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- 知名学者
- 博士后
- 教师名录
- 人才招聘
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当前位置：首页 > 师资队伍 > 教师名录

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教育背景

时间	毕业院校	学历
1998—2001	广岛大学移动现象工学专业	博士
1986—1989	西安交通大学内燃机专业	硕士
1983—1986	西安交通大学内燃机专业	学士

工作经历

1986－1998 西安交通大学 助教、讲师
1993－1994 德国Karlsruhe大学 访问学者
2001－2006 日本广岛大学 文部教官助理教授
2003－2004 美国Colorado School of Mines（日本文部省选派） 访问教授
2006－2009 日本东京电机大学 讲师 能源工学研究室负责人
2009－ 上海交通大学 教授

研究方向

液体微粒化技术及雾化机理研究
化学反应动力学及燃烧过程数值模拟
气体燃料的基础燃烧理论研究
代用燃料的燃烧
燃油喷射技术
喷雾激光诊断技术
发动机燃烧过程可视化及激光诊断技术研究
车用、航空航天发动机燃烧系统技术开发
各种燃烧器的开发及其燃烧特性研究，包括柱状火炎燃烧器

科研项目

2002－2007 日本新能源与产业技术综合开发机项目“新一代燃烧器系统的开发”，主要研究者
2003－2005 日本学术振兴会项目，“超临界流体里的燃料喷雾混合气形成特性的研究”，负责人
2003－2004 日本文部科学省项目，“应用于燃烧合成的柱状火焰燃烧器的开发研究”，负责人

2004－2007　日本学术振兴会项目，“燃烧诱导的涡崩坏机理研究”， 主要研究者
2004－2008　日本新能源与产业技术综合开发机构项目，“新一代低公害车综合技术开发”， 主要研究者
2006－2009　日本学术振兴会项目，“多组分燃料喷雾中的汽液两相浓度场的新测量方法的开发”，负责人
2007－2009　东京电机大学综合研究所项目，“应用于灵活燃料发动机的燃油喷射系统的开发研究”，负责人

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2. S. Moon, J. Gao, Y-Y. Zhang, K. Nishida, Y. Matsumoto, “Ignition and Combustion Characteristics of Wall-Impinging Sprays Injected by Group-Hole Nozzles for Direct-Injection Diesel Engines”, SAE International Journal of Engines, Vol. 117, No. 3, pp. 1205-1219 (2009).
3. Y-Y. Zhang, J. Wu, and S. Ishizuka, "Hydrogen addition effect on laminar burning velocity, flame temperature and flame stability of a planar and a curved CH4-H2-air premixed flame", International Journal of Hydrogen Energy, Vol. 34, No.1, pp. 519-527 (2009).
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63. 城野 寛，合田茂生，張玉銀，石塚悟，「渦輪による密閉容器内燃焼の高速化（第四報）」，第44回日本燃焼シンポジウム講演論文集，広島，2006年12月6日～8日.
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69. 神崎 淳，佐藤圭峰，山川正尚，西田恵哉，李 鉄，張玉銀，「直噴ガソリン機関用ホールノズルからの噴霧と混合気の特性」，第13回微粒化シンポジウム論文集，2004年12月21～22日
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