中 文 核 心 期 刊中 国 科 技 核 心 期 刊 RCCSE中国核心学术期刊



西安石油大学学报

JOURNAL OF XI'AN SHIYOU UNIVERSITY

自然科学版 Natural Science Edition



VOL.30 3 2015



西安石油大学学报(自然科学版):双月刊

XI'AN SHIYOU DAXUE XUEBAO (ZIRAN KEXUE BAN)

2015 年 5 月 25 日出版 第 30 卷第 3 期(总第 152 期)

目 次

【地质与勘探】

基于陆相断陷盆地的油气运聚模拟

孙旭东,吴冲龙,隋志强,毛小平(1)

利用测井资料评价煤层顶底板的裂缝发育程度

王剑,王珺,侯淞译(7)

鄂尔多斯盆地东部张台区长6油层组沉积微相特征与控油因素分析 孟选刚,单旭光,代晓旭,李沼,朱海涛,王宝萍(12)

利用重力资料研究穆格莱德盆地南部新生界分布

强洋洋,袁炳强,马杰,宋立军,张春灌(18)

渝东南地区页岩气富集区差异性分布成因

唐相路,姜振学,张莺莺,高甜,黄何鑫,冯洁,姚立邈(24)

LNS 地区须家河组须二段致密砂岩气藏有利区预测

陈晓东,施泽进,龙宏宇,王洁鑫(31)

济阳坳陷三合村洼陷油气运移与聚集规律

方旭庆(36)

鄂尔多斯盆地马家沟组风化壳气层特征分析

孙宜朴,李维,张军涛,李淑筠,范柏淯(41)

鄂尔多斯盆地 C 区长 8 储层岩石力学参数剖面建立方法

赵军龙,蔡振东,张亚旭,杜禹,赵晨阳(47)

【石油工程】

沉积微相与水驱倍数及剩余油的关系研究——以双河油田 V 下油组为例

陈波,百宗虎,吕婧文,李凤颖,冯国庆,张顺存,史基安(53)

【化学与化工】

长庆气田现用泡排剂评价及自生气泡排剂研究

郭钢,李琼玮,李明星,孙雨来(59)

印尼油砂性质分析及水基分离研究

维和明,杨小平,丁明山,贾卫红,张燕,任嗣利(67)

抗高温低聚物 KGDP 的研制及在深井钻井中的应用

黄维安, 贾江鸿, 李树皎, 赵国权, 钟汉毅, 邱正松, 董兵强(72)

辛基酚聚氧乙烯醚羧酸钠对塔河稠油的降黏作用研究

王雷,朱晓明,冉云令,韩胜霞(77)

2-苯甲酰基-3-羟基-1-丙烯与曼尼希碱的缓蚀协同作用

麻超,刘祥(82)

【机械工程】

边界条件对无重管柱螺旋屈曲的影响分析

黄文君,高德利,魏绍蕾(87)

【计算机及其应用】

采用改进遗传算法的配电网无功优化

武晓朦,封园(95)

基于 ZigBee 和 WiFi 的油田无线监测系统设计

曹庆年,刘畅,孟开元(100)

面向 GPU 异构集群的自学习负载均衡调度算法

刘惠,王继刚,葛铮铮,顾群,陈倩,杜军朝(105)

「期刊基本参数 ICN 61 - 1435/TE * 1986 * b * 16 * 120 * zh * P * ¥ 25.00 * 1 000 * 19 * 2015-05

(本期责任编辑: 贺元旦)

JOURNAL OF XI'AN SHIYOU UNIVERSITY

(Natural Science Edition) · Bimonthly

Published on May 25.2015 Vol. 30 No. 3 (Sum No. 152)

CONTENTS

· Geology and Exploration ·

Hydrocarbon migration & accumulation simulation method based on continental fault basin

SUN Xu-dong, WU Chong-long, SUI Zhi-qiang, MAO Xiao-ping (1)

Evaluation of fracture development degree in coal seam roof and floor based on logging data

WANG Jian, WANG Jun, HOU Song-yi (7)

Study on sedimentary microfacies and oil-controlling factors of Chang-6 reservoirs in Zhangtai area, Eastern Ordos Basin

MENG Xuan-gang ,SHAN Xu-guang ,DAI Xiao-xu ,LI Zhao ,ZHU Hai-tao ,WANG Bao-ping (12)

Study on distribution of the Cenozoic in southern Muglad Basin according to gravity data

QIANG Yang-yang, YUAN Bing-qiang, MA Jie, SONG Li-jun, ZHANG Chun-guan (18)

Causes leading to difference of different wellblocks in southeastern Chongqing in shale gas enrichment

TANG Xiang-lu, JIANG Zhen-xue, ZHANG Ying-ying, GAO Tian, HUANG He-xin, FENG Jie, YAO Li-miao (24)

Prediction of favourable exploration zones in tight sandstone of the 2nd member of Xujiahe formation in LNS area

CHEN Xiao-dong, SHI Ze-jin, LONG Hong-yu, WANG Jie-xin (31)

Hydrocarbon migration and accumulation patterns in Sanhecun Sag of Jiyang Depression

FANG Xu-qing (36)

Characteristics of weathering crust gas reservoir in Majiagou Formation, Ordos Basin

SUN Yi-pu, LI Wei, ZHANG Jun-tao, LI Shu-jun, FAN Bai-yu (41)

Study on Method for establishing rock mechanics parameter profiles of Chang-8 reservoir in C area, Ordos Basin

ZHAO Jun-long, CAI Zhen-dong, ZHANG Ya-xu, DU Yu, ZHAO Chen-yang (47)

· Petroleum Engineering ·

Study on relationship between sedimentary microfacies and water flooding pore volume as well as remaining oil:taking lower V oil layers in Shuanghe Oilfield as an example

CHEN Bo, BAI Zong-hu, LV Jing-wen, LI Feng-ying, FENG Guo-qing, ZHANG Shun-cun, SHI Ji-an (53)



· Chemistry and Chemical Engineering ·

Evaluation of in-use foam drainage agents in Changqing Gasfield and study of a self-generating gas foam drainage agent

GUO Gang, LI Qiong-wei, LI Ming-xing, SUN Yu-lai (59)

Properties analysis and water-based separation of Indonesia's oil sands

LUO He-ming, YANG Xiao-ping, DING Ming-shan, JIA Wei-hong, ZHANG Yan, REN Si-li (67)

Development of low molecular polymer (KGDP) with high-temperature resistance and its application in drilling fluid for deep wells

HUANG Wei-an, JIA Jiang-hong, LI Shu-jiao, ZHAO Guo-quan, ZHONG Han-yi, QIU Zheng-song, DONG Bing-qiang (72)

Application of octylphenol polyoxyethylene ether carboxylate in viscosity reduction of Tahe heavy oil

WANG Lei, ZHU Xiao-ming, RAN Yun-ling, HAN Sheng-xia (77)

Synergistic corrosion inhibition effect of BAA and mannich base

MA Chao, LIU Xiang (82)

· Mechanical Engineering ·

Effects of boundary conditions on helical buckling of weightless tubular string HUANG Wen-jun, GAO De-li, WEI Shao-lei (87)

· Computer and Its Applications ·

Reactive power optimization of distribution network based on improved genetic algorithm WU Xiao-meng, FENG Yuan (95)

Design of oilfield wireless monitoring system based on ZigBee and WiFi CAO Qing-nian, LIU Chang, MENG Kai-yuan (100)

Self-learning load-balancing scheduling algorithm based on GPU heterogeneous cluster

LIU Hui, WANG Ji-gang, GE Zheng-zheng, GU Qun, CHEN Qian, DU Jun-zhao (105)

Started in 1986

- ●美国《化学文摘》(CA)源期刊
- ●美国《石油文摘》(PA)源期刊
- ●荷兰Scopus二次文献数据库源期刊
- ●2000年获"首届《CAJ-CD规范》执行优秀奖"
- ●2000年获"陕西省优秀科技期刊一等奖"
- ●2003年获"陕西省科学技术类优秀期刊"
- ●2005年获"陕西省科技期刊学术类优秀奖"
- ●2007年获"陕西省科技期刊学术类优秀奖"
- ●2009年获"陕西省科技期刊学术类优秀奖"
- ●2012年获"陕西省科技期刊特色奖"
- ●2014年获"陕西省学术类优秀期刊奖"
- ●2009年获"中国科技论文在线优秀期刊"
- ●2010年获"中国科技论文在线优秀期刊"
- ●2011年获"中国科技论文在线优秀期刊"

西安石油大学学报(自然科学版)

Xi'an Shiyou Daxue Xuebao

(Ziran Kexue Ban) 双月刊 (1986年创刊)

第30卷 第3期 2015年5月25日出版

Journal of Xi'an Shiyou University

(Natural Science Edition)

Bimonthly(Started in 1986)

Vol.30 No.3 Published on May.25,2015

主管单位:陕西省教育厅 **主办单位**:西安石油大学

编辑出版:《西安石油大学学报》编辑部

主 编: 屈 展

副 主编: 田美娥 张新宝

编 辑: 贺元旦 王 辉 董 瑾

英文编辑: 田美娥

地: 西安市电子二路18号 710065

电 话: (029) 88382326 传 真: (029) 88216407

E - mail: xbzr@xsyu.edu.cn

网 址: http://www.xsdxbzk.com

国内发行:《西安石油大学学报》编辑部

国内定价: ¥25.00

国外发行:中国国际图书贸易总公司(北京399信箱)

国外定价: \$25.00

印刷单位:陕西三合印务有限责任公司

Competent Authorities: the Education Department of Shaanxi Province

Sponsor: Xi'an Shiyou University

Edited and Published by: the Editorial Department of Journal of

Xi'an Shiyou University

Editor-in-chief: QU Zhan

Deputy Editor-in-chief: TIAN Mei-e, ZHANG Xin-bao

Editor: HE Yuan-dan, WANG Hui, DONG Jin

English Editor: TIAN Mei-e

Address: No.18 Second Dianzi Road, Xi'an, Shaanxi, China 710065

Tel:(029) 88382326
Fax: (029) 88216407
E-mail: xbzr@xsyu.edu.cn
URL: http://www.xsdxbzk.com

Distributed at home by: the Editorial Department of Journal of

Xi'an Shiyou University

Price: ¥ 25.00 per Copy

Distributed abroad by: China International Trading Corporation

(Box 399, Beijing)

Price:\$25.00 per Copy

Printed by: Shaanxi Sanhe Printing Co., Ltd.

