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教学方面，多年来为本科生、研究生主讲过“离散数学”、“组合数学”、“高等数学”、“高等代数”、“概率论与数理统计”、“抽象代数”、“算法设计与分析”、“编码学”、“密码学”、“数字签名技术”、“信息安全”等课程；参加编写《密码学教程》、《线性代数与解析几何》两本教材；参加中南大学和西北工业大学教改项目三项；获得西北工业大学优秀教学成果二等奖一项；获得陕西省第二届青年教师高等数学讲课比赛二等奖。

科研方面，目前主持天津市自然科学基金项目一项；参加完成国防预研基金项目一项；参加完成国家自然科学基金一项；参加完成湖南省自然科学基金两项；在国际、国内期刊及学术会议上发表论文七十余篇，SCI、EI收录论文二十余篇，应邀为多个国际学术期刊的论文审稿。

主要研究方向：（1）数字签名  
（2）身份认证与密钥共识  
（3）安全电子商务协议

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近几年以第一作者发表的主要论文：

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