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Terahertz and High Energy Radiation Detection Technologies and Applications

**X.-C. Zhang
James M. Ryan
Cun-lin Zhang
Chuan-xiang Tang**
Editors

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Contents

xi	Symposium Committee
xiii	Conference Committee
xv	Introduction
xvii	Cooperating Organizations

7385 02	Space-borne MeV Compton-Telescope background and the means to suppress it [7385-99] J. M. Ryan, P. F. Bloser, Univ. of New Hampshire (United States)
7385 03	The application and development of radiography technology based on x-ray [7285-128] H. Chen, Z. Xu, M. Li, CAEP (China)
7385 04	Applications of terahertz spectroscopy and imaging [7385-111] C. Zhang, Capital Normal Univ. (China); K. Mu, Beijing Institute of Technology (China) and Capital Normal Univ. (China)
7385 05	Optical properties of semiconductor nanostructures under intense terahertz radiation [7385-83] T.-Y. Zhang, W. Zhao, Xi'an Institute of Optics and Precision Mechanics (China)
7385 06	Industrial applications of THz systems [7385-500] S. Wietzke, C. Jansen, C. Jördens, N. Krumbholz, N. Vieweg, M. Scheller, M. K. Shakfa, D. Romeike, Technische Univ. Braunschweig (Germany) and Joint Optical Metrology Ctr. (Germany); T. Hochrein, Technische Univ. Braunschweig (Germany) and Suddeutsches Kunststoff-Zentrum (Germany); M. Mikulics, Research Ctr. Jülich (Germany); M. Koch, Philipps-Univ. Marburg (Germany)
7385 07	Characterization of doped ZnCdTe crystals as THz emitters [7385-84] X. Wang, Beijing Univ. of Civil Engineering and Architecture (China); Y. Shi, Capital Normal Univ. (China); Y. Yang, Minzu Univ. of China (China)
7385 08	Algorithm of image processing for remove the overlapping effect [7385-13] L. Sun, P. Yuan, Northeastern Univ. (China)
7385 09	Quantification technology study on flaws in steam-filled pipelines based on image processing [7385-14] L. Sun, P. Yuan, Northeastern Univ. (China)
7385 0A	Ultrafast carrier dynamics and terahertz conductivity of photoexcited GaAs under electric field [7385-53] Q. Zhou, Y. Shi, B. Jin, C. Zhang, Capital Normal Univ. (China); X. Wang, Beijing Univ. of Civil Engineering and Architecture (China)

- 7385 0B **Ultrafast high-field carrier transport in GaAs measured by femtosecond pump-terahertz probe spectroscopy** [7385-24]
Y. Shi, Q. Zhou, C. Zhang, B. Jin, Capital Normal Univ. (China)
- 7385 0C **Optimization of a space spectrograph main frame and frequency response analysis of the frame** [7385-112]
X. Zhang, National Astronomical Observatories (China) and Graduate Univ. of CAS (China); Z. Chen, S. Yang, National Astronomical Observatories (China)
- 7385 0D **Sheet-beam 0.1THz extended interaction oscillator** [7385-22]
Z. Wu, K. Zhang, Univ. of Electronic Science and Technology of China (China)
- 7385 0E **Pull-rod bent focusing mirror subassembly engineering analysis based on contact nonlinear analysis method** [7385-70]
Q. Lv, S. Xue, W. Zhu, Y. Fu, Shanghai Institute of Applied Physics (China)
- 7385 0F **The design and manufacturing of grazing incident KBA x-ray microscope** [7385-04]
L. Zhao, D. Sun, H. Ding, S. Liu, Ludong Univ. (China)
- 7385 0G **Estimates of impact of frequency source noise in THz moving objection detection system** [7385-37]
X. Xie, Y. Pi, Univ. of Electronic Science and Technology (China)
- 7385 0H **Radiometer uncertainty equation research of 2D planar scanning PMMW imaging system** [7385-59]
T. Hu, J. Xu, Z. Xiao, Nanjing Univ. of Science and Technology (China)
- 7385 0I **A further component analysis for illicit drugs mixtures with THz-TDS** [7385-27]
W. Xiong, J. Shen, R. Pan, T. He, Capital Normal Univ. (China)
- 7385 0J **Resolution enhancement of terahertz imaging by incremental Wiener filtering** [7385-34]
Z. Hong, W. Xiao, H. Chen, China Jiliang Univ. (China)
- 7385 0K **Highly birefringent elliptical-hole terahertz fiber with squeezed lattices** [7385-33]
H. Chen, China Jiliang Univ. (China) and Zhejiang Univ. (China); D. Chen, Z. Hong, China Jiliang Univ. (China)
- 7385 0L **Continuous-wave THz image denoising based on Markov random field and simulated annealing algorithm** [7385-97]
Q. Li, Q. Yin, R. Yao, Q. Wang, Harbin Institute of Technology (China)
- 7385 0M **Experimental study on identifying main component in rice bran oil with terahertz time-domain spectroscopy** [7385-43]
J. Li, X. Zhao, J. Li, China Jiliang Univ. (China)
- 7385 0N **Optical parameter determination of seed oil with terahertz time-domain spectroscopy** [7385-40]
J. Li, Tianjin Univ. (China) and China Jiliang Univ. (China); X. Zhao, China Jiliang Univ. (China); D. Xu, Tianjin Univ. (China)

- 7385 0O **Study on the THz spectra of metallic ion in soil** [7385-41]
J. Li, X. Zhao, J. Li, China Jiliang Univ. (China)
- 7385 0P **Investigation on 2.45-THz array transmission imaging** [7385-19]
R. Yao, Q. Li, S. Ding, Q. Wang, Harbin Institute of Technology (China)
- 7385 0Q **Optical property and spectroscopy studies on β -ZnS nanoparticles in the terahertz range** [7385-25]
Y. Yang, Minzu Univ. of China (China); X. Wang, Beijing Univ. of Civil Engineering and Architecture (China); B. Zou, S. Feng, X. Chen, W. Wang, Minzu Univ. of China (China)
- 7385 0R **CW THz scanning transmission imaging for concealed object detection** [7385-26]
Q. Li, R. Yao, Q. Yin, S. Ding, Q. Wang, Harbin Institute of Technology (China)
- 7385 0S **Algorithm for reconstruction of terahertz pulse field from electro-optic measurement without phase matching** [7385-29]
L.-G. Zhu, China Academy of Engineering Physics (China) and Tsinghua Univ. (China); Z.-R. Li, China Academy of Engineering Physics (China); Y.-K. Pu, Tsinghua Univ. (China)
- 7385 0T **Non-destructive characterization and selection of x/y-ray detector-grade CdZnTe crystals** [7385-35]
Y. Xu, Northwestern Polytechnical Univ. (China) and Univ. of Surrey (United Kingdom); W. Jie, X. Bai, T. Wang, L. Fu, G. Zha, Northwestern Polytechnical Univ. (China); P. Sellin, Univ. of Surrey (United Kingdom)
- 7385 0U **The electrical properties and defect levels of Al doped CdZnTe crystal for detector applications** [7385-56]
R. Nan, W. Jie, G. Zha, W. Liu, Y. Xu, L. Fu, T. Wang, Northwestern Polytechnical Univ. (China)
- 7385 0V **Terahertz multi-wavelength imaging for nondestructive detection** [7385-106]
L. Zhang, H. Zhong, C. Deng, C. Zhang, Capital Normal Univ. (China)
- 7385 0W **Powerful conveyer belt real-time online detection system based on x-ray** [7385-67]
F. Rong, C. Miao, Tianjin Polytechnic Univ. (China); W. Meng, Tianjin Information Ctr. (China)
- 7385 0X **The use of x-ray pulsar-based navigation method for interplanetary flight** [7385-62]
B. Yang, X. Guo, Y. Yang, Beihang Univ. (China)
- 7385 0Y **Design and experimental studies of foilless diode for high power terahertz wave generation** [7385-49]
G. Wang, Tsinghua Univ. (China); X. Li, Northwest Institute of Nuclear Technology (China); J. Wang, Northwest Institute of Nuclear Technology (China) and Xi'an Jiaotong Univ. (China); X. Wang, C. Tong, Northwest Institute of Nuclear Technology (China)
- 7385 0Z **Surface plasmons based transmission enhancement of terahertz through metal aperture arrays** [7385-69]
D. Hu, Y. Zhang, Capital Normal Univ. (China)

- 7385 10 **Particle simulation on high power terahertz wave generated by backward wave oscillator** [7385-60]
C. Tong, X. Li, Northwest Institute of Nuclear Technology (China); J. Wang, Northwest Institute of Nuclear Technology (China) and Xi'an Jiaotong Univ. (China); X. Wang, Northwest Institute of Nuclear Technology (China); G. Wang, Tsinghua Univ. (China)
- 7385 11 **Potential tunable plasma photonic crystal for terahertz electromagnetic waves control** [7385-28]
W. Fan, L. Dong, X. Zhang, Hebei Univ. (China)
- 7385 12 **Fabrication and characterization of ZnO-based UV photodetectors** [7385-31]
J. Huang, L. Wang, R. Xu, K. Tang, W. Shi, Y. Xia, Shanghai Univ. (China)
- 7385 13 **The detection and identification of selected lube base oil using terahertz time-domain spectroscopy** [7385-81]
T. Lu, China Univ. of Petroleum (China); Q. Zhou, B. Jin, Capital Normal Univ. (China); K. Zhao, S. Zhao, China Univ. of Petroleum (China); C. Zhang, Capital Normal Univ. (China)
- 7385 14 **The improved scintillation crystal lead tungstate scintillation for PET** [7385-75]
Y. Wan, Yunnan Normal Univ. (China) and Jiaying Univ. (China); R. WU, Yunnan Normal Univ. (China); L. Xiao, Jiaying Univ. (China); J. Zhang, Yunnan Normal Univ. (China); P. Yang, Jiaying Univ. (China); H. Yan, Zhejiang Univ. (China)
- 7385 15 **Design and analysis of pseudo-Bessel beam shapers at THz** [7385-20]
Y. Yu, Q. Hong, M. Chen, Quanzhou Normal Univ. (China)
- 7385 16 **Investigation on the waveguide properties of terahertz wave propagation along conical metal wire** [7385-16]
X.-Y. He, X.-N. Fu, H.-W. Zhang, Henan Univ. of Technology (China)
- 7385 17 **Band-gap of two-dimensional photonic crystals of square lattice at terahertz frequencies** [7385-73]
J. Bai, G. Zhao, Capital Normal Univ. (China)
- 7385 18 **Quasi-optical 225GHz polarization converter** [7385-02]
J. Chen, X. Wang, L. Fang, Beijing Institute of Technology (China)
- 7385 19 **A new non-uniformity response correction method of x-ray real time imaging system** [7385-09]
M. Yang, Beijing Univ. of Aeronautics and Astronautics (China); H. Chen, China Academy of Engineering Physics (China); J. Li, Beijing Univ. of Aeronautics and Astronautics (China); Y. Wang, C. Zhang, China Academy of Engineering Physics (China)
- 7385 1A **CW terahertz source techniques for space systems** [7385-77]
S.-W. Dong, Z.-B. Zhu, Y. Wang, China Academy of Space Technology (China)
- 7385 1B **Design and simulation of a 650GHz 6x6 lens antenna array** [7385-48]
D. Liu, Purple Mountain Observatory (China) and Graduate School of CAS (China); W. Miao, S. C. Shi, Purple Mountain Observatory (China)

- 7385 1C **Monte Carlo simulation of the energy spectrum for CdZnTe Frisch grid detector** [7385-76]
Z. Xu, L. Wang, J. Min, J. Teng, K. Qin, D. Hu, J. Zhang, J. Huang, Y. Xia, Shanghai Univ. (China)
- 7385 1D **A Fourier transform spectrometer for site testing at Dome A** [7385-47]
X.-X. Li, Purple Mountain Observatory (China) and Graduate School of CAS (China); S. Paine, Smithsonian Astrophysical Observatory (United States); Q.-J. Yao, S.-C. Shi, Purple Mountain Observatory (China); H. Matsuo, National Astronomical Observatory of Japan (Japan); J. Yang, Purple Mountain Observatory (China); Q.-Z. Zhang, Smithsonian Astrophysical Observatory (United States)
- 7385 1E **Measurement of mixtures of melamine using THz ray** [7385-57]
Y. Cui, Capital Normal Univ. (China); K. Mu, Beijing Institute of Technology (China); X. Wang, Harbin Institute of Technology (China); Y. Zhang, C. Zhang, Capital Normal Univ. (China)
- 7385 1F **Measuring method for refractive index of metal with terahertz time domain reflection spectroscopy** [7385-64]
W. Sun, Capital Normal Univ. (China); X. Wang, Harbin Institute of Technology (China); Y. Zhang, C. Zhang, Capital Normal Univ. (China)
- 7385 1G **Investigation on the two-step passivation process for CdZnTe detectors** [7385-63]
D. Hu, L. Wang, J. Min, Y. Lu, J. Teng, K. Qin, J. Zhang, J. Huang, Y. Xia, Shanghai Univ. (China)
- 7385 1H **Detection model modeling and application for batch scans of cone-beam computed tomography** [7385-10]
K. Huang, D. Zhang, M. Li, K. Wang, Northwestern Polytechnical Univ. (China)
- 7385 1I **Construction of a two-dimensional thermal neutron detector** [7385-46]
X. Wang, Y. Chen, H. Sheng, Y. Zhao, H. Zhang, Q. Zhu, R. Liu, J. Zhang, Institute of High Energy Physics (China); P. Xu, Zhengzhou Univ. (China)
- 7385 1J **Research on THz CT system and image reconstruction algorithm** [7385-61]
M. Li, China Univ. of Mining & Technology (China) and Shijiazhuang Univ. of Economics (China); C. Wang, H. Cheng, China Univ. of Mining & Technology (China)
- 7385 1K **Terahertz energy confinement in finite-width parallel-plate waveguides** [7385-120]
H. Zhan, R. Mendis, D. M. Mittleman, Rice Univ. (United States)
- 7385 1L **Investigation of the strengths of vapor rotational absorption lines with different humidity by far infrared absorption spectra** [7385-52]
J. Ge, R. Wang, S. Hu, N. Dai, Shanghai Institute of Technical Physics (China); D. Li, H. Ma, G. Ma, Shanghai Univ. (China)
- 7385 1M **Study on terahertz generation from LiNbO₃ crystal with density function theory** [7385-116]
X. Zhang, L. Zhang, B. Cao, Y. Li, X. Zhang, W. Shi, Xi'an Univ. of Technology (China)
- 7385 1N **Design and test results of a readout circuit for high energy particle detectors** [7385-118]
M. Zhang, Z. Chen, Y. Zhang, W. Lu, H. An, L. Ji, Peking Univ. (China)
- 7385 1O **THz leaky-wave antenna with high-directivity and beam-steering using CPW CRLH meta-material resonators** [7385-30]
L.-M. Si, H.-J. Sun, X. Lv, Beijing Institute of Technology (China)

- 7385 1P **Terahertz generation from SI-GaAs photoconductive dipole antenna with different electrode gaps** [7385-51]
W. Shi, Z. Zhang, L. Hou, Z. Liu, Xi'an Univ. of Technology (China)
- 7385 1Q **The research of package for CdZnTe detector based on the capacitive Frisch grid structure** [7385-108]
K. Qin, L. Wang, J. Min, J. Teng, Z. Shi, C. Zhou, J. Zhang, J. Huang, Y. Xia, Shanghai Univ. (China)
- 7385 1R **Effects of EL2 deep level in GaAs photoconductive switch** [7385-50]
W. Shi, R. Liu, J. Wang, Xi'an Univ. of Technology (China)
- 7385 1S **Preparation and characterization of polycrystalline iodized mercury thick films for detector array** [7385-119]
J. Yu, W. Shi, D. Li, J. Qin, L. Wang, W. Zheng, T. Xiong, Y. Xia, Shanghai Univ. (China)
- 7385 1T **Studies on the fabrication method for the array of polycrystalline mercuric iodide detectors** [7385-114]
W. Zheng, W. Shi, D. Li, J. Qin, L. Wang, J. Huang, J. Yu, Y. Xia, Shanghai Univ. (China)
- 7385 1U **Characteristic research of photoconductive antenna for broadband THz generation** [7385-87]
B. Xue, W. Fan, J. Yang, H. Liu, T. Zhang, Xi'an Institute of Optics and Precision Mechanics (China)
- 7385 1V **Design of 0.5 THz 2D square lattice EBG waveguide transmission line and power-divider using MEMS technology** [7385-78]
Y. Liu, Y. Yuan, X. Lv, L.-M. Si, Beijing Institute of Technology (China)
- 7385 1W **Moving objects detection using vehicular radar of cleaning-snow vehicle** [7385-17]
C. Lü, K. Cai, N. Wang, Communication Univ. of China (China)
- 7385 1X **Simulation analysis of the antenna structure for terahertz generation** [7385-95]
J. Yang, W. Fan, B. Xue, Xi'an Institute of Optics and Precision Mechanics (China)
- 7385 1Y **The research of a stepped frequency THz imaging radar** [7385-124]
W. Hu, L. Zhu, H. Sun, Beijing Institute of Technology (China); C. Zhang, Capital Normal Univ. (China)
- 7385 1Z **Nonlinear intersubband optical absorption of asymmetric semiconductor quantum wells pumped by terahertz and infrared fields** [7385-89]
H.-Y. Zhu, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate School of the CAS (China); T.-Y. Zhang, W. Zhao, Xi'an Institute of Optics and Precision Mechanics (China)
- 7385 20 **THz spectra of cortisone and the related medicine** [7385-103]
S. Ma, M. Ge, G. Liu, X. Song, P. Zhang, W. Wang, Shanghai Institute of Applied Physics (China)

- 7385 21 **Research of an infrared pyroelectric sensor based THz detector and its application in CW THz imaging** [7385-15]
J. Yang, X. Gong, Y. Zhang, L. Jin, Shenzhen Institute of Advanced Technology (China)
- 7385 22 **The use dielectric-coated metal hollow fiber for terahertz wave metal underground sensors** [7385-96]
K. Wang, Q. Wang, Harbin Institute of Technology (China); Y. Wang, China Jiliang Univ. (China); S. Zhang, Harbin Engineering Univ. (China)
- 7385 23 **System simulation of a 0.2THz imaging radar** [7385-107]
L. Zhu, Beijing Institute of Technology (China); C. Deng, Capital Normal Univ. (China); C. Zhang, Beijing Institute of Technology (China) and Capital Normal Univ. (China); Y. Zhao, Beijing Institute of Technology (China)
- 7385 24 **Design of supermirrors for hard x-ray telescopes** [7385-100]
F. Wang, J. Zhu, F. Wang, M. Tan, L. Jiang, Z. Zhang, J. Xu, X. Wang, L. Chen, Z. Wang, Tongji Univ. (China)
- 7385 25 **High-speed photon-counting x-ray computed tomography system utilizing a multipixel photon counter** [7385-98]
E. Sato, Iwate Medical Univ. (Japan); T. Enomoto, M. Watanabe, Tohu Univ. School of Medicine (Japan); K. Hitomi, Tohoku Institute of Technology (China); K. Takahashi, S. Sato, A. Ogawa, Iwate Medical Univ. (Japan); J. Onagawa, Tohoku Gakuin Univ. (Japan)
- 7385 26 **Solid-state laser system for terahertz radiation generation** [7385-86]
Y. Huo, C. Wei, Y. Lu, S. He, Tsinghua Univ. (China)
- 7385 27 **Spectroscopy of several drugs in the terahertz region** [7385-18]
G. Liu, Shanghai Institute of Applied Physics (China) and Graduate Univ. of CAS (China); S. Ma, Shanghai Institute of Applied Physics (China); X. Song, P. Zhang, H. Li, Shanghai Institute of Applied Physics (China) and Graduate Univ. of CAS (China); W. Wang, Shanghai Institute of Applied Physics (China)
- 7385 28 **Design of dual energy x-ray detector for conveyor belt with steel wire ropes** [7385-54]
Y. Dai, C. Miao, F. Rong, Tianjin Polytechnic Univ. (China)
- 7385 29 **Novel 0.9 THz integrated horn antenna based on MEMS technology** [7385-90]
Y. Yuan, Y. Liu, X. Lv, Beijing Institute of Technology (China)
- 7385 2A **Terahertz spectroscopy of sub-wavelength size metallic particles** [7385-110]
Z. Zhang, Capital Normal Univ. (China); Y. Yang, Z. Liu, Minzu Univ. (China); Y. Zhang, C. Zhang, Capital Normal Univ. (China)
- 7385 2B **A novel single-poly floating-gate UV sensor using standard CMOS process** [7385-125]
G. Li, Y. Li, P. Feng, N. Wu, Institute of Semiconductors (China)
- 7385 2C **The application of high-speed photo-detector for calibrating oscilloscope** [7385-105]
P. Gong, C. Yang, H. Ma, M. Deng, Beijing Institute of Radio Metrology and Measurement (China)

- 7385 2D **Laser Compton scattering experiments and the latest developments in construction of experimental facilities at SINAP** [7385-72]
W. Luo, Shanghai Institute of Applied Physics (China) and Graduate School of the CAS (China); W. Xu, Shanghai Institute of Applied Physics (China) and Univ. of Science and Technology of China (China); Q. Y. Pan, Shanghai Institute of Applied Physics (China); G. T. Fan, G. W. Fan, Y. J. Li, Shanghai Institute of Applied Physics (China) and Graduate School of the CAS (China); G. Q. Lin, B. J. Xu, Shanghai Institute of Applied Physics (China); Y. Xu, Shanghai Institute of Applied Physics (China) and Graduate School of the CAS (China); Z. Yan, Shanghai Institute of Applied Physics (China); L. F. Yang, Shanghai Institute of Applied Physics (China) and Graduate School of the CAS (China)
- 7385 2E **A high pixel and fast THz imaging system** [7385-104]
R. Yao, S. Ding, Q. Li, Q. Wang, Harbin Institute of Technology (China)

Author Index

Symposium Committee

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Introduction

We have the great honor of organizing the 3rd International Symposium on Photoelectronic Detection and Imaging (ISPDl) in Beijing, following the 1st and 2nd ISPDl held successfully in Beijing in 1993 and 2007. It is truly a great pleasure for us to greet more than 1,000 participants from many different countries attending ISPDl 2009! I firmly believe that the symposium will become an important international event in the field of photoelectronic detection and imaging technology.

ISPDl 2009 is sponsored by the Photoelectronic Technology Professional Committee and the Chinese Society of Astronautics, and is organized by Tianjin Jinhang Institute of Technical Physics. There are also 25 cooperating organizations that support the meeting. About 700 papers were accepted for presentation and 1,300 abstracts were submitted from more than 10 countries, including the United States, United Kingdom, Germany, France, Norway, Sweden, Denmark, Canada, Japan, Republic of Korea, Russian Federation, China, and so on. We have over 90 internationally renowned scientists and experts who were invited to speak.

The purpose of ISPDl 2009 is to provide a forum for the participants to report and review the ideas, up-to-date comprehensive progress, and developments, and to discuss novel approaches to application areas in the field of photoelectronic detection and imaging. It is sincerely hoped that the research and development in photoelectronic detection and imaging will flourish, and that international cooperation of our common interests will be enhanced.

I would like to heartily thank our sponsors and cooperative organizations for all they have done for the meeting. Thanks also to all the authors for their contributions to these proceedings, to all of the participants and friends for their interest and efforts in helping to make the symposium possible; to the organizing committee and the program committee for their effective work and valuable advice, especially the ISPDl 2009 Secretariat, and to the SPIE staff for their tireless effort and outstanding service in preparing and publishing the conference proceedings.

Again, we extend our warmest greetings to you and hope you have a rewarding and exciting stay during ISPDl 2009!

Liwei Zhou

Cooperating Organizations of ISPD 2009

Shanghai Institute of Optics and Fine Mechanics, CAS (China)
Xi'an Institute of Optics and Precision Mechanics, CAS (China)
Shanghai Institute of Technical Physics, CAS (China)
Xi'an Institute of Applied Optics (China)
Beijing Institute of Automatic Control Equipment (China)
Electro-Optical Equipment Research Institute of AVIC (China)
Beijing Institute of Space Mechanics and Electricity (China)
The 44th Institute of China Electronic Technology Group Corporation (China)
Beijing Huahang Radio Measurement and Research Institute (China)
State Key Laboratory of Transient Optics and Photonics (China)
Key Laboratory for Low Light Level Technology, COSTIND (China)
Key Laboratory of Control System Simulation, Beijing Simulation Center (China)
State Key Laboratory of Transducer Technology (China)
National Key Laboratory of Microsystem Technology (China)
Tsinghua University (China)
Beijing Institute of Technology (China)
Beijing University of Aeronautics and Astronautics (China)
Harbin Institute of Technology (China)
Huazhong University of Science and Technology (China)
Tongji University (China)
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