

导师信息采集表

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|---|-----|----|--------------------|------|----|
| 姓名 | 彭晓昱 | 性别 | 男 | 最高学位 | 博士 |
| 博导/硕导 | 博导 | 邮箱 | xypeng@cigit.ac.cn | | |
| <p>个人简介 (限 300 字) :</p> <p>彭晓昱, 男, 研究员, 博士生导师。1998 年毕业于首都师范大学物理系并获得硕士学位; 2005 年毕业于中科院物理研究所并获得博士学位, 主要研究激光等离子体相互作用、电子加速和质子加速, 曾获 2004 年度“蔡诗东等离子体物理奖”, 毕业后在中国矿业大学(北京)担任讲师; 2008 年 12 月-2014 年 6 月于新加坡科技研究局(A*STAR)材料研究与工程研究院(IMRE) 任研究员, 主要研究方向为太赫兹辐射源、太赫兹探测技术、太赫兹超材料等; 2014 年 7 月回国任中科院重庆绿色智能技术研究院太赫兹技术研究中心研究员, 开始筹建强场太赫兹辐射源实验室, 2018 年 4 月起任该研究中心主任。发表包括 Appl.Phys.Lett., Phys.Rev.E, Phys.Rev.Lett., J. Appl. Phys., Opt. Express, J. Appl. Phys. D 等各类论文 40 多篇, 授权专利 4 项。为 Appl. Phys. Lett., Opt. Lett., Sci. Rep.和《中国科学》等国内外期刊的审稿人。</p> | | | | | |
| <p>教育经历:</p> <p>2001-09--2005-03 中国科学院物理研究所 博士</p> <p>1995-09--1998-07 首都师范大学物理系 硕士</p> | | | | | |
| <p>主要研究方向:</p> <ol style="list-style-type: none"> 1、强场太赫兹辐射源的产生和探测 2、强场太赫兹波与物质的相互作用及其新现象、新物理、新机制、新技术和新应用 3、强场太赫兹波生物医学应用 4、太赫兹波功能材料及器件 5、太赫兹光谱与成像 | | | | | |
| <p>招生专业: 光学工程</p> | | | | | |
| <p>科研成果 (含文章、专利、科研项目等):</p> <ol style="list-style-type: none"> 1、发表文章 (1) ZHANG D.-Y, PENG X.-Y*, LUO C.-H et al., "Single-shot THz Time Domain Spectroscopy", Spectrosc. Spect. Anal. 39, 1377 (2019). (2) Miao Yu, Shihan Yan*, Yong-qiang Sun, Wang Sheng, Fu Tang, Xiao-yu Peng*, and Yuan Hu," Characterization of Nucleobases in Broadband Terahertz Spectra from 0.5 to 10 THz with the Air-Biased-Coherent-Detection Technique", Sensors 19, 1148 (2019). (3) Changcheng Shi, Yuting Ma, Jin Zhang, Dongshan Wei, Huabin Wang, Xiaoyu Peng, Mingjie Tang, Shihan Yan, Guokun Zuo, Chunlei Du, and Hongliang Cui, "Terahertz time-domain spectroscopy of chondroitin sulfate", Biomed. Opt. Express 9, 1350 (2018). (4) H.-W. Du, J.-M. Dong, Y. Liu, C.-C. Shi, J.-W. Wu, and X.-Y. Peng*, "A coherent detection technique via optically biased field for broadband terahertz radiation", Rev. Sci. Instrum. 88, 093104 (2017). (5) B. Lu, H. Wang, J. Shen, J. Yang, H. Mao, L. Xia, W. Zhang, G. Wang*, X.-Y. Peng*, and D. Wang*, "A high extinction ratio THz polarizer fabricated by double-bilayer wire grid structure," AIP Adv. 6, 025215 (2016). | | | | | |

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2、专利

- (1) 彭晓昱、董家蒙、杜海伟、刘毅, "一种超宽频谱的太赫兹波时域光谱相干探测方法及装置", ZL 201610806506.0.
- (2) 王德强, 卢斌, 申钧, 彭晓昱等, "一种基于双层金属线栅结构的太赫兹偏振片", ZL 201510646141.5.
- (3) 张杰, 陈正林, 彭晓昱, 刘运全, "掠入射软X射线和极紫外线平场谱仪", ZL 02158765.5.
- (4) 张杰, 陈正林, 彭晓昱, "超环面镜调节装置", ZL 0246155.8.

3、科研项目

现正在主持国家重点基础研究发展计划(973计划)课题1项、国家重点研发项目子课题1项,曾主持国家自然科学基金面上项目1项、重庆市基础研究重点项目1项,曾参加国家自然科学基金重大项目和重点项目、德国自然科学基金项目重大项目、新加坡科技研究局项目等国内外多个科研项目。

所获荣誉：

- (1) 获2003年度物理所所长奖学金表彰奖
- (2) 2004年度蔡诗东等离子体物理奖

个人承诺：本人承诺以上信息真实。如有不实之处，愿承担相应后果。

承诺人签名：