

第一部分 年度报告编写提纲（限5000字以内）

# 人才培养工作和成效

## （一）人才培养工作

**油气地质与勘探国家级实验教学示范中心**（简称“中心”）围绕“立德树人”的教育宗旨，构建了基于“实验基本能力的培养”、“综合实验能力的训练”和“创新意识与科研能力的提高”多层次的实验教学体系。2021年，开展了如下实验及实践教学：

**1. 课程配套实验教学：**实验教学是油气地学人才培养重要的组成部分，中心下设32个专业教学实验室，面向4个学院、9个专业、3个年级，本年度共开设205个实验项目，学生实验人时数36498人时。

**2. 校内工程实训教学：**中心下设有校内工程训练基地，本年度为65个本科班近2000名学生开设了程序设计、课程设计、油气地质综合研究等工程实训课程，切实提高了学生的实践动手能力。

**3. 企业现场实践教学：**中心依托与胜利油田、东方物探公司等企业共建的10余个校企联合共建实践基地，开展了测井生产实习、地震勘探生产实习、油田地质实习等企业现场实践教学，涉及5个专业15个班级390人次。

**4. 创新创业与学科竞赛：**中心落实本科生“三进”计划，广泛开展各类大学生科技竞赛，建立起覆盖各专业、各年级的科技竞赛体系。连续14年举办大学生地质模型制作大赛，今年的大赛共吸引了全校11个教学院部的600余名学生报名参加，建立起覆盖各专业、各年级的双创竞赛体系，为学生参与科技活动搭建平台。

## （二）人才培养成效

中心围绕“立德树人”的教育宗旨，根植于学科建设，提升大学生实践创新能力，同时加强学生思想政治教育，人才培养质量得到全面提升。

**1. 一流学科建设成效显著**

地球科学学科ESI全球排名**较去年提升28位，**地质资源与地质工程2021软科排名**全国第2**。圆满完成一流学科首轮建设目标任务，在整体发展水平、可持续发展能力、成长提升程度等方面**全部被评价为第一档**，符合**“一流学科培优行动”**申报条件。制订完成地质资源与地质工程学科新一轮一流学科建设方案和一流培优行动的具体举措并获专家组一致通过。

**2. 学生创新创业竞赛创佳绩**

邀请专业教师讲授学科前沿知识、论文检索和撰写要点、学科竞赛备赛技巧等，提高学生的双创能力，本科生双创活动参与度达100%。中心学生获“创新杯”全国大学生地球物理知识竞赛特等奖、“东方杯”全国大学生勘探地球物理大赛一等奖，2名学生获得创新创业卓越之星一等奖学金。

**3. 毕业生实践创新能力得到用人单位好评**

学生就业情况是衡量人才培养情况的一项重要指标。2021年，中心共有449名毕业生，其中本科生233名，硕士生192名，博士生24名。中心上下戮力同心，迎难而上，毕业生就业工作最终实现双高目标，离校就业率达91.98%，其中硕士研究生就业率达97.98%，本科升学出国率达61.8%。

# 二、人才队伍建设

中心积极贯彻学校差异化招聘，实施团队招聘负责制，优化师资队伍结构,不断优化人才发展环境，教师质量不断提高。2021年中心引进教师2人、师资博士后4人；晋升教授三级4人、教授4人、副教授10人。在师资队伍建设方面，中心注重内涵发展、强化团队建设，着力提升师资队伍水平, 师资结构不断优化。新增全国高校黄大年式教师团队1个（公示）、国家优青1人、国家海外优青3人、中国科协青年人才托举工程1人、省杰青和省海外优青各1人；进入院士有效候选人名单2人，进入国家级青年人才会评4人；入选国家博新计划、山东省博新计划各1人，获中国博士后特别资助1人。

# 三、教学改革与科学研究

## （一）教学改革

中心致力教学改革，本年度山东省教改项目1项。“油田开发地质学”获得教育部课程思政示范项目，2门课程获批山东省课程思政示范课程； 3门课程获评省级一流课程建设，另有3门课程申报国家级一流课程未出结果，9门课程获批一流课程培育项目；教育部产学合作协同育人项目1项；校级教学成果奖特等奖2项，一等奖2项，二等奖3项，4项获推山东省教学成果奖；第二批课程思政标杆培育课程2项；1人获得全国教材建设先进个人，3个团队获得校级本科教学创新奖。

## （二）科学研究

聚焦国家能源战略需求，科研奖励再创佳绩，成果质量显著提升。获批国家自然基金34项，创中心历史新高，位居全校之首；获批青岛海洋科学与技术试点国家实验室“十四五”重大项目，经费2997万元；获国家科技进步二等奖1项（第二完成单位）、省部级一等奖4项、二等奖5项；深层油气国家重点实验室建设有序推进并入围教育部重点推荐序列，参与建设的海洋物探及勘探设备国家工程实验室纳入新序列国家工程研究中心；发表三大检索科研论文411篇，其中SCI收录211篇，高被引文章66篇；授权国家发明专利56项，国际发明专利2项，获批软件著作权33项。

# 四、信息化建设、开放运行和示范辐射

## （一）信息化资源、平台建设。

中心大力推进实践教学与信息化技术的融合，搭建云端学术交流新平台，增加学生国际交流新渠道。举办UPC测井新技术国际学术研讨会等7场国际学术会议或论坛，场均在线300余人，确保了师生日常学术交流，并为同行及相关行业学者和广大工程技术人员搭建了交流合作平台共同推动油气地学技术智能化发展意义重大，充分发挥了行业示范引领作用。同时，学校深入推进信息技术智能技术与实验教学融合，不断加强虚拟仿真资源和模拟实训平台建设，建设综合性虚拟仿真项目1项，涵盖勘查技术与工程专业6个知识点的内容。

## （二）开放运行、安全运行等情况。

根据学科特点，设立课内实验、选做实验和开放实验计划，实验室采用开放运行模式，学生可以通过提前预约的形式进行实验，除完成实验实践教学外，中心还积极开展开放性实验，本年度完成18项开放性实验，提高了资源的使用效率。为进一步加强实验室安全管理，强化师生安全意识，普及实验室安全知识，保障实验室安全有序的运行，中心举办了实验室安全知识培训讲座，邀请安全顾问担任主讲嘉宾，各实验室安全员和新入学的博士、硕士研究生参加。

## （三）对外交流合作、发挥示范引领等情况。

以“111引智基地”为牵引，加强国际合作交流平台建设，提升国际人才培养质量和学术影响力。联合申报**获批科技部中国-沙特石油能源“一带一路”联合实验室**，新增沙特三所合作高校，**与巴基斯坦帕夏汗大学签署MOU合作协议**，将合作对象由欧美**拓展至“一带一路”沿线国家。**

# 五、示范中心大事记

## （一）中心荣获全民科学素质工作先进集体荣誉称号。

12月7日，全民科学素质工作会议在北京召开。会议公布《中国科协关于表彰全民科学素质工作先进集体和先进个人的决定》，中心荣获全民科学素质工作先进集体荣誉称号，全国有四所高校获此荣誉。



全民科学素质工作先进集体奖牌

## （二）中心学生获得第十七届“挑战杯”山东省大学生课外学术科技作品竞赛特等奖

5月16日，第十七届“挑战杯”山东省大学生课外学术科技作品竞赛终审决赛通过线上方式举行，中心参赛项目“面向深部油气藏的高精度地震成像系统”斩获特等奖并晋级国赛。本届竞赛由共青团山东省委、山东省教育厅、山东省科学技术协会、山东省科学技术厅、山东社会科学院、山东省学生联合会共同主办，山东大学承办。

# 六、示范中心存在的主要问题

1.中心实验室实际开放情况较往年明显下降。针对目前实验室的建设步伐，下一步将保持实验室开放程度，逐渐恢复开放实验。

2. 中心虽然在运行和管理机制方面积累了一些经验和取得了一些成果，但随着时代的发展，需要对中心运行和管理机制进行不断的摸索、革新，并进一步完善和加强，以提高中心的运行和管理效率，更好的服务实验教学。

3. 中心目前存在大量老旧设备，多数超期服役，有些已很难保证正常教学，不得不实行分组教学，亟待更新换代。

# 七、所在学校与学校上级主管部门的支持

自中心成立以来，学校给予了高度的支持与重视，在经费投入上予以保证，政策上予以支持，同时进行有效地监督和管理，保证建设规划目标的高质量完成。

1. 学校将中心建设列入学校发展规划纲要，以中心建设作为引领实践教学改革、推动实践教学内涵发展的重要抓手，专门成立实验室管理处，到实验室实地调研，沟通实验室管理工作中存在的主要问题、管理瓶颈以及下一步的改进措施。

2. 学校2021年总投入经费194万元，加强实验教学中心条件建设，主要用于实验设备更新及实验项目完善等。实验室建设项目归口统筹管理，以基本需求和贡献为杠杆，加强实验室对“双一流”的支撑和保障成效。

**第二部分 示范中心数据**

**（**数据采集时间为 2021年1月1日至12月31日**）**

## 一、示范中心基本情况

|  |  |
| --- | --- |
| **示范中心名称** | 油气地质与勘探国家级实验教学示范中心 |
| **所在学校名称** | 中国石油大学（华东） |
| **主管部门名称** | 教育部 |
| **示范中心门户网址** | http://pgp.geori.upc.edu.cn/ |
| **示范中心详细地址** | 山东省青岛市黄岛区长江西路66号 | **邮政编码** | 266580 |
| **固定资产情况** | 现有设备5007台套，总值12160.0万元 |
| **建筑面积** | 3374.52㎡ | **设备总值** | 12160.0万元 | **设备台数** |  5007台 |
| **经费投入情况** |  194万 |
| **主管部门年度经费投入****（直属高校不填）** |   | **所在学校年度经费投入** |  194万 |

注：（1）表中所有名称都必须填写全称。（2）主管部门：所在学校的上级主管部门，可查询教育部发展规划司全国高等学校名单。

## 二、人才队伍基本情况

（一）本年度固定人员情况

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 姓名 | 英文名 | 性别 | 出生 年份 | 职称 | 职务 | 工作性质 | 学位 | 备注 | 获得 时间 |
| 1 | 操应长 | Cao Yingchang | 男 | 1969 | 正高级 | 主任　 | 教学 | 博士 | 新世纪优秀人才，国务院政府特殊津贴，百千万人才工程专家，博导 | 200307 |
| 2 | 吴智平 | Wu Zhiping | 男 | 1967 | 正高级 | 副主任 | 管理 | 博士 | 博导 | 200606 |
| 3 | 李振春 | Li Zhenchun | 男 | 1963 | 正高级 | 副主任 | 管理 | 博士 | 博导 | 200606 |
| 4 | 邱隆伟 | Qiu Longwei | 男 | 1967 | 正高级 | 副主任 | 管理 | 博士 | 博导 | 201006 |
| 5 | 张立强 | Zhang Liqiang | 男 | 1970 | 正高级 | 副主任 | 管理 | 博士 | 青岛高校教学名师，博导 | 201507 |
| 6 | 张 锋 | Zhang Feng | 男 | 1970 | 正高级 | 副主任 | 管理 | 博士 | 博导 | 201206 |
| 7 | 林承焰 | Lin Chengyan | 男 | 1963 | 正高级 | 　 | 教学 | 博士 | 国务院政府特殊津贴，博导 | 200006 |
| 8 | 郝 芳 | Hao Fang | 男 | 1964 | 正高级 | 　 | 教学 | 博士 | 院士，国务院政府特殊津贴，博导 | 201407 |
| 200007 |
| 199000 |
| 9 | 蒋有录 | Jiang Youlu | 男 | 1959 | 正高级 | 　 | 教学 | 博士 | 万人计划，国务院政府特殊津贴，博导 | 200206 |
| 10 | 黄建平 | Huang Jianping | 男 | 1982 | 正高级 | 　 | 教学 | 博士 | 泰山学者长江学者 优青 | 201807 |
| 201907 |
| 11 | 印兴耀 | Yin Xingyao | 男 | 1962 | 正高级 | 　 | 教学 | 博士 | 全国优秀教师，国务院政府特殊津贴，博导 | 200006 |
| 12 | 宗兆云 | Zong Zhaoyun | 男 | 1987 | 正高级 | 　 | 教学 | 博士 | 长江学者，博导　 | 201804 |
| 201707 |
| 13 | 符力耘 | Fu Liyun | 男 | 1964 | 正高级 | 　 | 教学 | 博士 | 博导 | 200007 |
| 14 | 王民 | Wang Min | 男 | 1981 | 正高级 | 　 | 教学 | 博士 | 国家优青，博导 | 201807 |
| 15 | 查明 | Zha Ming | 男 | 1958 | 正高级 | 　 | 教学 | 博士 | 国务院政府特殊津贴，博导 | 200006 |
| 16 | 周瑶琪 | Zhou Yaoqi | 男 | 1963 | 正高级 | 　 | 教学 | 博士 | 百千万人才工程专家，国务院政府特殊津贴，博导 | 199512 |
| 17 | 远光辉 | Yuan Guanghui | 男 | 1986 | 正高级 | 　 | 教学 | 博士 | 泰山学者 | 201906 |
| 18 | 梁超 | Liang Chao | 男 | 1986 | 正高级 | 　 | 教学 | 博士 | 泰山学者 | 201806 |
| 19 | 董春梅 | Dong Chunmei | 男 | 1963 | 正高级 | 　 | 教学 | 博士 | 青岛市优秀教师，博导 | 200806 |
| 20 | 卢双舫 | Lu Shuangfang | 男 | 1962 | 正高级 | 　 | 教学 | 博士 | 百千万人才工程专家，全国模范教师，国务院政府特殊津贴，博导 | 201212 |
| 21 | 范宜仁 | Fan Yiren | 男 | 1962 | 正高级 | 　 | 教学 | 博士 | 青岛拔尖人才，博导 | 200307 |
| 22 | 刘可禹 | Liu Keyu | 男 | 1962 | 正高级 | 　 | 教学 | 博士 | 博导 | 201512 |
| 23 | 唐晓明 | Tang Xiaoming | 男 | 1955 | 正高级 | 　 | 教学 | 博士 | 博导 | 201006 |
| 24 | 邓少贵 | Deng Shaogui | 男 | 1970 | 正高级 | 　 | 教学 | 博士 | 博导 | 201507 |
| 25 | 张广智 | Zhang Guangzhi | 男 | 1971 | 正高级 | 　 | 教学 | 博士 | 博导 | 201507 |
| 26 | 刘 华 | Liu Hua | 女 | 1977 | 正高级 | 　 | 教学 | 博士 | 博导 | 201807 |
| 27 | 陈世悦 | Chen Shiyue | 男 | 1963 | 正高级 | 　 | 教学 | 博士 | 博导　 | 200206 |
| 28 | 陈 勇 | Chen Yong | 男 | 1976 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201807 |
| 29 | 孙成禹 | Sun Chengyu | 男 | 1968 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201006 |
| 30 | 王冠民 | Wang Guanmin | 男 | 1969 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201807 |
| 31 | 张繁昌 | Zhang Fanchang | 男 | 1972 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201807 |
| 32 | 张军华 | Zhang Junhua | 男 | 1965 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201206 |
| 33 | 孙建孟 | Sun Jianmeng | 男 | 1964 | 正高级 | 　 | 教学 | 博士 | 博导　 | 200206 |
| 34 | 杨少春 | Yang Shaochun | 男 | 1962 | 正高级 | 　 | 教学 | 博士 | 博导　 | 200406 |
| 35 | 曹丹平 | Cao Danping | 男 | 1978 | 正高级 | 　 | 教学 | 博士 | 博导 | 201807 |
| 36 | 陈中红 | Chen Zhonghong | 男 | 1976 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201807 |
| 37 | 宋维琪 | Song Weiqi | 男 | 1963 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201507 |
| 38 | 吴国忱 | Wu Guochen | 男 | 1965 | 正高级 | 　 | 教学 | 博士 | 博导 | 200806 |
| 39 | 徐守余 | Xu Shouyu | 男 | 1968 | 正高级 | 　 | 教学 | 博士 | 博导　 | 200606 |
| 40 | 杜启振 | Du Qizhen | 男 | 1969 | 正高级 | 　 | 教学 | 博士 | 博导　 | 200606 |
| 41 | 吴孔友 | Wu Kongyou | 男 | 1971 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201507 |
| 42 | 韩同城 | Han Tongcheng | 男 | 1982 | 正高级 | 　 | 教学 | 博士 | 博导　 | 201712 |
| 43 | 徐尚 | Xu Shang　 | 男 | 1985 | 正高级 | 　 | 教学 | 博士 | 国家自然科学基金优秀青年科学基金获得者 | 202112 |
| 44 | 刘红伟 | Liu Hongwei | 男 | 1982 | 正高级 | 　 | 教学 | 博士 | 国家青年特聘专家 | 202012 |
| 45 | 沈奕 | Shen Yi | 女 | 1987 | 正高级 | 　 | 教学 | 博士 | 国家青年特聘专家 | 202112 |
| 46 | 孟庆峰 | Meng Qingfeng | 男 | 1987 | 正高级 | 　 | 教学 | 博士 | 博导 | 202101 |
| 47 | 裴仰文 | Pei Yangwen | 男 | 1986 | 正高级 | 　 | 教学 | 博士 | 博导 | 202009 |
| 48 | 王健 | Wang Jian | 男 | 1985 | 正高级 | 　 | 教学 | 博士 | 博导 | 202009 |
| 49 | 苏远大 | Su Yuanda | 男 | 1978 | 正高级 | 　 | 教学 | 博士 | 博导 | 201807 |
| 50 | 葛新民 | Ge Xinmin | 男 | 1985 | 正高级 | 　 | 教学 | 博士 | 博导 | 202009 |
| 51 | 张宪国 | Zhang Xianguo | 男 | 1982 | 正高级 | 　 | 教学 | 博士 | 博导 | 202009 |
| 52 | 葸克来 | Xi Kelai | 男 | 1988 | 正高级 | 　 | 教学 | 博士 | 博导 | 202009 |
| 53 | 宋建国 | Song Jianguo | 男 | 1971 | 副高级 | 　 | 教学 | 博士 | 博导 | 201909 |
| 54 | 杨继东 | Yang Jidong | 男 | 1990 | 正高级 | 　 | 教学 | 博士 | 博导 | 202009 |
| 55 | 杨升宇 | Yang Shengyu | 男 | 1987 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 56 | 邵才瑞 | Shao Cairui | 男 | 1966 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 57 | 杨剑萍 | Yang Jianping | 女 | 1965 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 58 | 薛海涛 | Xue Haitao | 男 | 1975 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 59 | 陈钢花 | Chen Ganghua | 女 | 1963 | 正高级 | 　 | 教学 | 硕士 | 　 | 　 |
| 60 | 张卫海 | Zhang Weihai | 男 | 1963 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 61 | 张世奇 | Zhang Shiqi | 男 | 1971 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 62 | 国景星 | Guo Jingxing | 男 | 1963 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 63 | 袁 静 | Yuan Jing | 女 | 1972 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 64 | 李 理 | Li Li | 女 | 1967 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 65 | 李吉君 | Li Jijun | 男 | 1981 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 66 | 王艳忠 | Wang Yanzhong | 男 | 1980 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 67 | 田金强 | Tian Jinqiang | 男 | 1980 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 68 | 李福来 | Li Fulai | 男 | 1979 | 正高级 | 　 | 教学 | 博士 | 　 | 　 |
| 69 | 胡书毅 | Hu Shuyi | 男 | 1966 | 副高级 | 　 | 教学 | 硕士 | 　 | 　 |
| 70 | 马玉新 | Ma Yuxin | 男 | 1963 | 副高级 | 　 | 教学 | 学士 | 　 | 　 |
| 71 | 沈一新 | Shen Yixin | 女 | 1966 | 副高级 | 　 | 教学 | 学士 | 　 | 　 |
| 72 | 孟祥梅 | Meng Xiangmei | 女 | 1970 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 73 | 任怀强 | Ren Huaiqiang | 男 | 1968 | 副高级 | 　 | 教学 | 学士 | 　 | 　 |
| 74 | 韩学辉 | Han Xuehui | 男 | 1974 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 75 | 李会银 | Li Huiyin | 男 | 1965 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 76 | 陈雪莲 | Chen Xuelian | 女 | 1976 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 77 | 曲江秀 | Qu Jiangxiu | 女 | 1974 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 78 | 徐凯军 | Xu Kaijun | 男 | 1979 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 79 | 杨国权 | Yang Guoquan | 男 | 1962 | 副高级 | 　 | 教学 | 硕士 | 　 | 　 |
| 80 | 尹兵祥 | Yin Bingxiang | 男 | 1970 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 81 | 张福明 | Zhang Fuming | 男 | 1968 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 82 | 李 伟 | Li Wei | 男 | 1978 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 83 | 李红南 | Li Hongnan | 女 | 1972 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 84 | 任丽华 | Ren Lihua | 女 | 1979 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 85 | 盛 辉 | Sheng Hui | 男 | 1972 | 副高级 | 　 | 教学 | 硕士 | 　 | 　 |
| 86 | 宋全友 | Song Quanyou | 男 | 1963 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 87 | 杨景林 | Yang Jinglin | 男 | 1965 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 88 | 边瑞雪 | Bian Ruixue | 女 | 1963 | 副高级 | 　 | 教学 | 硕士 | 　 | 　 |
| 89 | 程付启 | Cheng Fuqi | 男 | 1978 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 90 | 冯建伟 | Feng Jianwei | 男 | 1979 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 91 | 刘太勋 | Liu Taixun | 男 | 1977 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 92 | 陆诗阔 | Lu Shikuo | 男 | 1973 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 93 | 曲希玉 | Qu Xiyu | 男 | 1977 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 94 | 王保丽 | Wang Baoli | 女 | 1981 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 95 | 鄢继华 | Yan Jihua | 男 | 1977 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 96 | 杨俊生 | Yang Junsheng | 男 | 1972 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 97 | 张凯 | Zhang Kai | 男 | 1978 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 98 | 谭丽娟 | Tan Lijuan | 女 | 1968 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 99 | 刘长江 | Liu Changjiang | 男 | 1981 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 100 | 孟凡超 | Meng Fanchao | 男 | 1980 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 101 | 宋 璠 | Song Fan | 男 | 1982 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 102 | 宋 娟 | Song Juan | 女 | 1974 | 副高级 | 　 | 教学 | 硕士 | 　 | 　 |
| 103 | 谭宝海 | Tan Baohai | 男 | 1978 | 副高级 | 　 | 教学 | 硕士 | 　 | 　 |
| 104 | 张 敏 | Zhang Min | 女 | 1981 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 105 | 丁修建 | Ding Xiujian | 男 | 1986 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 106 | 刘寅 | Liu Yin | 男 | 1986 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 107 | 肖佃师 | Xiao Dianshi | 男 | 1981 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 108 | 王伟明 | Wang Weiming | 男 | 1981 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 109 | 李俊乾 | Li Junqian | 男 | 1987 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 110 | 李文浩 | Li Wenhao | 男 | 1985 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 111 | 黄文彪 | Huang Wenbiao | 男 | 1980 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 112 | 赵建华 | Zhao Jianhua | 男 | 1985 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 113 | 杨勇强 | Yang Yongqiang | 男 | 1982 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 114 | 程斌 | Cheng Bin | 男 | 1987 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 115 | 李志娜 | Li Zhina | 女 | 1986 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 116 | 王广伟 | Wang Guangwei | 男 | 1986 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 117 | 杨升宇 | Yang Shengyu | 男 | 1986 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 118 | 余宽宏 | Yu Kuanghong | 男 | 1983 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 119 | 张佳佳 | Zhang Jiajia | 男 | 1986 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 120 | 许启鲁 | Xu Qilu | 男 | 1989 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 121 | 纪文明 | Ji Wenming | 男 | 1988 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 122 | 李盛清 | Li Shengqing | 男 | 1989 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 123 | 刘建良 | Liu Jianliang | 男 | 1988 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 124 | 徐进军 | Xu Jinjun | 男 | 1987 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 125 | 李卿卿 | Li Qingqing | 男 | 1987 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 126 | 王奇 | Wang Qi | 男 | 1986 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 127 | 马存飞 | Ma Cunfei | 男 | 1987 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 128 | 冯子齐 | Feng Ziqi | 男 | 1988 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 129 | 陈方文 | Cheng Fangwen | 男 | 1984 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 130 | 唐明明 | Tang Mingming | 男 | 1987 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 131 | 王磊 | Wang Lei | 男 | 1993 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 132 | 于华伟 | Yu Huawei | 男 | 1982 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 133 | 庄春喜 | Zhuang Chunxi | 男 | 1984 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 134 | 张国印 | Zhang Guoyin | 男 | 1989 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 135 | 王淼 | Wang Miao | 男 | 1991 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 136 | 刘国恒 | Liu Guoheng | 男 | 1988 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 137 | 陈磊 | Chen Lei | 男 | 1988 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 138 | 严一鸣 | Yan Yiming | 男 | 1990 | 副高级 | 　 | 教学 | 博士 | 　 | 　 |
| 139 | 庄春喜 | Zhuang Chunxi | 男 | 1982 | 副高级 | 　 | 教学 | 硕士 | 　 | 　 |
| 140 | 于翠玲 | Yu Cuiling | 女 | 1979 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 141 | 杜庆军 | Du Qingjun | 男 | 1978 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 142 | 洪 梅 | Hong Mei | 女 | 1971 | 中级 | 　 | 教学 | 学士 | 　 | 　 |
| 143 | 林腊梅 | Lin Lamei | 女 | 1979 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 144 | 李宝刚 | Li Baogang | 男 | 1977 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 145 | 杨金秀 | Yang Jinxiu | 女 | 1984 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 146 | 闫伟超 | Yan Weichao | 男 | 1991 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 147 | 刘敬寿 | Liu Jiangshou | 男 | 1989 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 148 | 马鹏杰 | Ma Pengjie | 男 | 1989 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 149 | 王志伟 | Wang Zhiwei | 男 | 1991 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 150 | 麻伟娇 | Ma Weijiao | 女 | 1991 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 151 | 李进步 | Li Jinbu | 男 | 1989 | 中级 | 　 | 教学 | 博士 | 　 | 　 |
| 152 | 刘一鸣 | Liu Yiming | 男 | 1991 | 中级 | 　 | 博士后 | 博士 | 　 | 　 |
| 153 | 吴玉其 | Wu Yuqi | 男 | 1992 | 中级 | 　 | 博士后 | 博士 | 　 | 　 |
| 154 | 栾国强 | Luan Guoqiang | 男 | 1989 | 中级 | 　 | 博士后 | 博士 | 　 | 　 |
| 155 | 丛富云 | Cong Fuyun | 男 | 1992 | 中级 | 　 | 博士后 | 博士 | 　 | 　 |

注：（1）固定人员：指经过核定的属于示范中心编制的人员。（2）示范中心职务：示范中心主任、副主任。（3）工作性质：教学、技术、管理、其他。（4）学位：博士、硕士、学士、其他，一般以学位证书为准。（5）备注：是否院士、博士生导师、杰出青年基金获得者、长江学者等，获得时间。

（二）本年度兼职人员情况

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **姓名** | **性别** | **出生年份** | **职称** | **职务** | **工作****性质** | **学位** | **备注** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

注：（1）兼职人员：指在示范中心内承担教学、技术、管理工作的非中心编制人员。（2）工作性质：教学、技术、管理、其他。（3）学位：博士、硕士、学士、其他，一般以学位证书为准。（4）备注：是否院士、博士生导师、杰出青年基金获得者、长江学者等，获得时间。

（三）本年度流动人员情况

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **姓名** | **性别** | **出生年份** | **职称** | **国别** | **工作单位** | **类型** | **工作期限** |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| … |  |  |  |  |  |  |  |  |

注：（1）流动人员：指在中心进修学习、做访问学者、行业企业人员、海内外合作教学人员等。（2）工作期限：在示范中心工作的协议起止时间。

（四）本年度教学指导委员会人员情况

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **姓名** | **性别** | **出生****年份** | **职称** | **职务** | **国别** | **工作单位** | **类型** | **参会次数** |
| 1 | 夏庆霖 | 男 | 1968 | 教授 | 主任委员 | 中国 | 中国地质大学（武汉） | 外校专家 | 1 |
| 2 | 韩作振 | 男 | 1963 | 教授 | 委员 | 中国 | 山东科技大学 | 外校专家 | 1 |
| 3 | 王永诗 | 男 | 1964 | 教授级高工 | 委员 | 中国 | 胜利油田 | 企业专家 | 1 |
| 4 | 王延光 | 男 | 1963 | 教授级高工 | 委员 | 中国 | 胜利油田 | 企业专家 | 1 |
| 5 | 朱留芳 | 男 | 1964 | 教授级高工 | 委员 | 中国 | 胜利油田 | 企业专家 | 1 |
| 6 | 汤天知 | 男 | 1963 | 教授级高工 | 委员 | 中国 | 中油测井 | 企业专家 | 1 |
| 7 | 蒋有录 | 男 | 1957 | 教授 | 委员 | 中国 | 中国石油大学（华东） | 校内专家 | 1 |
| 8 | 印兴耀 | 男 | 1962 | 教授 | 委员 | 中国 | 中国石油大学（华东） | 校内专家 | 1 |
| 9 | 吴智平 | 男 | 1967 | 教授 | 秘书长 | 中国 | 中国石油大学（华东） | 校内专家 | 1 |

注：（1）教学指导委员会类型包括校内专家、外校专家、企业专家和外籍专

家。（2）职务：包括主任委员和委员两类。（3）参会次数：年度内参加教学指导委员会会议的次数。

## 三、人才培养情况

（一）示范中心实验教学面向所在学校专业及学生情况

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 面向的专业 | 学生人数 | 人时数 |
| 专业名称 | 年级 |
| 1 | 资源勘查工程 | 2017 | 97 | 1112 |
| 2 | 资源勘查工程 | 2018 | 380 | 11160 |
| 3 | 资源勘查工程 | 2019 | 129 | 4492 |
| 4 | 资源勘查工程 | 2020 | 224 | 9874 |
| 6 | 英语 | 2019 | 29 | 232 |
| 7 | 石油工程 | 2019 | 533 | 11880 |
| 8 | 全校公选 |  | 53 | 274 |
| 9 | 勘查技术与工程 | 2018 | 342 | 8588 |
| 10 | 勘查技术与工程 | 2019 | 160 | 3458 |
| 11 | 勘查技术与工程 | 2020 | 144 | 3852 |
| 12 | 海油 | 2018 | 49 | 196 |
| 13 | 海油 | 2019 | 43 | 172 |
| 14 | 地质学 | 2018 | 83 | 1900 |
| 15 | 地质学 | 2019 | 92 | 3422 |
| 16 | 地质学 | 2020 | 114 | 5268 |
| 17 | 地质学 | 2021 | 107 | 1902 |
| 18 | 地球物理学 | 2018 | 78 | 1996 |
| 19 | 地球物理学 | 2019 | 39 | 780 |
| 20 | 地球物理学 | 2020 | 122 | 2752 |
| 21 | 地球物理学 | 2021 | 50 | 1400 |
| 22 | 地球物理学 | 2019 | 40 | 3676 |
| 23 | 地球物理学 | 2020 | 40 | 922 |
| 24 | 测绘工程 | 2021 | 60 | 1320 |
| 25 | 本研一体（地石油） | 2019 | 38 | 912 |
| 26 | 本研一体（地学类） | 2018 | 128 | 3050 |
| 27 | 本研一体（地学类） | 2019 | 120 | 3060 |
| 28 | 本研一体（地学类） | 2020 | 10 | 920 |
| 29 | 本研一体（地学类） | 2021 | 27 | 756 |

注：面向的本校专业：实验教学内容列入专业人才培养方案的专业。

（二）实验教学资源情况

|  |  |
| --- | --- |
| 实验项目资源总数 | 469个 |
| 年度开设实验项目数 | 432个 |
| 年度独立设课的实验课程 | 3门 |
| 实验教材总数 | 25种 |
| 年度新增实验教材 | 0种 |

注：（1）实验项目：有实验讲义和既往学生实验报告的实验项目。（2）实验教材：由中心固定人员担任主编、正式出版的实验教材。（3）实验课程：在专业培养方案中独立设置学分的实验课程。

（三）学生获奖情况

|  |  |
| --- | --- |
| 学生获奖人数 | 131人 |
| 学生发表论文数 | 145篇 |
| 学生获得专利数 | 15项 |

注：（1）学生获奖：指导教师必须是中心固定人员，获奖项目必须是相关项目的全国总决赛以上项目。（2）学生发表论文：必须是在正规出版物上发表，通讯作者或指导老师为中心固定人员。（3）学生获得专利：为已批准专利，中心固定人员为专利共同持有人。

## 四、教学改革与科学研究情况

（一）承担教学改革任务及经费

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| 序号 | 项目/课题名称 | 文号 | 负责人 | 参加人员 | 起止时间 | 经费（万元） | 类别 |
| 1 | 海岸带地质专题实习虚拟仿真教学设计 | 202101228044 | 鄢继华 | 孟凡超、陈世悦、马玉新 | 2021-2023 | 5 | A类 |

注：（1）此表填写省部级以上教学改革项目（课题）名称：项目管理部门下达的有正式文号的最小一级子课题名称。（2）文号：项目管理部门下达文件的文号。（3）负责人：必须是中心固定人员。（4）参加人员：所有参加人员，其中研究生、博士后名字后标注\*，非本中心人员名字后标注＃。（5）经费：指示范中心本年度实际到账的研究经费。（6）类别：分为a、b两类，a类课题指以示范中心为主的课题；b类课题指本示范中心协同其他单位研究的课题。

（二）研究成果

1.专利情况

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| **序号** | **名称** | **专利授权号** | **获准国别** | **完成人** | **类型** |
| 1 | 一种含随机分布裂缝横向各向同性岩石的声速计算方法 | CN110515126B | 中国 | 韩同城;徐登辉;刘圣彪;李博;任舒波 | 合作完成-第一人 |
| 2 | 一种断层活动性的定量评价方法 | CN111025391B | 中国 | 蒋有录;王宇;刘景东;李明阳;沈澈 | 合作完成-第一人 |
| 3 | 一种基于电磁散射的井周界面探测方法 | CN107191181B | 中国 | 邓少贵;张盼;王正楷;袁习勇;牛云峰 | 合作完成-第一人 |
| 4 | 一种泥页岩能谱矿物分布图校准方法及系统 | CN110189353B | 中国 | 薛海涛;田善思;曾芳;卢双舫;赵日新;王民;王伟明;陈国辉 | 合作完成-第一人 |
| 5 | 一种利用地震切片进行四级层序地层划分与识别的方法 | CN110954951B | 中国 | 张宪国;张涛;吴啸啸;李琦;刘杰;林承焰 | 合作完成-第一人 |
| 6 | 一种基于锥面波的三维地震速度反演方法 | CN110376642B | 中国 | 国运东;黄建平;李庆洋;袁双齐;李娜;崔超;李振春 | 合作完成-第一人 |
| 7 | 一种地震数据重建方法 | CN110320555B | 中国 | 张敏;赵子越;李振春;曹鹏涛;刘强;刘思远;段沛然 | 合作完成-第一人 |
| 8 | 基于随钻电磁波测井资料的地层各向异性电阻率提取方法 | CN108005646B | 中国 | 王磊;范宜仁;邢涛;邓少贵;范卓颖 | 合作完成-第一人 |
| 9 | 一种频率域多尺度裂缝弱度反演方法 | CN111474586B | 中国 | 潘新朋;李林;陈怀震;张广智;柳建新 | 合作完成-第一人 |
| 10 | 基于匹配追踪和RGB色彩融合的亮点油气检测方法及系统 | CN110333533B | 中国 | 李志娜;李振春;王鹏;孙苗苗;贺紫林;刘延利 | 合作完成-第一人 |
| 11 | 一种基于动校正速度参数的地震资料各向异性建模方法 | CN109901221B | 中国 | 任志明;李振春 | 合作完成-第一人 |
| 12 | 一种可变形溶洞充填自动仿真系统 | CN107728492B | 中国 | 周宇成;陈清华;许欣雨;柴铭;孙珂 | 合作完成-第一人 |
| 13 | 正交介质裂缝型储层水平裂缝及垂直裂缝同步预测方法 | CN111208560B | 中国 | 潘新朋;李林;张广智;柳建新;崔益安 | 合作完成-第一人 |
| 14 | 一种利用测井资料评价页岩气储层游离吸附比的方法 | CN111208583B | 中国 | 孙建孟;万金彬;付雅峰;程道解 | 合作完成-第一人 |
| 15 | 基于微分变分模态分解与重构的地震资料处理方法 | CN111239803B | 中国 | 张军华;江馀;刘显太;林承焰;王军;张云银;于景强;王静;桂志鹏;李琴 | 合作完成-第一人 |
| 16 | 一种定量表征弯曲走滑断层增压、释压强度的方法 | CN110850468B | 中国 | 李伟;陈兴鹏;吴智平;张晓庆;幽鹏飞 | 合作完成-第一人 |
| 17 | 一种泥页岩有机孔隙与无机孔隙自动识别方法及系统 | CN110223282B | 中国 | 薛海涛;田善思;曾芳;卢双舫;赵日新;肖佃师;李俊乾;黄文彪 | 合作完成-第一人 |
| 18 | 地震岩石横波速度预测方法及装置 | CN110133725B | 中国 | 宗兆云;姜曼;印兴耀 | 合作完成-第一人 |
| 19 | 回灌模拟装置 | CN109326165B | 中国 | 段忠丰;袁聿东;段忠蕾 | 合作完成-第一人 |
| 20 | 测定直井岩芯中裂缝产状的一种简便方法 | CN109725132B | 中国 | 陆诗阔;王雪涛;贾祥明;张守乾;范新增;宋星琨 | 合作完成-第一人 |
| 21 | 一种基于X射线源的密度测井方法 | CN108222927B | 中国 | 张锋;田立立;李亚芬;王阳;赵靓;邱飞;陈前 | 合作完成-第一人 |
| 22 | 一种基于FEF有效信号补偿的断裂特征再增强的方法 | CN111257936B | 中国 | 崔立杰;吴孔友;简世凯;范彩伟;刘敬寿;刘芋杰;纪杰;李天然;洪梅 | 合作完成-第一人 |
| 23 | 一种基于密井网区测井资料识别低级序断层断点位置的方法 | CN110646847B | 中国 | 杨少春;白青林;冯建伟 | 合作完成-第一人 |
| 24 | 一种油气富集程度的表征方法 | CN109191002B | 中国 | 蒋有录;范婕;刘景东;林彧涵;苏圣民 | 合作完成-第一人 |
| 25 | 一种泥页岩不同矿物孔隙自动识别方法及系统 | CN110146533B | 中国 | 田善思;曾芳;薛海涛;卢双舫;赵日新;王民;李吉君;陈国辉 | 合作完成-第一人 |
| 26 | 一种耐高压放射性同位素示踪剂及其制备方法 | CN108412487B | 中国 | 李向辉;张锋;李甜甜;遆永周;吕晓华;李灿然;王晓慧;邓刚;孟闯;华成武;李旭照;张奕;苑素华;董明静;黎振华;管晖;陈海军;王宏正;黄伦基;胡秀菊 | 合作完成-第一人 |
| 27 | 一种泥页岩扫描电镜图片孔隙提取方法及系统 | CN110211144B | 中国 | 薛海涛;田善思;曾芳;卢双舫;赵日新;王民;李吉君;陈方文 | 合作完成-第一人 |
| 28 | 一种基于断层遮挡的油藏含油高度定量评价方法 | CN108643896B | 中国 | 高长海;张新征;冯建伟;潘守旭;张嘉豪 | 合作完成-第一人 |
| 29 | 一种弹性能量逆时偏移成像方法、装置、设备及系统 | CN111239804B | 中国 | 杜启振;张晓语 | 合作完成-第一人 |
| 30 | 断层侧向封堵主控因素的评价方法 | CN111077592B | 中国 | 蒋有录;王宇;苏圣民;赵凯 | 合作完成-第一人 |
| 31 | 一种碎屑岩不整合结构体测井综合识别方法 | CN109814174B | 中国 | 吴孔友;李彦颖;洪梅;刘化清;吴晓菲 | 合作完成-第一人 |
| 32 | 一种识别地下古代河流类型的方法 | CN108678735B | 中国 | 袁静;钟剑辉;谢君 | 合作完成-第一人 |
| 33 | 基于立体成像条件的一次波和多次波联合成像方法及系统 | CN110780348B | 中国 | 李志娜;彭思凯;李振春;王鹏;孙苗苗;贺紫林;丁艺璇 | 合作完成-第一人 |
| 34 | 地震岩石的地震波速度频散及衰减预测方法及装置 | CN110058310B | 中国 | 宗兆云;宋琉璇;印兴耀 | 合作完成-第一人 |
| 35 | 一种地震波数值模拟方法 | CN110824558B | 中国 | 谷丙洛;段沛然;李振春 | 合作完成-第一人 |
| 36 | 解耦弹性逆时偏移成像方法和装置 | CN111221037B | 中国 | 杜启振;赵强 | 合作完成-第一人 |
| 37 | 一种基于各向异性流体因子的致密裂缝储层地震预测方法 | CN111751883B | 中国 | 潘新朋;张鹏飞;张广智;张大洲;柳建新 | 合作完成-第一人 |
| 38 | 一种基于图像分析的孔隙度评价方法 | CN109856029B | 中国 | 蔡华;林承焰;段冬平;黄鑫;刘彬彬;王文广 | 合作完成-第一人 |
| 39 | 一种基于横向约束的快速地震随机反演方法 | CN108318921B | 中国 | 王保丽;印兴耀;刘婵娟;郝雪景;蔺营 | 合作完成-第一人 |
| 40 | 一种基于直、球与柱坐标变换的坐标旋转方法 | CN110007356B | 中国 | 王正楷;张盼;李莉;邓少贵;袁习勇;蔡联云 | 合作完成-第一人 |
| 41 | 一种针对砂砾岩储层中岩屑含量统计的方法 | CN110057727B | 中国 | 曲希玉;陈思芮;邱隆伟;董晓芳;曹英权 | 合作完成-第一人 |
| 42 | 一种岩-水-烃模拟实验方法 | CN109828099B | 中国 | 远光辉;操应长;昝念民;王艳忠;刘可禹 | 合作完成-第一人 |
| 43 | 一种定量求取页岩中构造裂缝规模的方法 | CN111767647B | 中国 | 马存飞;曾令鹏;詹远;杜争利;韩文中;蒲秀刚 | 合作完成-第一人 |
| 44 | 一种大斜度井/水平井随钻电磁波测井资料钻后反演方法 | CN108345719B | 中国 | 王磊;范宜仁;霍立壮;邓少贵;邢涛 | 合作完成-第一人 |
| 45 | 一种模拟多期石油充注对碳酸盐胶结作用影响的可视化方法 | CN110412204B | 中国 | 王艳忠;林敉若;李宇志;操应长;王淑萍;昝念民;解强旺;付永恒;董修宇;葸克来;远光辉;王健 | 合作完成-第一人 |
| 46 | 中古生界深层油气勘探有利区带综合评价方法 | CN109087015B | 中国 | 金凤鸣;李宏军;付立新;高长海;楼达;张津宁;杨子玉;潘守旭 | 合作完成-第一人 |
| 47 | 利用气液混合示踪剂分析水力压裂是否污染含水层的方法 | CN108915674B | 中国 | 杨金秀;卢双舫;王民;陈国辉;宋朋霖 | 合作完成-第一人 |
| 48 | 一种基于速度频散因子的砂砾岩体相带描述方法 | CN111399055B | 中国 | 张军华;桂志鹏;王军;蒋龙;张云银;刘显太;张玉亮;赵杰;李琴;胡陈康 | 合作完成-第一人 |
| 49 | 一种随钻密度测井对井径及间隙的计算方法 | CN108509675B | 中国 | 于华伟;陈翔鸿;周悦 | 合作完成-第一人 |
| 50 | 一种海底冷泉地震响应数值模拟方法及系统 | CN110954960B | 中国 | 谷丙洛;张闪闪;李振春 | 合作完成-第一人 |
| 51 | 一种评价井周横波三维各向异性的方法 | CN112034516B | 中国 | 许松;唐晓明;苏远大;庄春喜;谭宝海 | 合作完成-第一人 |
| 52 | 一种定量评价射孔穿透深度的声学测井方法 | CN109339778B | 中国 | 苏远大;李焕然;唐晓明 | 合作完成-第一人 |
| 53 | 一种油气储层流体活动性预测方法 | CN108952695B | 中国 | 李福来;卢莉 | 合作完成-第一人 |
| 54 | 一种致密储层饱和度指数的实验室测量方法 | CN113029908B | 中国 | 韩学辉;韩振鹏;江佳洋;戴诗华;韩学忠;彭原平 | 合作完成-第一人 |
| 55 | 一种高含泥质砂岩声速的计算方法 | CN112987096B | 中国 | 韩学辉;江佳洋;韩振鹏;刘智桢;罗振 | 合作完成-第一人 |
| 56 | 一种应用检查井数据估算混合液电阻率的方法 | CN112983411B | 中国 | 韩学辉;王鹏;韩振鹏;江佳洋;柴立学 | 合作完成-第一人 |

注：（1）国内外同内容的专利不得重复统计。（2）专利：批准的发明专利，以证书为准。（3）完成人：所有完成人，排序以证书为准。（4）类型：其他等同于发明专利的成果，如新药、软件、标准、规范等，在类型栏中标明。（5）类别：分四种，独立完成、合作完成-第一人、合作完成-第二人、合作完成-其他。如果成果全部由示范中心固定人员完成的则为独立完成。如果成果由示范中心与其他单位合作完成，第一完成人是示范中心固定人员则为合作完成-第一人；第二完成人是示范中心固定人员则为合作完成-第二人，第三及以后完成人是示范中心固定人员则为合作完成-其他。（以下类同）

2.发表论文、专著情况

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **序号** | **论文或专著名称** | **作者** | **刊物、出版社** | **卷、期（或章节）、页** | **类型** | **类别** |
|
| 1 | Fuzzy Constrained Inversion of Magnetotelluric Data Using Guided Fuzzy C-Means Clustering | Yang, Bo; Xu, Kaijun; Liu, Zhan | SURVEYS IN GEOPHYSICS | 　 | SCI收录论文 | 国外刊物 |
| 2 | Geochemistry of high-maturity crude oil and gas from deep reservoirs and their geological significance: A case study on Shuntuoguole low uplift, Tarim Basin, western China | Chen, Zhonghong; Chai, Zhi; Cheng, Bin; Liu, Hua; Cao, Yingchang; Cao, Zicheng; Qu, Jiangxiu | AAPG BULLETIN | 105,65-107 | SCI收录论文 | 国外刊物 |
| 3 | Coupled stratigraphic and petroleum system modeling: Examples from the Ordos Basin, China | Liu, Keyu; Liu, Jianliang; Huang, Xiu | AAPG BULLETIN | 105,1-28 | SCI收录论文 | 国外刊物 |
| 4 | Pore Structure Characterization of Eocene Low-Permeability Sandstones via Fractal Analysis and Machine Learning: An Example from the Dongying Depression, Bohai Bay Basin, China | Lu, Yan; Liu, Keyu | ACS OMEGA | 6,11693-11710 | SCI收录论文 | 国外刊物 |
| 5 | Lithofacies and Pore Structure of Fine-grained Sedimentary Rocks of Qing-1 Member of Cretaceous in the Southern Songliao Basin | Lin, Lamei; Liu, Su; Xu, Yang; Li, Fulai | ACTA GEOLOGICA SINICA-ENGLISH EDITION | 95,570-584 | SCI收录论文 | 国外刊物 |
| 6 | Geochemical Characteristics and Migration Pathways of Ordovician Carbonate Oil Reservoirs in the Tuoputai Area, Tarim Basin, Northwestern China | Liu Hua; Wang Shen; Cheng Bin; Cao Zicheng; Jiang Ziyue | ACTA GEOLOGICA SINICA-ENGLISH EDITION | 95,1295-1309 | SCI收录论文 | 国外刊物 |
| 7 | Distribution of Mid-deeply Buried Sand-bodies and their Hydrocarbon Significance at Basin Margins: Case Study of the Paleogene in the Eastern Liuzan Area of the Nanpu Sag, Bohai Bay Basin, China | Cui Lijie; Jian Shikai; Zhang Boming; Xie Xiongju; Li Liang | ACTA GEOLOGICA SINICA-ENGLISH EDITION | 95,1279-1294 | SCI收录论文 | 国外刊物 |
| 8 | A Quantitative Method for Evaluating Fault Vertical Opening and Sealing Properties during Hydrocarbon-Charging Periods | Jiang Youlu; Zhao Kai; Hu Honglin | ACTA GEOLOGICA SINICA-ENGLISH EDITION | 95,1420-1422 | SCI收录论文 | 国外刊物 |
| 9 | Ancient Microorganisms and Carotenoids Preserved in Fluid Inclusions in Halite from Chaka Salt Lake, Western China: Evidence from Micro-observation and in situ Raman Spectroscopy | CHEN, Yong; WANG, Jiuyuan; ZHOU, Zhenzhu; CHEN, Xiaolan; ZHAO, Zhenyu; SHI, Peng; HAN, Yun | ACTA GEOLOGICA SINICA-ENGLISH EDITION | 95,1008-1015 | SCI收录论文 | 国外刊物 |
| 10 | Characteristics and Genesis of the Es-1 Productive Sandstone Reservoir (Paleogene), Nanpu Sag, East China | Muhammad, Kashif; Cao Yingchang; Naveed, Ahsan; Muhammad, Asif; Yuan Guanghui; Xi Kelai; Zhang Shaomin; Xu Qisong; Tahir, M. Usman; Orkhan, Isgandarov | ACTA GEOLOGICA SINICA-ENGLISH EDITION | 95,909-927 | SCI收录论文 | 国外刊物 |
| 11 | Multi-parameter logging evaluation of tight sandstone reservoir based on petrophysical experiment | Li, Haitao; Deng, Shaogui; Xu, Feng; Niu, Yunfeng; Hu, Xufei | ACTA GEOPHYSICA | 　 | SCI收录论文 | 国外刊物 |
| 12 | Reflection Full Waveform Inversion with Decoupled Elastic-wave Equations in Inhomogeneous Medium | Liang, Zhanyuan; Wu, Guochen; Zhang, Xiaoyu; Li, Qingyang | ANNALS OF GEOPHYSICS | 64 | SCI收录论文 | 国外刊物 |
| 13 | Least-squares reverse time migration method using the factorization of the Hessian matrix | Sun Xiao-Dong; Teng Hou-Hua; Ren Li-Juan; Wang Wei-Qi; Li Zhen-Chun | APPLIED GEOPHYSICS | 18,94-100 | SCI收录论文 | 国外刊物 |
| 14 | Prediction method of reservoir pore types based on pore shape substitution | Zhang Jia-Jia; Chen Kang; Zhang Guang-Zhi; Di Gui-Dong; Xu Lei-Lei; Gu Yi-Peng | APPLIED GEOPHYSICS | 18,31-44 | SCI收录论文 | 国外刊物 |
| 15 | Prestack seismic stochastic inversion based on statistical characteristic parameters | Wang Bao-Li; Lin Ying; Zhang Guang-Zhi; Yin Xing-Yao; Zhao Chen | APPLIED GEOPHYSICS | 18,63-74 | SCI收录论文 | 国外刊物 |
| 16 | Imbalanced data classification based on improved EIWAPSO-AdaBoost-C ensemble algorithm | Li, Xiao; Li, Kewen | APPLIED INTELLIGENCE | , | SCI收录论文 | 国外刊物 |
| 17 | A novel borehole/annulus holdup calculation method based on pulsed neutron logging | Wang, Xinguang; Zhang, Feng; Ma, Huanying; Zhou, Liangwen | APPLIED RADIATION AND ISOTOPES | 168 | SCI收录论文 | 国外刊物 |
| 18 | A new algorithm for evaluating reservoir density based on X-ray logging technology | Zhang, Feng; Fan, Jilin; Liu, Yingming; Chen, Qian; Qiu, Fei; Liang, Qixuan; Zhang, Xiaoyang; Song, Haochen | APPLIED RADIATION AND ISOTOPES | 175 | SCI收录论文 | 国外刊物 |
| 19 | Low-Frequency Expansion Approach for Seismic Data Based on Compressed Sensing in Low SNR | Sun, Miaomiao; Li, Zhenchun; Liu, Yanli; Wang, Jiao; Su, Yufei | APPLIED SCIENCES-BASEL | 11 | SCI收录论文 | 国外刊物 |
| 20 | Applying NMR T-2 Spectral Parameters in Pore Structure Evaluation-An Example from an Eocene Low-Permeability Sandstone Reservoir | Lu, Yan; Liu, Keyu; Wang, Ya | APPLIED SCIENCES-BASEL | 11 | SCI收录论文 | 国外刊物 |
| 21 | Analysis of Main Controlling Factors of Natural CO2 Based on 3D Geological Modelling in the Northern Wuerxun Sag, Hailar Basin, China | Qi, Ning; Xue, Haitao; Yang, Jinxiu; Lu, Mingyue; Lu, Shuangfang; Xia, Ying | ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING | 　 | SCI收录论文 | 国外刊物 |
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| 328 | A Novel Shale Gas Production Prediction Model Based on Machine Learning and Its Application in Optimization of Multistage Fractured Horizontal Wells | Wang, Huijun(1); Qiao, Lu(1); Lu, Shuangfang(1); Chen, Fangwen(1); Fang, Zhixiong(2); He, Xipeng(2); Zhang, Jun(3); He, Taohua(1) | Frontiers in Earth Science | v 9, | EI Compendex收录论文 | 国外刊物 |
| 329 | Soil Classification Based on Deep Learning Algorithm and Visible Near-Infrared Spectroscopy | Li, Xueying(1,2,3); Fan, Pingping(2); Li, Zongmin(4); Chen, Guangyuan(5); Qiu, Huimin(2); Hou, Guangli(2) | Journal of Spectroscopy | v 2021, | EI Compendex收录论文 | 国外刊物 |
| 330 | Carbon Content Detection of Marine Sediments Based on Multispectral Fusion | Li, Xue-Ying(1,3); Li, Zong-Min(2); Hou, Guang-Li(3); Qiu, Hui-Min(3); Lü, Hong-Min(3); Chen, Guang-Yuan(4); Fan, Ping-Ping(3) | Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis | v 41, p 2898-2903 | EI Compendex收录论文 | 国外刊物 |
| 331 | Quantitative prediction of multi-period tectonic fractures based on integrated geological-geophysical and geomechanics data in deep carbonate reservoirs of Halahatang oilfield in northern Tarim Basin | Li, Hui(1,2,3); Lin, Chengyan(1,2,3); Ren, Lihua(1,2,3); Zhang, Guoyin(1,2,3); Chang, Lunjie(4); Dong, Chunmei(1,2,3) | Marine and Petroleum Geology | v 134, | EI Compendex收录论文 | 国外刊物 |
| 332 | A unified description of surface waves and guided waves with relative amplitude dispersion maps | Sun, Chengyu(1); Wang, Zhinong(1); Wu, Dunshi(2); Cai, Ruiqian(1); Wu, Han(1) | Geophysical Journal International | v 227, p 1480-1495 | EI Compendex收录论文 | 国外刊物 |
| 333 | Release of Bound Biomarkers Using Microscale Sealed Vessel Catalytic Hydrogenation | Yang, Shengyu(1,2); Horsfield, Brian(3); Karger, Cornelia(2); Perssen, Ferdinand(2); Wu, Liangliang(4); Mangelsdorf, Kai(2) | Energy and Fuels | v 35, p 14499-14509 | EI Compendex收录论文 | 国外刊物 |
| 334 | Seismic data interpolation using dual-domain conditional generative adversarial networks | Chang, Dekuan(1,2); Yang, Wuyang(2); Yong, Xueshan(2); Zhang, Guangzhi(1); Wang, Wenlong(3); Li, Haishan(2); Wang, Yihui(2) | IEEE Geoscience and Remote Sensing Letters | v 18, p 1856-1860 | EI Compendex收录论文 | 国外刊物 |
| 335 | Comprehensive evaluation method of sweet spot zone in lacustrine shale oil reservoir and its application: A case study of shale oil in lower 1st member of the Shahejie formation in the Raoyang sag | Wei, Yongbo(1); Li, Junqian(1); Lu, Shuangfang(1); Song, Zhaojing(1); Zhao, Rixin(1); Zhang, Yu(1); Wang, Jingming(1); Liu, Xin(1) | Zhongguo Kuangye Daxue Xuebao/Journal of China University of Mining and Technology | v 50, p 813-824 | EI Compendex收录论文 | 国外刊物 |
| 336 | Remaining oil formation mechanism based on oil-water permeability difference: A case study of Xingshugang oil field in Daqing placanticline | Lyu, Duanchuan(1,2); Lin, Chengyan(1,2); Ren, Lihua(1,2); Liu, Changfu(3); Cai, Shaobin(3); Song, Jinpeng(4) | Zhongguo Kuangye Daxue Xuebao/Journal of China University of Mining and Technology | v 50, p 825-834 | EI Compendex收录论文 | 国外刊物 |
| 337 | Geochemical Characteristics and Signatures of Mesozoic Sandstones from Huanghua Depression | Li, Chen(1); Chen, Shiyue(1); Lou, Da(2); Fu, Lixin(2); Yan, Jihua(1) | Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences | v 46, p 2903-2918 | EI Compendex收录论文 | 国外刊物 |
| 338 | Research progress and prospect of Ordovician carbonate rocks in Tahe oilfield: karst feature | Xu, Xinyu(1); Chen, Qinghua(1); Zhang, Yinguo(1,2); Wang, Jing(3); Li, Yang(4); Kang, Zhijiang(5); Wei, Hehua(5); Quan, Lianshun(5); Zhang, Yun(5) | Journal of Petroleum Exploration and Production Technology | v 11, p 3889-3902 | EI Compendex收录论文 | 国外刊物 |
| 339 | Reservoir characteristics of intra-platform reef-shoal and formation mechanism of the Changxing formation in the eastern Sichuan Basin | Dong, Qingmin(1); Hu, Zhonggui(2); Chen, Shiyue(1); Yuan, Baoguo(3); Dai, Xin(3) | Zhongguo Kuangye Daxue Xuebao/Journal of China University of Mining and Technology | v 50, p 847-863 and 892 | EI Compendex收录论文 | 国外刊物 |
| 340 | Influence of change in oil-water ratio on rock mechanical properties and sand production analysis: A case study on Funing formation reservoir of Qinying fault block area in Jinhu sag | Sun, Ke(1); Chen, Qinghua(1); Xu, Ke(2); Sun, Jianfang(3) | Zhongguo Kuangye Daxue Xuebao/Journal of China University of Mining and Technology | v 50, p 909-922 | EI Compendex收录论文 | 国外刊物 |
| 341 | An adaptive stability condition for Q migration in the frequency domain based on the GSLS model | Liu, Yanli(1); Li, Zhenchun(1); Wang, Jiao(2); Sun, Miaomiao(1); Liu, Qiang(1) | Exploration Geophysics | v 52, p 525-539 | EI Compendex收录论文 | 国外刊物 |
| 342 | Overpressure caused by hydrocarbon generation in the organic-rich shales of the Ordos Basin | Liu, Jingdong(1,2,3); Liu, Tao(4); Liu, Hua(1,2,3); He, Lulu(3); Zheng, Lunju(5) | Marine and Petroleum Geology | v 134, | EI Compendex收录论文 | 国外刊物 |
| 343 | Frequency-dependent seismic properties in layered and fractured rocks with partial saturation | Xu, Denghui(1); Han, Tongcheng(1,2); Fu, Li-Yun(1,2) | Geophysical Prospecting | v 69, p 1716-1732 | EI Compendex收录论文 | 国外刊物 |
| 344 | Influence of a Paleosedimentary Environment on Shale Oil Enrichment: A Case Study on the Shahejie Formation of Raoyang Sag, Bohai Bay Basin, China | Wei, Yongbo(1,2); Li, Xiaoyan(3); Zhang, Ruifeng(3); Li, Xiaodong(3); Lu, Shuangfang(1,2); Qiu, Yan(3); Jiang, Tao(3); Gao, Yuan(3); Zhao, Tiedong(3); Song, Zhaojing(1,2); Zhao, Meihong(4) | Frontiers in Earth Science | v 9, | EI Compendex收录论文 | 国外刊物 |
| 345 | Genesis and characteristics of Paleogene overpressure in Zhanhua Depression, Jiyang Sub-basin | Liu, Hua(1,2,3); Yuan, Feifei(1,3); Jiang, Youlu(1,3); Hao, Xuefeng(4); Fang, Xuqing(4) | Zhongguo Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of China University of Petroleum (Edition of Natural Science) | v 45, p 23-32 | EI Compendex收录论文 | 国外刊物 |
| 346 | Modeling viscoacoustic wave propagation using a new spatial variable-order fractional Laplacian wave equation | Mu, Xinru(1,2); Huang, Jianping(1,2); Wen, Lei(3); Zhuang, Subin(1,2) | Geophysics | v 86, p T487-T507 | EI Compendex收录论文 | 国外刊物 |
| 347 | Simulation of thermoelastic waves based on the Lord-Shulman theory | Hou, Wanting(1,2); Fu, Li-Yun(1,2); Carcione, José M.(3,4); Wang, Zhiwei(1); Wei, Jia(5) | Geophysics | v 86, p T155-T164 | EI Compendex收录论文 | 国外刊物 |
| 348 | Evaluation of 3D shear-wave anisotropy based on elastic-wave velocity variations around the borehole | Xu, Song(1,2,3); Tang, Xiao-Ming(1); Torres-Verdín, Carlos(4); Li, Zhen(5); Su, Yuanda(1) | Geophysics | v 86, p D103-D112 | EI Compendex收录论文 | 国外刊物 |
| 349 | An optimal finite-difference method based on the elongated stencil for 2D frequency-domain acoustic-wave modeling | Li, Shizhong(1); Sun, Chengyu(1); Wu, Han(1); Cai, Ruiqian(1); Xu, Ning(2) | Geophysics | v 86, p T523-T541 | EI Compendex收录论文 | 国外刊物 |
| 350 | An Exact Expression for the Effective Bulk Modulus for Acoustic Wave Propagation in Cylindrical Patchy-Saturation Rocks | Zong, Zhaoyun(1); Chen, Yu(1) | Lithosphere | v 2021, p 1-12 | EI Compendex收录论文 | 国外刊物 |
| 351 | Identification and characteristics of structural transfer zones in the east area of Wushi Sag, Beibuwan Basin | Dong, Fang(1); Wu, Kongyou(1); Cui, Lijie(1); Li, Yanying(1); Zhou, Peixing(1); Dong, Wen-Xin(1) | Shiyou Diqiu Wuli Kantan/Oil Geophysical Prospecting | v 56, p 1180-1189 | EI Compendex收录论文 | 国外刊物 |
| 352 | Elastic full-waveform inversion of land single-component seismic data based on optimal transport theory | Li, Qingyang(1,2); Wu, Guochen(1,2); Wang, Yumei(3); Shen, Guoqiang(3); Duan, Peiran(1) | Shiyou Diqiu Wuli Kantan/Oil Geophysical Prospecting | v 56, p 1060-1073 | EI Compendex收录论文 | 国外刊物 |
| 353 | Research on fault detection method based on 3D deeply supervised network | Wang, Jing(1); Zhang, Junhua(1); Lu, Fengming(2); Meng, Ruigang(2); Wang, Zuoqian(1); Chang, Jianqiang(1) | Shiyou Diqiu Wuli Kantan/Oil Geophysical Prospecting | v 56, p 947-957 | EI Compendex收录论文 | 国外刊物 |
| 354 | Spectral decomposition method of adaptive matching pursuit based on empirical mode decomposition dictionary and its application in oil and gas detection | Pan, Hui(1,2); Yin, Xingyao(1,2); Li, Kun(1,2); Pei, Song(1,2) | Shiyou Diqiu Wuli Kantan/Oil Geophysical Prospecting | v 56, p 1117-1129 | EI Compendex收录论文 | 国外刊物 |
| 355 | Sedimentary Characteristics and Transport Mechanism of Subaqueous Coarse Clastic Rocks in the Lower Cretaceous Xiguayuan Formation in the Steep Slope Zone of Luanping Basin | Yang, Baoliang(1); Qiu, Longwei(1,2); Yang, Yongqiang(1,2); Dong, Daotao(1); Zhou, Shibo(3); Liu, Zhaowen(4); Bai, Like(1) | Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences | v 46, p 3258-3277 | EI Compendex收录论文 | 国外刊物 |
| 356 | Light Hydrocarbon Geochemical Characteristics and Geological Significance of Buried Hill Condensate Oil in Bozhong 19-6 Structural Belt | Liu, Mengxing(1); Hao, Fang(1); Wang, Qi(1); Niu, Chengmin(2); Tian, Jinqiang(1) | Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences | v 46, p 3645-3656 | EI Compendex收录论文 | 国外刊物 |
| 357 | Migration of Natural Gas Controlled by Faults of Majiagou Formation in Central Ordos Basin: Evidence from Fluid Inclusions | Feng, Yanwei(1); Chen, Yong(1); Zhao, Zhenyu(2); Liu, Tingyu(1); Lei, Jing(3); Zhong, Sheng(1); Wang, Miao(1); Li, Guanhua(1); Pei, Yangwen(1) | Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences | v 46, p 3601-3614 | EI Compendex收录论文 | 国外刊物 |
| 358 | Evolution of a deeply-buried oil reservoir in the north Shuntuoguole Low Uplift, Tarim Basin, western China: Insights from molecular geochemistry and Re–Os geochronology | Wu, Luya(1); Jin, Zhijun(2); Liu, Keyu(1,3); Chu, Zhuyin(4); Yang, Peng(1) | Marine and Petroleum Geology | v 134, | EI Compendex收录论文 | 国外刊物 |
| 359 | Development Characteristics and Geological Significance of High Density Methane Inclusions in the Longmaxi Member I in the Ningxi Area, Southern Sichuan Basin | Liu, Zhuo(1,2); Hao, Fang(1,2); Liu, Xin(1,2); Wu, Wei(3,4); Quan, Li(1,2); Tian, Jinqiang(1,2); Feng, Ziqi(1,2) | Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences | v 46, p 3157-3171 | EI Compendex收录论文 | 国外刊物 |
| 360 | Formation pressure evolution and its causes for the reservoirs of the upper Triassic Xujiahe formation in the northeast portion of the Sichuan basin, China | Zhang, Cunjian(1,2,3); Liu, Jingdong(1,2,3); Jiang, Youlu(1,2,3) | Energy Exploration and Exploitation | v 39, p 1894-1918 | EI Compendex收录论文 | 国外刊物 |

注：（1）论文、专著均限于教学研究、学术论文或专著，一般文献综述及一般教材不填报。请将有示范中心成员署名的论文、专著依次以国外刊物、国内重要刊物，外文专著、中文专著为序分别填报。（2）类型：SCI（E）收录论文、SSCI收录论文、A&HCL收录论文、EI Compendex收录论文、北京大学中文核心期刊要目收录论文、南京大学中文社会科学引文索引期刊收录论文（CSSCI）、中国科中心中国科学引文数据库期刊收录论文（CSCD）、外文专著、中文专著；国际会议论文集论文不予统计，可对国内发行的英文版学术期刊论文进行填报，但不得与中文版期刊同内容的论文重复。（3）外文专著：正式出版的学术著作。（4）中文专著：正式出版的学术著作，不包括译著、实验室年报、论文集等。（5）作者：所有作者，以出版物排序为准。

3.仪器设备的研制和改装情况

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **序号** | **仪器设****备名称** | **自制或****改装** | **开发的功能和用途****（限100字以内）** | **研究成果****（限100字以内）** | **推广和应用的高校** |
| 1 | 地震勘探实验与虚拟仿真实验 | 自制 | 针对地震资料解释过程中的地震反演和属性分析两大类方法开展多解性仿真实验。通过全程可视化的仿真实验，在动手实践获得解释结果与真实油气藏特征进行对比，有助于学生以更加全面的知识和合理的态度面对实际工作中的油气地震解释等关键问题。 | 已建设完成并用于本校本科教学 | 用于本校《地震勘探原理》课程地震勘探实验 |
| 2 | 地震数据成像处理虚拟仿真实验 | 自制 | 针对地震数据处理的三大技术反褶积、叠加和偏移成像开展仿真型实验，使得学生充分了解地震数据处理提高反射波数据的信噪比、分辨率和保真度的过程，另外，对地震数据预处理、数字滤波和动静校正这三项地震数据处理的重要内容开展仿真型实验，模拟几何扩散校正、建立野外观测系统、和野外静校正等过程，模拟一维和二维数字滤波器实现过程与效果，模拟伪门现象和吉布斯现象，模拟动静校正的实现过程，获得地震数据处理的形象化认识。 | 已建设完成并用于本校本科教学 | 用于本校《地震资料数字处理》课程地震数据成像处理实验 |
| 3 | 弹性波场的产生与传播虚拟仿真实验 | 自制 | 通过虚拟技术模拟空腔震源半径、压力函数、地层参数及传播距离等因素对质点位移的影响，分析子波的形成过程；通过对波动方程数值模拟，分析反射波、透射波、折射波和不均匀波的形成过程；借助Zoeppritz方程模拟分析地层界面处不同波的能量关系随介质参数和入射角的变化规律。 | 已建设完成并用于本校本科教学 | 用于本校《弹性波动力学》课程弹性波场的产生与传播实验 |
| 4 | 地球物理信号分析与处理虚拟仿真实验 | 自制 | 针对地球物理信号的特征，利用仿真的虚拟环境，主要开展信号分解与合成，时域信号分析，变换域信号分析，滤波器设计，数字滤波等仿真实验。通过编写程序，学生首先对模拟的地球物理信号（如合成地震信号）进行分析，获取这些信号的时域和变换域特征，然后设计滤波器，进行数字滤波，得到物理意义明确的处理。 | 已建设完成并用于本校本科教学 | 暂用于本校《信号分析与处理》课程地球物理信号分析与处理实验 |
| 5 | 岩石弹性特征及孔隙结构虚拟仿真实验 | 自制 | 针对不同类型的岩石样品，通过虚拟仿真技术模拟实际岩石样品在地下压力和温度作用下发生变形的过程，同时模拟岩石的纵波速度和横波速度以及弹性模量等弹性参数随着压力和温度的变化过程；利用数字岩心扫描技术展现实际岩石的真实形态，通过数字岩石物理模拟方法，模拟不同矿物成分和不同孔隙结构等。 | 已建设完成并用于本校本科教学 | 用于本校《地震岩石物理》课程岩石弹性特征及孔隙结构实验 |
| 6 | 测井过程的智能化虚拟仿真实验 | 自制 | 通过构建野外井场虚拟环境、主流测井仪器结构和测井作业系统，仿真仪器刻度与校验、仪器串装配、深度记录点处理、测井上提与下放、异常处理和质量控制等，实现仪器测前准备、测中监控和测后检验的过程覆盖，建立对测井作业工具、测井数据采集质量控制、关键作业程序的科学认识，使学生能够直观可视难以观测的测井过程，为数据处理和解释提供重要参考。 | 已建设完成并用于本校本科教学 | 用于本校测井方法原理课配套实验 |

注：（1）自制：实验室自行研制的仪器设备。（2）改装：对购置的仪器设备进行改装，赋予其新的功能和用途。（3）研究成果：用新研制或改装的仪器设备进行研究的创新性成果，列举1－2项。

4.其它成果情况

|  |  |
| --- | --- |
| **名称** | **数量** |
| 国内会议论文数 | 56篇 |
| 国际会议论文数 | 37篇 |
| 国内一般刊物发表论文数 | 46篇 |
| 省部委奖数 | 15项 |
| 其它奖数 | 31项 |

注：国内一般刊物：除“（三）2”以外的其他国内刊物，只填汇总数量。

## 五、信息化建设、开放运行和示范辐射情况

（一）信息化建设情况

|  |  |
| --- | --- |
| **中心网址** | http://pgp.geori.upc.edu.cn/ |
| **中心网址年度访问总量** | 0.8万人次 |
| **信息化资源总量** | 10100Mb |
| **信息化资源年度更新量** | 4000Mb |
| **虚拟仿真实验教学项目** | 6项 |
| **中心信息化工作联系人** | **姓名** | 于翠玲 |
| **移动电话** | 18669753886 |
| **电子邮箱** | cuiupc@upc.edu.cn |

（二）开放运行和示范辐射情况

1.参加示范中心联席会活动情况

|  |  |
| --- | --- |
| 所在示范中心联席会学科组名称 | 地质组 |
| 参加活动的人次数 | 0 人次 |

2.承办大型会议情况

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **序号** | **会议名称** | **主办单位名称** | **会议****主席** | **参加****人数** | **时间** | **类型** |
| 1 | 第四届油气地球物理学术年会 | 中国地球物理学会油气地球物理专业委员会、中国石油大学（华东） | 印兴耀 | 400 | 2021年6月29日-30日 | 全国性 |
| 2 | 2021 Rock Physics Workshop New Challenges and New Developments | 中国石油大学（华东） | 韩同城 | 500 | 2021年10月9日-10日 | 国际性 |
| 3 | 首届海峡两岸暨港澳能源青年学者论坛 | 中国科协交流部和北京市科学技术协会、中国石油大学（华东） | 徐尚 | 200 | 2021 年10 月22-24 日 | 全国性 |
| 4 | 第十八届全国有机地球化学学术会议 | 石油学会、中国石油大学（华东） | 卢双舫 | 700 | 2021年11月18日-21日 | 全国性 |
| 5 | 第十二届UPC测井新技术国际学术研讨会-智能测井与测井信息处理及应用 | 中国石油大学（华东） | 张锋 | 1500 | 2021年11月3日-5日 | 国际性 |

注：主办或协办由主管部门、一级学会或示范中心联席会批准的会议。请按全球性、区域性、双边性、全国性等排序，并在类型栏中标明。

3.参加大型会议情况

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **序号** | **大会报告名称** | **报告人** | **会议名称** | **时间** | **地点** |
| 1 | 人工智能在测井信息处理及应用中的探索与展望 | 邵才瑞 | 第十二届UPC测井新技术国际学术研讨会 | 11月3-5日 | 青岛 |

注：大会报告：指特邀报告。

4.承办竞赛情况

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **竞赛名称** | **竞赛级别** | **参赛人数** | **负责人** | **职称** | **起止时间** | **总经费(万元)** |
| 1 | 大学生地球科普知识竞赛 | 校级 | 450 | 张宪国 | 正高级  | 12月6日 | 3 |

注：竞赛级别按国家级、省级、校级设立排序。

5.开展科普活动情况

|  |  |  |  |
| --- | --- | --- | --- |
| **序号** | **活动开展时间** | **参加人数** | **活动报道网址** |
| 1 | 2021-11-30 | 450 | <http://geori.upc.edu.cn/2021/1222/c18202a358324/page.htm> |
| 2 | 2021-12-10 | 1000 | <http://geori.upc.edu.cn/2021/1212/c3555a357041/page.htm> |
| 3 | 2021-10-30 | 51 | http://geori.upc.edu.cn/2021/1102/c3555a352260/page.htm |
| 4 | 2021-9-13 | 260 | http://geori.upc.edu.cn/2021/0917/c3555a345644/page.htm |
| 5 | 2021-09-20 | 230 | http://geori.upc.edu.cn/2021/0920/c3555a345925/page.htm |
| 6 | 2021-05-16 | 300 | http://geori.upc.edu.cn/2021/0525/c3555a336852/page.htm |

6.承办培训情况

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 序号 | 培训项目名称 | 培训人数 | 负责人 | 职称 | 起止时间 | 总经费(万元) |
| 1 | 实验室安全知识培训讲座 | 80 | 王健 | 教授 | 9月27日 | 0.2 |

注：培训项目以正式文件为准，培训人数以签到表为准。

三）安全工作情况

|  |  |
| --- | --- |
| 安全教育培训情况 | 100 人次 |
| 是否发生安全责任事故 |
| 伤亡人数（人） | 未发生 |
| 伤 | 亡 |
| 0 | 0 | 未发生 |

注：安全责任事故以所在高校发布的安全责任事故通报文件为准。如未发生安全责任事故，请在其下方表格打钩。如发生安全责任事故，请说明伤亡人数。