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资源与生态环境研究所



姓名：齐涛
性别：男
职称：研究员
职务：
学历：
电话：
传真：
电子邮件：tqi@gia.cas.cn
所属部门：
通讯地址：

简 历：

齐涛，中国科学院赣江创新研究院博士生导师，现任中国科学院重大任务局副局长，中科院稀土研究院（筹）筹备组组长，湿法冶金清洁生产国家工程实验室主任。兼任中国有色金属学会理事，烟气多污染物控制技术与装备国家工程实验室常务理事，《过程工程学报》副主编，《计算机与应用化学》编委，钒钛资源综合利用产业技术创新战略联盟常务副理事长。国家杰出青年科学基金获得者。享受国务院政府津贴，山东省“泰山学者”获得者，863主题项目首席科学家。

近年主持和参加国家“863”、国家科技支撑、国家“973”、国家自然科学基金重点和面上、省部级重大和重点等项目累计20余项。发表学术论文230余篇，其中SCI收录148篇。申请发明专利100余项，其中国际发明专利3项，授权中国发明专利60余项。荣获2005年国家技术发明二等奖，1998年中科院科技进步一等奖，2003年中科院 - 拜耳启动基金奖，2018年获中国石油和化学工业联合会科技进步奖二等奖，2013年获中国科学院地合作奖先进个人，2016年评选为泰山产业领军人才。

从事两性金属资源清洁生产的基础与应用研究，以及清洁冶金过程平台技术建设，先后建成亚熔盐法铬盐清洁生产新工艺、熔盐法千吨级钛白清洁生产，万吨级碱法活化处理红土镍矿提取铬铝等一系列示范工程，并产生良好的经济效益。

研究方向：

长期从事金属矿产资源清洁生产与绿色化工新技术的基础与应用研究，在铬/铝/钛/钒等两性金属的高效化学转化、多金属清洁分离、介质再生循环、过程工程放大等方面进行了较系统研究。提出了碱熔盐矿物高效分解 - 介质再生循环 - 产品制备一体化的新技术体系，提出并成功研发了熔盐法钛白清洁生产、氧氯化锆清洁生产、钒钛磁铁矿综

合利用、红土镍矿综合利用等新技术，合作研发铬盐清洁生产集成技术，形成了多金属清洁冶金共性技术体系。与企业合作建成万吨级铬盐、千吨级钛白、万吨级红土镍矿提取铬铝等清洁生产示范工程，为解决我国多金属矿产资源高效清洁利用的重大难题开辟了一条新途径，形成了基础 - 应用 - 产业化特色鲜明的研究方向。

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专利

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获奖及荣誉:

- 2018荣获中国石油和化学工业联合会科技进步二等奖
2012年获得“杰青”称号
2012年获得中科院院地合作先进个人
2009年获得国务院特殊津贴
2008年荣获“泰山学者”称号
2005年国家技术发明奖二等奖
2002年中科院-拜耳启动基金奖
1998年荣获中科院科技进步一等奖



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京ICP备0500285号 京公网安备110402500047号
地址: 江西省赣州市赣县区科学院路1号
编辑部邮箱: ireweb@ire.ac.cn