong-Ming—See CHEN Yong-Ping(336)

SHU Rong—See QI Hong-Xing(52)

SHU Rong—See WANG Zhi-He(465)

SI Jian-Xiao—See XIA Ming-Long(261)

SONG Jian-She—See SHEN Tao(157)

SONG Xin WANG Lu-Ping Wang Ping SHEN Zhen-Kang (ATR Key Lab, School of Electronic Sci-

- ence and Engineering, National University of Defense Technology, Changsha 410073, China): *IR target tracking based on improved mean shift method*(429)
- SUI Xiu-Bao CHEN Qian LU Hong-Hong (School of Electronic Engineering and Optoelectronic Technology, NUST, Nanjing 210094, China): *Research on improving spatial resolution of infrared image*(377)
- SUN Chang-Zheng—See ZHANG Ming-Jun(344)
- SUN Jing-Lan—See LIN Tie(329)
- SUN Lian-Chun—See LI Xiao-Qiu(146)
- SUN Lian-Jun ZHANG Jun-Ju WANG Shi-Yun CHANG Ben-Kang QIAN Yun-Sheng (School of Electronic Engineering and Optoelectronic Techniques, Nanjing University of Science and Technology, Nanjing 210094, China): *Research on operating temperature characteristic of uncooled microbolometer detector*(232)
- SUN Sheng-Li—See ZHANG Guang-Ming(425)
- SUN Xiao-Min—See ZHU Hui(81)
- SUN Xiao-Wei—See GUAN Fu-Hong(125)
- TAN He Ping—See LI Jia-Yu(469)
- TAN Ke-Long<sup>1,2</sup> ZHOU Ri-Ping<sup>2</sup> WAN Yu-Qing<sup>2</sup>  
LI Xian-Hua<sup>1</sup> (1. Remote Sensing and Space Information Research Center of Shanghai University, Shanghai 200436, China; 2. Aerophotogrammetry & Remote Sensing Bureau of China Coal, Xi'an 710054, China): *Remote sensing monitoring method of hyperspectral and high-resolution for underground coal bed combustion*(349)
- TAN Ping-Heng—See ZHU Hui(81)
- TAN Shi-Xiang—See RONG Zhi-Guo(97)
- TANG Bing-Shu<sup>1,2</sup> SHEN Ting-Gen<sup>2</sup> (1. Department of Physics, Lianyungang Teacher's College, Lianyungang 222006, China; 2. Institute of Applied Physics, Jiangsu University, Zhenjiang 212013, China): *Effect of disorder on transmission spectra of two dimensional photonic crystals with transfer matrix method*(73)
- TANG Cheng-Wei—See CHEN Yong-Ping(336)
- TANG Qi-Ling—See SANG Nong(47)
- TANG Xin-Yi—See LENG Han-Bing(246)
- TAO Ke-Yu—See DU Feng-Juan(332)
- TAO Wen-Bing<sup>1,2</sup> JIN Hai<sup>1,2</sup> (1. Cluster and Grid Computing Laboratory, School of Computer, Huazhong University of Science and Technology, Wuhan 430074, China; 2. Service Computing Technology and System Laboratory of Ministry of Education, Huazhong University of Science and Technology, Wuhan 430074, China): *Ship infrared object segmentation based on mean shift filtering and graph spectral clustering*(61)
- TIAN Heng-Dou—See JIN Liang-An(133)
- TIAN Hong-Xin—See LI Yu-Heng(178)
- TIAN Wei-Zhong—See GUAN Fu-Hong(125)
- TIAN Yan<sup>1</sup> LIU Ji-Jun<sup>1</sup> XIE Yu-Bo<sup>1</sup> SHI Wen-Zhong<sup>2</sup> (1. Electronics and Information Engineering Department, Huazhong University of Science and Technology, Wuhan 430074, China; 2. Department of Land Surveying and Geo-informatics, The Hong Kong Polytechnic University, Hong Kong, China): *Extraction of transition region and image segmentation based on local fuzzy variance*(386)
- WAN Wei—See WU Yan(65)
- WAN Yu-Qing—See TAN Ke-Long(349)
- WAN Yu-Tian—See XIE Qi-Yuan(279)
- WANG An—See LI Bao-Sheng(201)
- WANG Bo (Computer Institute of Jinan University, Zhuhai 519070, China): *Histogram weighted filtering for high-noise-ratio infrared images*(380)
- WANG Chuang—See GUAN Fu-Hong(125)
- WANG Gai-Min—See LU Peng-Xian(69)
- WANG Jiang-Tao YANG Jing-Yu (Institute of Computer Science and Technology, Nanjing University of Science & Technology, Nanjing 210094, China): *Shape-based human detection in infrared image sequences*(437)
- WANG Jian-Xun—See LI You-Zhu(182)
- WANG Jian-Yu—See LI Qing-Li(77)
- WANG Jian-Yu—See WANG Zhi-He(465)
- WANG Jian-Yu—See WU Gang(213)
- WANG Ji-Hui JIN Wei-Qi WANG Xia WANG Ling-Xue (Department of Optical Engineering, Beijing Institute of Technology, Beijing 100081, China): *Performance evaluation of thermal imaging systems based on MRTD channel width*(256)
- WANG Ji-Qin—See ZHANG Xu-Chun(390)
- WANG Ling-Xue—See WANG Ji-Hui(256)
- WANG Lin—See LIN Tie(329)
- WANG Li-Ren—See HE Jin-Cheng(317)
- WANG Li—See LUO Lin(372)
- WANG Li-Wen<sup>1</sup> NIU Zheng<sup>1</sup> WEI Ya-Xing<sup>2</sup> (1. The State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences, Beijing 100101, China; 2. Liaoning Normal University, Dalian 116029, China): *Detecting the areas at risk of desertification in Xinjiang based on modis ndvi imagery*(456)

- WANG Li-Wen—See WANG Li-Wen(456)
- WANG Lu-Ping—See SONG Xin(429)
- WANG Min SHEN Wei CHEN Bin (Department of Electronics and Communication Engineering, School of Information Science and Technology, Sun Yat-Sen University, Guangzhou 510275, China); *New evaluation method based on correction-rate for non-uniformity correction of IRFPA*(56)
- WANG Min—See YANG Shu-Yuan(297)
- WANG Ping—See SONG Xin(429)
- WANG Qing-Lei—See XIA Ming-Long (261)
- WANG Ru-Li—See CHEN Xi-Quan(473)
- WANG Ru-Li—See GAO Xiang(237)
- WANG Shi-Yun—See SUN Lian-Jun(232)
- WANG Shuang—See HU Ying(451)
- WANG Tian-Ba—See CHEN Chang-Ming(35)
- WANG Wen-Xiang—See CHEN Bei-Ran(366)
- WANG Xia—See WANG Ji-Hui(256)
- WANG Xin-Bei XIAO Peng DAI Jing-Min (Harbin Institute of Technology, Harbin 150001, China); *Development of spectral emissivity measurementsystem based on fourier transform infrared spectrometer* (149)
- WANG Xiong-Liang WANG Zheng-Ming (1. Department of Mathematics, Institute of Science, National University of Defence Technology, Changsha 410073, China; 2. 75660 Army, Guilin 541002, China); *Super-resolution processing of SAR images by basis pursuit method based on fourier atom*(196)
- WANG Xiu-Zhen—See YI Qiu-Xiang(393)
- WANG Yan—See XIE Zhen-Hua(187)
- WANG Yao-Nan—See ZENG Zhe-Zhao(141)
- WANG Zheng-Ming—See WANG Xiong-Liang(196)
- WANG Zheng-Ming—See ZHAO Xia(112)
- WANG Zhi-He SHU Rong HE Zhi-Ping LV Gang  
WANG Jian-Yu (Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China); *New method of CCD camera calibration based on collimator*(465)
- WEI Yan-Yu—See CHEN Bei-Ran(366)
- WEI Ya-Xing—See WANG Li-Wen(456)
- WU Di<sup>1</sup> FENG Lei<sup>1</sup> ZHANG Chuan-Qing<sup>2</sup> HE Yong<sup>1</sup> (1. College of Biosystems Engineering and Food Science, Zhejiang University, Hangzhou 310029, China; 2. College of Agriculture and Biotechnology, Zhejiang University, Hangzhou 310029, China); *Early detection of gray mold (cinerea) on eggplant leaves based on vis/near infrared spectra*(269)
- WU Gang LI Chun-Lai LIU Yin-Nian DAI Ning  
WANG Jian-Yu (Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China); *Study on high resolution time interval measurement module in pulsed laser ranging system*(213)
- WU Hui-Zhen—See XIA Ming-Long(261)
- WU Ke—See CHENG Jian(321)
- WU Li—See PENG Shu-Sheng(129)
- WU Lin FANG Jian-Cheng YANG Zhao-Hua (School of Instrumentation Science & Opto-Electronics Engineering, Beijing University of Aeronautics and Astronautics, Beijing 100083, China); *Proper orthogonal decomposition applied in the analysis of simulating aero-optical distortions*(312)
- WU Tai-Xia—See ZHAO Nai-Zhuo(284)
- WU Wei—See YANG Tao(161)
- WU Xin-She CAI Yi (Kunming Institute of Physics, Kunming 650223, China); *Techniques of optical microscan in staring infrared imaging system* (10)
- WU Xu-Da—See LI Sheng-Xian(359)
- WU Yan WAN Wei (Department of Computer Science and Technology, Tongji University, Shanghai 200092, China); *Method on designing and training of artificial neural network based on genetic algorithm*(65)
- WU Yong-Jun—See XU Zhi-Cheng(85)
- XIA Ming-Long<sup>1</sup> WU Hui-Zhen<sup>1</sup> SI Jian-Xiao<sup>1</sup> XU Tian-Ning<sup>1</sup> WANG Qing-Lei<sup>1</sup> DAI Ning<sup>2</sup> XIE Zheng-Sheng<sup>3</sup> (1. Department of Physics, Zhejiang University, Hangzhou, Zhejiang 310027, China; 2. Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China; 3. State Key Laboratory of Functional Materials for Informatics, SIMIT, CAS, Shanghai 200050, China); *Optical properties of diluted magnetic Pb<sub>1-x</sub>Mn<sub>x</sub>te epitaxial films*(261)
- XIA Xin-Lin AI Qing REN De-Peng (School of Energy Science and Engineering, Harbin Institute of Technology, Harbin 150001, China); *Analysis on the transient temperature-fields for infrared radiation of aircraft skin* (174)
- XIANG Si-Hua—See HUANG Ying(26)
- XIANG Yun—See ZHAO Nai-Zhuo(284)
- XIANG Zhi-Jun—See YANG Tao(161)
- XIANGLI Bin—See YIN Shi-Min(274)
- XIAO Peng—See WANG Xin-Bei(149)
- XIAO Wen-Bo—See ZHU Hui(81)
- XIE Jun-Wei—See ZHANG Xu-Chun(390)



- XIE Qi-Yuan ZHANG He-Ping ZHANG Yong-Ming  
WAN Yu-Tian QIAO Li-Feng (State Key Laboratory  
of Fire Science, University of Science and Technology of  
China, Hefei 230027, China): *Experimental study on  
stokes scattering matrixes of smoke particles* (279)
- XIE Shu-Sen—See YANG Hong-Qin(340)
- XIE Yu-Bo—See TIAN Yan(386)
- XIE Zheng-Sheng—See XIA Ming-Long(261)
- XIE Zhen-Hua<sup>1</sup> XU Lu-Ping<sup>1</sup> NI Guang-Ren<sup>2</sup>  
WANG Yan<sup>1</sup> (1. School of Electronic Engineering, Xid-  
ian University, Xi'an 710071, China; 2. National Time  
Service Center, Chinese Academy of Sciences, Xi'an  
710600, China): *Pulsar signal recognition based on  
one-dimension selected line spectra* (187)
- XIONG Bing—See ZHANG Ming-Jun(344)
- XIU Ming-Lei—See ZHANG Qi(30)
- XU De-He—See LU Peng-Xian(69)
- XU Jin-Jun—See ZHOU Bin-Bin(293)
- XU Jun—See CHEN Chang-Ming(35)
- XU Lu-Ping—See XIE Zhen-Hua(187)
- XU Ping—See ZHU Hui(81)
- XU Rui-Min<sup>1</sup> YAO Hong-Fei<sup>1</sup> CAI Jing-ye<sup>2</sup> (1. School  
of Electronic Engineering, University of Electronic Sci-  
ence and Technology, Chengdu 610054, China; 2. School  
of Communication and Information Engineering, Univer-  
sity of Electronic Science and Technology, Chengdu  
610054, China): *Research on mm-wave frequency syn-  
thesizer with low phase noise and full-phase-coherence*  
(222)
- XU Shan-Jia—See CHENG Jian(321)
- XU Shan-Jia—See FANG Wei-Hai(121)
- XU Shan-Jia—See LI Yan(137)
- XU Shan-Jia—See PAN Yong-Mei(401)
- XU Tian-Ning—See XIA Ming-Long(261)
- XU Xiang-Yan YE Zhen-Hua LI Zhi-Feng LU Wei  
(National Laboratory for Infrared Physics, Shanghai In-  
stitute of Technical Physics, Chinese Academy of Sci-  
ence, Shanghai 200083, China): *Numerical modeling  
of middle wavelength two color photovoltaic HgCdTe  
detectors* (164)
- XU Yu-Ming—See JIN Liang-An(133)
- XU Zhi-Cai—PENG Shu-Sheng(129)
- XU Zhi-Cheng YAN Mi WU Yong-Jun HUANG  
Min ZHANG Zhi-Liang (Department of Materials  
Science and Engineering, Zhejiang Univ., Hangzhou  
310027, China): *Growth and magneto-optical proper-  
ties in optical communication band for (TbBi)<sub>3</sub>Ga<sub>x</sub>  
Fe<sub>5-x</sub>O<sub>12</sub> FILM/(TbYbBi)<sub>3</sub>Fe<sub>5</sub>O<sub>12</sub> crystal composite  
structure* (85)
- XUE Jian-Qiang—See LIU Ai-Yun(405)
- XUE Yong-Qi—See LI Qing-Li(77)
- YAN Cai-Fan—See ZHOU Bin-Bin(293)
- YAN Hui-Min—See YUAN Bo(265)
- YAN Lei—See ZHAO Nai-Zhuo(284)
- YAN Mi—See XU Zhi-Cheng(85)
- YANG Gui-Jun LIU Qin-Huo HUANG Hua-Guo  
LIU Qiang GU Xing-Fa (State Key Laboratory of Re-  
mote Sensing Science, Institute of Remote Sensing Ap-  
plications, Chinese Academy of Sciences, Beijing  
100101, China): *Methods for simulating infrared re-  
mote sensing images based on scene models* (15)
- YANG Hong-Qin<sup>1,3</sup> XIE Shu-Sen<sup>1,3</sup> HU Xiang-Long<sup>2</sup>  
CHEN Li<sup>1</sup> LI Hui<sup>1</sup> LU Zu-Kang<sup>3</sup> (1. Key Labo-  
ratory of Optoelectronic Science and Technology for Med-  
icine of Ministry of Education, Fujian Normal Universi-  
ty, Fuzhou 350007, China; 2. Fujian Institute of Trad-  
itional Chinese Medicine, Fuzhou 350003, China; 3.  
State Key Laboratory of Modern Optical Instrumentation,  
Zhejiang University, Hangzhou 310027, China): *Phe-  
nomenon of human meridian and its time correlation  
based on infrared thermal imaging* (340)
- YANG Jing-Yu—See WANG Jiang-Tao(437)
- YANG Sheng-Hong—See DU Feng-Juan(332)
- YANG Shu-Yuan WANG Min JIAO Li-Cheng (Insti-  
tute of Intelligent Information Processing, Xidian Univ.,  
Xi'an 710071, China): *High-ratio compression of re-  
mote sensing image based on ridgelet and neural net-  
work* (297)
- YANG Tao<sup>1</sup> XIANG Zhi-Jun<sup>2</sup> WU Wei<sup>1</sup> YANG Zi-  
Qiang<sup>1</sup> QIAN Ke-Wei<sup>1</sup> (1. Microwave Center, Uni-  
versity of Electronic Science and Technology of China,  
Chengdu 610054, China; 2. Southwest Institute of Elec-  
tronic Equipment of China (SWIEE), Chengdu 610054,  
China): *Broad-band tripler of W-band* (161)
- YANG Wan-Lin—See LIU Hua-Lin(205)
- YANG Xiang-Long—See HE Jin-Cheng(317)
- YANG Xiao-Hui JIN Hai-Yan JIAO Li-Cheng (Insti-  
tute of Intelligent Information Processing, Xidian Univer-  
sity, Xi'an 710071, China): *Adaptive image fusion al-  
gorithm for infrared and visible light images based on  
DT-CWT* (419)
- YANG Zhao-Hua—See WU Lin(312)
- YANG Zi-Qiang—See YANG Tao(161)
- YAO Hong-Fei—See XU Rui-Min(222)

- YE Zheng-Hua**—See QUAN Zhi-Jue(92)
- YE Zhen-Hua**—See XU Xiang-Yan(164)
- YE Zhen-Hua**—See QIAO Hui(326)
- YANG Zeng-Ling**—See LI Qiong-Fei(414)
- YI Ke-Chu**—See LI Yu-Heng(178)
- YI Qiu-Xiang<sup>1</sup> HUANG Jing-Feng<sup>1</sup> WANG Xiu-Zhen<sup>2</sup>**  
(1. Institute of Agricultural Remote Sensing & Information Technology, Zhejiang University, Hangzhou 310029, China; 2. Institute of Zhejiang Meteorological, Hangzhou 310004, China): *Hyperspectral estimation models for crude fibre concentration of corn* (393)
- YI Xin-Jian**—See HUANG Ying(26)
- YIN Qiu KUANG Ding-Bo** (Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai 200083, China): *Views on chinese remote sensing development*(225)
- YIN Qiu**—See GONG Cai-Lan(447)
- YIN Shi-Min<sup>1,2</sup> XIANGLI Bin<sup>1</sup> ZHOU Jin-Song<sup>1</sup> HUANG Min<sup>1</sup>** (1. Xi'an Institute of Optics & Precision Mechanics, The Academy of Sciences of China, Xi'an 710068, China; 2. First Field of Trial and Training Air Base of the Chinese People's Liberation Army, Jiu Quan 735018, China): *Real-time data processing of interferential imaging spectrometer based on FPGA* (274)
- YIN Xing-Hui**—See PENG Shu-Sheng(129)
- YU Meng-Xia**—See CHEN Chang-Ming(35)
- YU Sheng**—See NIU Xin-Jian(117)
- YUAN Bo YAN Hui-Min** (State Key Laboratory of Modern Optical Instrumentation, CNERC for Optical Instrument, Zhejiang University, Hangzhou 310027, China): *Thermal dynamics of bovine serum albumin (BSA) studied with infrared spectroscopy and evolving factor analysis* (265)
- YUAN Jian-We**—See ZHOU Bin-Bin(293)
- YUAN Ya-Jing**—See ZHANG Tian-Xu(409)
- YUE Ling-Na**—See CHEN Bei-Ran(366)
- YUE Xiao-Qiang**—See LI Qing-Li(77)
- ZENG Zhe-Zhao<sup>1,2</sup> ZHU Wei<sup>2</sup> WANG Yao-Nan<sup>1</sup>** (1. College of Electrical and Information Engineering, Hunan University, Changsha 410082, China; 2. College of Electrical and Information Engineering, Changsha University of Science and Technology, Changsha 410076, China): *Analysis approach of spectrum based on neural network algorithm* (141)
- ZHAN Xi-Chen**—See JIN Liang-An(133)
- ZHANG Chuan-Qing**—See WU Di(269)
- ZHANG De-Yin<sup>1,2</sup> HUANG Da-Gui<sup>1</sup> LI Jin-Hua<sup>3</sup> LI Kun<sup>3</sup> DAN Di-Di<sup>3</sup> DONG Zheng<sup>1</sup>** (1. Sch. of Mechatronics Eng., Univ. of Electronic Sci. and Technol., Chengdu 610054, China; 2. Aviation Eng. Inst., Civil Aviation Flight Univ., Guanghan 618307, China; 3. Functional Material Lab., Jiangsu Ploytechnic Univ., Changzhou 213016, China): *Preparation and dielectric properties of LiTaO<sub>3</sub> thin film on the ITO substrate* (170)
- ZHANG Fei**—See ZHU Hui(81)
- ZHANG Guang-Feng LI Xing-Guo LOU Guo-Wei** (Institute of Near-Sensing Technology with MMW and Optical Wave of Nanjing University of Science and Technology, Nanjing 210094, China): *Research on passive mmw imaging based on an alternating current radiometer*(461)
- ZHANG Guang-Feng**—See SHI Xiang(43)
- ZHANG Guang-Ming<sup>1,2</sup> SUN Sheng-Li<sup>3</sup> ZHANG Wei<sup>1</sup> PEI Yun-Tian<sup>3</sup> FAN Shi-Wei<sup>2</sup>** (1. Research Center of Space Optical Engineering, Harbin Institute of Technology, Harbin 150001, China; 2. Beijing Institute of Tracking and Telecommunication Technology, Beijing 100094, China; 3. Shanghai Institute of Technology and Physics, Chinese Academy of Science, Shanghai 200083, China): *model and application of image plane illumination for the space-based infrared detecting of boost-phase missile* (425)
- ZHANG Guang-Yin**—See ZHOU Bin-Bin(293)
- ZHANG Hao**—See ZHU Hui(81)
- ZHANG He-Ping**—See XIE Qi-Yuan(279)
- ZHANG Jun-Ju**—See SUN Lian-Jun(232)
- ZHANG Jun**—See FAN Zhi-Gang(396)
- ZHANG Li** (Department of Mechanics and Electronic, Panyu Polytechnic, Panyu 511483, China): *Second-harmonic generation susceptibilities of a nitride coupling quantum well: effects of piezoelectricity and spontaneous polarization* (251)
- ZHANG Ming-Jun SUN Chang-Zheng CAI Peng-Fei XIONG Bing LUO Yi** (State Key Laboratory of Integrated Optoelectronics, Department of Electronic Engineering, Tsinghua University, Beijing 100084, China): *Study on matching resistor for 40Gb/s high-speed submounts* (344)
- ZHANG Peng**—See RONG Zhi-Guo(97)
- ZHANG Qi LIN Ru-Jian XIU Ming-Lei** (School of Communication and Information Engineering, Shanghai University, Shanghai 200072, China): *Model of 60GHz millimeter wave with four variables* (30)

- ZHANG Qiang GUO Bao-Long** (ICIE Institute, School of Electromechanical Engineering, Xidian University, Xi'an 710071, China): *Fusion of infrared and visible light images based on nonsubsampling contourlet transform*(476)
- ZHANG Tang-Tang**—See MENG Xian-Hong(107)
- ZHANG Tian-Xu**—See SANG Nong(47)
- ZHANG Tian-Xu SHI Chang-Cheng LI Jie-Jun LIU Hui-Na YUAN Ya-Jing ZHOU Yang** (National Laboratory for Multi-spectral Information Processing Technologies, Institute for Pattern Recognition and Artificial Intelligence, Huazhong University of Science and Technology, Wuhan 43007, China): *Overview of research on the adaptive algorithms for nonuniformity correction of infrared focal plane array*(409)
- ZHANG Wei**—See ZHANG Guang-Ming(425)
- ZHANG Xiao-Dong**—See LIN Tie(329)
- ZHANG Xu-Chun<sup>1</sup> XIE Jun-Wei<sup>1</sup> WANG Ji-Qin<sup>2</sup>** (1. Missile Institute, AFEU., Sanyuan 713800, China; 2. Qualent Technology Company, LTD., Shenzhen 518053, China): *Design of novel microstrip slotline transitions*(390)
- ZHANG Yan**—See RONG Zhi-Guo(97)
- ZHANG Yan-Wu**—See HUANG Jing(102)
- ZHANG Ya-Ping**—See FAN Zhi-Gang(396)
- ZHANG Yong-Gang**—See LI Hua(1)
- ZHANG Yong-Ming**—See XIE Qi-Yuan(279)
- ZHANG Yue-Li**—See DU Feng-Juan(332)
- ZHANG Yu-Xiang**—See RONG Zhi-Guo(97)
- ZHANG Zhi-Liang**—See XU Zhi-Cheng(85)
- ZHANG Zhong-Xiang**—See LI Yan(137)
- ZHAO Kai**—See LUAN Hui(289)
- ZHAO Nai-Zhuo<sup>1</sup> ZHAO Yun-Sheng<sup>1</sup> YAN Lei<sup>2</sup> WU Tai-Xia<sup>2</sup> XIANG Yun<sup>2</sup>** (1. College of Urban and Environmental science, Northeast Normal University, Changchun 130024, China; 2. Beijing Key Lab of Spatial Information Integration and 3S Application, Peking University, Beijing 100871, China): *Study on comparison of bidirectional specular reflection component and bidirectional diffuse reflection component from granite surfaces*(284)
- ZHAO Nai-Zhuo**—See DU Jia(307)
- ZHAO Xia WANG Zheng-Ming** (Department of Mathematics and System Science, National University of Defense Technology, Changsha 410073, China): *Adaptive regularization variation method for SAR image feature-enhancement and speckle-removal*(112)
- ZHAO Yun-Sheng**—See DU Jia(307)
- ZHAO Yun-Sheng**—See ZHAO Nai-Zhuo(284)
- ZHENG Hou-Zhi**—See ZHU Hui(81)
- ZHENG Wan-Guo**—See CHEN Xi-Quan(473)
- ZHOU Bin-Bin CHEN Yun-Lin YUAN Jian-Wei CHEN Shao-Lin YAN Cai-Fan XU Jin-Jun ZHANG Guang-Yin** (The Key Laboratory of Weak Light Nonlinear Photonics, Ministry of Education, Nankai University, Tianjin 300071, China): *Quasi-phase-matched optical parametric oscillator and its optimal design*(293)
- ZHOU Guan-Hua**—See LIU Zhi-Gang(362)
- ZHOU Jin-Song**—See YIN Shi-Min(274)
- ZHOU Ri-Ping**—See TAN Ke-Long(349)
- ZHOU Wen-Hong**—See QIAO Hui(326)
- ZHOU Wen-Jun**—See LU Peng-Xian(69)
- ZHOU Yang**—See ZHANG Tian-Xu(409)
- ZHOU Yu-Gang**—See CHENG Zhi-Qun(241)
- ZHU Hui ZHENG Hou-Zhi LI Gui-Rong TAN Ping-Heng GAN Hua-Dong XU Ping ZHANG Fei ZHANG Hao XIAO Wen-Bo SUN Xiao-Ming** (State Key Laboratory for Superlattices and Microstructures, Institute of Semiconductors, Chinese Academy of Sciences, Beijing 100083, China): *Greatly enhanced resonant tunneling of photo-excited holes in a three-barrier resonant tunneling structure*(81)
- ZHU Ming<sup>1,2,3</sup> JIN Wei-Dong<sup>1</sup> PU Yun-Wei<sup>1,2</sup> HU Lai-Zhao<sup>2</sup>** (1. School of Information Science and Tech., Southwest Jiaotong Univ., Chengdu 610031, China; 2. National EW Lab., CETC No. 29 Research Institute, Chengdu 610036, China; 3. Chengdu Univ. of Information Technology, Chengdu 610225, China): *Feature extraction of radar emitter signals based on gaussian chirplet atoms*(302)
- ZHU Wei**—See ZENG Zhe-Zhao(141)
- ZHU Zhen-Ca**—See CHEN Hong-Yu(191)
- ZU Xiao-Tao**—See CHEN Xi-Quan(473)