

石油工业训练中心科研论文统计表(2017-2021年)

序号	论文或专著名称	作者	刊物、出版社名称	卷、期(或章节)、页	类型
1	Data-driven Modeling of the Methane Adsorption Isotherm on Coal Using Supervised Learning Methods: A Comparative Study	Feng Qihong; Wang Jiaming; Zhang Jiyuan, et al.	Journal of Physics: Conference Series	2021, Volume 1813, Issue 1.	SCI
2	A numerical study of particle migration in porous media during produced water reinjection	Xia T, Feng Q, Wang S, et al.	Journal of Energy Resources Technology	2021, 144(7): 073002.	SCI
3	Pore network modeling of oil and water transport in nanoporous shale with mixed wettability	Zhang W, Feng Q, Wang S, et al	Journal of Petroleum Science and Engineering	2021,109884.	SCI
4	Molecular simulation study of oil-water two-phase fluid transport in shale inorganic nanopores	Zhang W, Feng Q, Jin Z, et al.	Chemical Engineering Science	2021, 245: 116948.	SCI
5	Pore network modeling of oil and water transport in nanoporous shale with mixed wettability	Zhang W, Feng Q, Wang S, et al	Journal of Petroleum Science and Engineering	2021, 109884.	SCI
6	CO ₂ -regulated octane flow in calcite nanopores from molecular perspectives	Zhang Wei; Feng Qihong; WangSen; et al.	Fuel	2021, Volume 286, Issue P2.	SCI
7	Vapor-liquid equilibrium and criticality of CO ₂ and n-heptane in shale organic pores by the Monte Carlo simulation	Xing Xiangdong; Feng Qihong, et al.	Fuel	2021, Volume 299.	SCI
8	Prediction of Conformance Control Performance for Cyclic-Steam-Stimulated Horizontal Well Using the XGBoost: A Case Study in the Chunfeng Heavy Oil Reservoir	Xie Z, Feng Q, Zhang J, et al	Energies	2021,14, 8161.	SCI

9	Geometric Criteria for the Snap - Off of a Non - Wetting Droplet in Pore - Throat Channels With Rectangular Cross - Sections	Cha L., Xie C., Feng Q. and Balhoff, M.	Water Resources Research	2021,57(7), p.eWR 029476.	SCI
10	Sticky layers affect oil transport through the nanopores of realistic shale kerogen	Wang S, Liang Y, Feng Q, et al	Fuel	2021,122480.	SCI
11	Pore-scale numerical prediction of three-phase relative permeability in porous media using the lattice Boltzmann method	Zhu Xiaofei; Wang Sen; Feng Qihong,et al.	International Communications in Heat and Mass Transfer	2021,Volume 126.	SCI
12	Real-time risk assessment of explosion on offshore platform using Bayesian network and CFD	Jiang Shengyu; Chen Guoming; Zhu Yuan; Li Xinhong; Shen Xiaoyu; He Rui	Journal of Loss Prevention in the Process Industries	2021. PP 104518.	SCI
13	The mitigation performance of ventilation on the accident consequences of H2S-containing natural gas release	Yang Dongdong; Chen Guoming,et al.	Process Safety and Environmental Protection	2021,Volume 148.	SCI
14	A sequence-based method for dynamic reliability assessment of MPD systems	Zhu Jingyu; Chen Guoming; Khan Faisal,et al.	Process Safety and Environmental Protection	2021,Volume 146, PP 927-942.	SCI
15	Experimental and Numerical Studies of Insulating Layers Effect on Liquid Pipelines Leakage in Chemical Plants	Fu Jianmin; Chen Guoming; Zheng Xiaoyun,et al.	Process Safety and Environmental Protection	2021,Volume 147.	SCI
16	Design and simulation research of riser flexible hang-off system based on variable damping for drilling platform to avoid typhoon	Wang Zhikun, Zhang Yanting, Wang Ruifeng, ChenJingkai, XuLiangbin, LiuJian,Huang Lumeng	Ocean Engineering	2021,Volume 236.	SCI
17	Molecular insights into carbon dioxide enhanced multi-component shale gas recovery and its sequestration in	Wang Sen; Yao Xinyu; Feng Qihong,et al.	Chemical Engineering Journal	2021,Volume 425.	SCI

	realistic kerogen				
18	A framework for predicting the production performance of unconventional resources using deep learning	Wang Sen; Qin Chaoxu; Feng Qihong,et al.	Applied Energy	2021,Volume 295.	SCI
19	内波环境下中间仓单体收放过程中的管柱力学分析	王荣耀,陈国明,刘伟,等	中国有色金属学报	2021	EI
20	基于井下解码器的 EGS 合采技术	张彦廷,黄峥,张皓,等	中国石油大学学报(自然科学版)	2021,45(3),111-117.	EI
21	浮式钻井补偿绞车方案设计和性能仿真	黄鲁蒙,张彦廷,沈蓉,等	中国石油大学学报(自然科学版)	2021,45(2),120-126.	EI
22	钻井隔水管柔性悬挂系统试验装置设计及仿真研究	王志坤,张彦廷,许亮斌,等	中国海上油气	2021,33(1).	EI
23	双螺杆真空泵的新型椭圆弧型螺杆转子研究	李雪琴,沙润东,李宏鑫,马建民等	真空科学与技术学报	2021 年 1 期:64-67.	核心
24	基于 VOF 方法的水驱油藏孔隙尺度剩余油分布状态研究	魏祥祥,冯其红,张先敏,黄迎松,等	计算物理	2021 年 38(5):573-584.	北大核心
25	井喷事故场景下闸板防喷器剪切能力评估与提升	朱敬宇,陈国明,朱渊,等	中国石油大学学报(自然科学版)	2021 年 45(5):121-127	EI
26	海洋平台含硫化氢天然气泄漏爆炸连锁事故后果动态评估	杨冬冬,陈国明,付建民,等	化工进展	2021 年 40(11):6393-6400.	EI
27	滩海油气管道泄漏风险演化与评估	任乐峰,孟祥坤,陈国明,等	中国安全科学学报	2021 年 31(1)	北大核心
28	风暴灾害下海洋油气工业重大事故演化层次研究	朱高庚,陈国明,张玉飞,等	中国安全科学学报	2021 年 31(7):172-179.	北大核心
29	低渗储层胍胶压裂液交联性能的影响因素及机理探讨	赵博,崔荣龙,张来喜,等	应用化工	2021,50(3) 654-659+664.	北大核心
30	可实现稠油降黏的重油裂解剂的制备及性能研究	赵博,王洋,杨小栋,等	应用化工	2021,50(7)1838-1842.	北大核心
31	磨料水射流加工材料去除机制及影响因素分析	李福来,荆正军,马少华,等	山东化工	2021,50(2).	CSCD
32	A History Matching Framework to Characterize Fracture Network and Reservoir Properties in Tight	Xu Shiqian, Li Yuyao, Zhao Yu, Wang Sen, Feng Qihong	Journal of Energy Resources Technology	2020	SCI

	Oil				
33	Study on the Control Strategies of Offshore Drilling Crown-Block Heave Compensation System With Compound Cylinders	Zhendong LIU , Yanting ZHANG, Xiaoguang YU	IEEE Access	2020	SCI
34	CO ₂ -regulated octane flow in calcite nanopores from molecular perspectives	Zhang Wei, Feng Qihong, Wang Sen	Fuel	2020	SCI
35	Study on the influence of interwell interference on the pattern of hydraulic crack propagation	Bo Zhao, Ju Wang, Nianming Wang	Fresenius Environmental Bulletin	2020, 29(2).	SCI
36	Insight into pore-throat size distribution and the controls on oil saturation of tight sandstone reservoirs using NMR parameters: A case study of the Lower Cretaceous Quantou Formation in the southern Songliao Basin, China	Kelai Xi; Yingchang Cao; Ke Li; Keyu Liu; Rukai Zhu; Beyene Girma Haile	AAPG Bulletin	2020, 104 (11): 2351- 2377.	SCI
37	Genetic mechanisms of Permian Upper Shihezi sandstone reservoirs with multi-stage subsidence and uplift in the Huanghua Depression, Bohai Bay Basin, East China.	Guanghui Yuan, Yingchang Cao, Peipei Sun, Linong Zhou, Wei Li, Lixin Fu, Hongjun Li, Da Lou, Feipeng Zhang.	Marine and Petroleum Geology	2020.8.24	SCI
38	Diagenetic variations with respect to sediment composition and paleo-fluids evolution in conglomerate reservoirs: A case study of the Triassic Baikouquan Formation in Mahu Sag, Junggar Basin, Northwestern China.	Xi Kelai, Cao Yingchang, Haile Girma Beyene, Zhu Ning, Liu Keyu, Wu Songtao, Hellevang Helge	Journal of Petroleum Science and Engineering	2020, 107943	SCI
39	Experimental study of the influence of oil-wet calcite cements on oil migration and	Lin Miruo, Wang Yanzhong, Cao Yingchang, Wang	Marine and Petroleum Geology	2020, 118, 1- 13.	SCI

	implications for elastic reservoirs,	Yongshi, Wang Xuejun, Xi Kelai.			
40	Sources of Ca ²⁺ in the major carbonate cements in Eocene sandstones and conglomerates: Evidence from Sr isotopes, Sr/Ca ratios, and rare-earth elements	Lin Miruo, Wang Yanzhong, Cao Yingchang, Wang Shuping, Xie Qiangwang, Dong Xiuyu	Marine and Petroleum Geology	2020(120).	SCI
41	基于深度卷积生成对抗神经网络预测气窜方向	冯其红,李玉润,王森,等	中国石油大学学报(自然科学版)	2020年4期:20-27.	EI
42	基于动载补偿的隔水管柔性悬挂设计	张彦廷,王志坤,刘振东,等	石油学报	2020年03期:372-378.	EI
43	基于相场方法的孔隙尺度油水两相流体流动模拟	冯其红,赵蕴昌,王森,等	计算物理	2020年3期	核心
44	基于瞬时流场潜力系数的水驱开发效果评价方法	冯其红,李闪闪,黄迎松,等	油气地质与采收率	2020年4期:79-84.	核心
45	天车升沉补偿实验装置控制系统设计与实现	刘振东,张彦廷,刘明宇,等	液压与气动	2020年5期:22-26	北大核心
46	疏松砂岩应力敏感性及对井眼坍塌的影响	赵博,惠江涛,许洋,等	中国科技论文	2020年9期:980-986.	北大核心
47	一种适用于水力裂缝扩展的混合位移不连续单元法	赵博,胡铭寰,武天海,等	大庆石油地质与开发	2020年6期:104-111.	北大核心
48	基于 Monte-Carlo 方法含缺陷管道失效概率计算方法研究	赵博,王学迎,李晓东,等	兵器材料科学与工程	2020,43(2):98-102.	北大核心
49	基于指令化的线上井控训练系统研制	徐建飞,曲本全,苑得鑫,等	承德石油高等专科学校学报	2020年05期:43-46.	CSCD
50	Estimation of CO ₂ Diffusivity in Brine by Use of the Genetic Algorithm and Mixed Kernels-Based Support Vector Machine Model	Feng Q, Cui R, Wang S	Journal of Energy Resources Technology	2019,141.	SCI
51	Optimization of reasonable production pressure drop of multi-stage fractured horizontal wells in tight oil reservoirs	Qihong Feng, Zhe Jiang, Sen Wang, Ge Zhang, Yong Qin	Springer	2019.09.	SCI

52	A 3D multi-mechanistic model for predicting shale gas permeability	Shiqian Xu, Qihong Feng, Sen Wang, Yuyao Li	Journal of Natural Gas Science and Engineering	2019,68.	SCI
53	An integrated workflow for fracture propagation and reservoir simulation in tight oil	Shiqian Xu, Qihong Feng, Yuyao Li, Sen Wang.	Journal of Petroleum Science and Engineering	2019,179.	SCI
54	Identification of sedimentary-diagenetic facies and implications for reservoir quality: evidence from the Eocene coarse-grained deposits in the Dongying Depression, Bohai Bay Basin, China	Wang YanZhong, Cao YingChang., Benben Ma, Kelai Xi, Xin Cheng, Mingshui Song	Geoscience Journal	2019, 23(3): 489-507.	SCI
55	Diagenesis of tight sandstone reservoirs in the Upper Triassic Yanchang Formation, southwestern Ordos Basin, China	Kelai Xi, Yingchang Cao, Keyu Liu, Songtao Wu	Marine and Petroleum Geology	2019, (99) : 548–562.	SCI
56	Competitive adsorption of methane and ethane in montmorillonite nanopores of shale at supercritical conditions: A grand canonical Monte Carlo simulation study	Wang S, Feng Q, Javadpour F	Chemical Engineering Journal	2019,355.	SCI
57	Multiscale random pore network modeling of oil-water two-phase slip flow in shale matrix	R Cui, Q Feng, H Chen, W Zhang, S Wang	Journal of Petroleum Science and Engineering	2019,175.	SCI
58	Oil diffusion in shale nanopores: Insight of molecular dynamics simulation	Wei Zhang, Qihong Feng, Sen Wang, Xiangdong Xing	Journal of Molecular Liquids	2019,290.	SCI
59	Effect of particle size and concentration on the migration behavior in porous media by coupling computational fluid dynamics and discrete element method	Qihong Feng; Luming Cha; Caili Dai; Guang Zhao; Sen Wang.	Powder Technology	2019	SCI

60	Research on the modulation mechanism and rock breaking efficiency of a cuttings waterjet	Wang, Peng; Zhao, Bo; Ni, Hongjian; Li, Zhina; Liu, Yuandong; Chen, Xinyong	Energy Science & Engineering	2019	SCI
61	致密油多级压裂水平井井网参数分级优化	冯其红,徐世乾,任国通,等	石油学报	2019,40(7):830-838.	EI
62	基于扩展有限元的水平井改进拉链式压裂数值模拟	冯其红,李东杰,时贤,等	中国石油大学学报(自然科学版)	2019,43(2):105-112.	EI
63	海洋钻井天车升沉补偿关键结构参数设计	刘振东,张彦廷,陈帅,等	华中科技大学学报(自然科学版)	2019,47(7):108-112.	EI
64	渤海湾盆地冀中坳陷饶阳凹陷沙一下亚段页岩油可动量评价	陈方文,赵红琴,王淑萍,等	石油与天然气地质	2019,40(3):593-601.	EI
65	三腔滑片式真空泵的几何理论与性能研究	陈志凯,李雪琴,李宏鑫,王君,沙润东	真空科学与技术学报	2019	EI
66	中深层砂砾岩储层控制因素与分类评价方法——以东营凹陷永1块沙四下亚段为例	王淑萍,王铸坤,操应长,等	沉积学报	2019,37(5):1069-1078.	国家级
67	天车升沉补偿系统摇摆装置的优化设计	李晓东,张彦廷,刘振东,等	机械设计与制造	2019(8):90-93.	核心
68	滑片式压缩机不对称几何理论的构建与性能研究	陈志凯,李雪琴,崔淑洁,王君,冯浩志	流体机械	2019	中文核心
69	Factors controlling reservoir properties and hydrocarbon accumulation of the Eocene lacustrine beach-bar sandstones in the Dongying Depression, Bohai Bay Basin, China.	Jian Wang, Yingchang Cao, Jie Xiao, Keyu Liu, Mingshui Song.	Marine and Petroleum Geology	2018,99,1-16.	SCI
70	Authigenic minerals related to wettability and their impacts on oil accumulation in tight sandstone reservoirs: An example from the Lower Cretaceous Quantou Formation in the southern	Kelai Xi*, Yingchang Cao*, Keyu Liu*, Jens Jahren, Rukai Zhu, Guanghui Yuan, Helge Hellevang.	Journal of Asian Earth Sciences	2018, online.	SCI

	Songliao Basin, China,				
71	Pore Characteristics of the Fine-Grained Tight Reservoirs in the Yabulai Basin, Northwestern China	Zhang Shaomin, Cao Yingchang*, Jens Jahren, Zhu Rukai, Mao Zhiguo, Xi Kelai, Kashif Muhammad, Helge Hellevang.	Acta Geologica Sinica (English Edition)	2018, 92(3).	SCI
72	Depositional model for lacustrine nearshore subaqueous fans in a rift basin: the eocene shahejie formation, dongying sag, bohai bay basin, china. Sedimentology.	Cao, Y*., Wang, Y., Gluyas, J. G., Liu, H., Liu, H., and Song, M.	Sedimentology	2018	SCI
73	Diagenesis and evolution of the lower Eocene red-bed sandstone reservoirs in the Dongying Depression, China.	Jian Wang*, Yingchang Cao*, Keyu Liu., AlessandraCostanzo , Martin Feely .	Marine and Petroleum Geology,	2018,94, 230-245.	SCI
74	CO2 mineral trapping: the thermodynamic stability of dawsonite at 4.3 Mpa pCO2 and elevated temperatures	Li, F*., Cao, Y., Li, W., et al.	Greenhouse Gases Science and Technology	2018,11, 77-92.	SCI
75	Diagenetic variation at the lamina scale in lacustrine organic-rich shales: Implications for hydrocarbon migration and accumulation	Liang, C*., Cao, Y. *, Liu, K., et al	Geochimica Et Cosmochimica Acta,	2018,229 112-128.	SCI
76	Sedimentological constraints on the initial uplift of the West Bogda Mountains in Mid-Permian.	Jian Wang, Yingchang Cao, Xintong Wang, Keyu Liu, Zhukun Wang, Qisong Xue.	Scientific Reports	2018, 8: 1453.	SCI
77	Factors influencing oil saturation and exploration fairways in the lower Cretaceous Quantou Formation tight sandstones, southern Songliao Basin,	Kelai Xi*, Yingchang Cao*, Keyu Liu, Rukai Zhu.	Energy Exploration & Exploitation,	2018, 36(5): 1061-1085.	SCI

	China.				
78	Genesis and distribution pattern of carbonate cements in lacustrine deep-water gravity-flow sandstone reservoirs in the third member of the Shahejie Formation in the Dongying Sag, Jiyang Depression, Eastern China	Tian Yang(*), Yingchang Cao(*), Henrik Friis, Keyu Liu, Yanzhong Wang, Lingli Zhou, Shaomin Zhang, Huina Zhang	Marine and Petroleum Geology	2018, 92, 547-564.	SCI
79	Origin and evolution processes of hybrid event beds in the Lower Cretaceous of the Lingshan Island, Eastern China.	T. Yang(*), Y. Cao(*), H. Friis, K. Liu and Y. Wang.	Australian Journal of Earth Sciences	2018, 65(4): 517-534.	SCI
80	Diagenetic evolution and chemical changes of deep-water mudstones of Shahejie Formation in the Dongying Sag, Jiyang Depression, Eastern China	Tian Yang(*), Yingchang Cao(*), Henrik Friis, Yanzhong Wang, Lingli Zhou	Marine and Petroleum Geology	2018, 93, 14-32.	SCI
81	Petrography, fluid inclusion, isotope and trace element constraints on the origin of quartz cementation and feldspar dissolution and the associated fluid evolution in arkosic sandstones.	Yuan Guanghui*, Cao, Yingchang, Gluyas Jon, Cao Xu,Zhang, Wenbo.	AAPG Bulletin	2018,102(5): 761-792.	SCI
82	Competitive adsorption of methane and ethane in montmorillonite nanopores of shale at supercritical conditions: A grand canonical Monte Carlo simulation study	王森,冯其红, Farzam Javadpour, 胡钦红,吴克柳	Chemical Engineering Journal	2018,355.	SCI
83	Supercritical Methane Diffusion in Shale Nanopores: Effects of Pressure, Mineral Types, and Moisture Content	王森,冯其红	Energy and Fuels	2018,32(1).	SCI
84	Optimization of multistage fractured horizontal well in tight oil based on embedded	Xu Shiqian,冯其红	Computers and Chemical Engineering	2018,117.	SCI

	discrete fracture model				
85	A meta-optimized hybrid global and local algorithm for well placement optimization	Chen Hongwei,冯其红	Computers and Chemical Engineering	2018,117.	SCI
86	A prediction formula for ratio of injection–production control area in triangle well pattern	Chen Hongwei,冯其红	Journal of Petroleum Exploration and Production Technology	2018,8(1).	SCI
87	Developing a dynamic model for risk analysis under uncertainty: Case of third-party damage on subsea pipelines	陈国明	Journal of Loss Prevention in the Process Industries	2018	SCI
88	STAMP-based analysis of deepwater well control safety	陈国明	Journal of Loss Prevention in the Process Industries	2018	SCI
89	Gas dispersion and deflagration above sea from subsea release and its impact on offshore platform	陈国明	Ocean Engineering	2018	SCI
90	Simulation and assessment of underwater gas release and dispersion from subsea gas pipelines leak	陈国明	Process Safety and Environmental Protection	2018	SCI
91	A quantitative risk analysis model considering uncertain information	陈国明	Process Safety and Environmental Protection	2018	SCI
92	Vented gas explosion overpressure prediction of obstructed cubic chamber by using newly developed Bayesian Regularization Artificial Neuron Network – Bauwens model	陈国明	Journal of Loss Prevention in the Process Industries	2018	SCI

93	深水测试管柱接触非线性力学行为	陈国明	中国石油大学学报(自然科学版)	2018	EI
94	浮式钻井平台天车升沉补偿系统联合仿真研究	刘振东,张彦廷,陈帅,黄鲁蒙,许亮斌,牟新明	液压和气动	2018,9,74-79.	中文核心
95	海洋钻井天车升沉补偿系统不同摇摆装置性能分析	刘振东,张彦廷,黄鲁蒙,陈帅,王康,牟新明	中国石油大学学报(自然科学版)	2018,42,(6).	EI
96	交互式井控仿真实训平台建设与实践	徐建飞,张军,马建民,李雪琴,刘振东	科教文汇	2018,3,56-57.	公开发表
97	喷枪微量润滑冷却在数铣中的应用	赵兴仁	机床与液压	2018,10,143-144.	中文核心
98	新型立式同轴度锥面检具设计	赵兴仁	工具技术	2018,1,41-142.	中文核心
99	液压及密封技术在石油机械中的应用	侯立群	山东工业技术	2018,23,33.	公开发表
100	石油机械的防腐蚀技术	谢长春	山东工业技术	2018,23,39.	公开发表
101	基于电容成像检测技术的带防腐层金属结构缺陷检测	李振,陈国明,谷悦,李晨,殷晓康	装备环境工程	2018,08,1-9.	公开发表
102	基于 MADM 的自升式钻井平台主尺度方案优化	吕涛,陈国明,徐长航,孙宝峰,张楠	海洋工程	2018,04,19-27.	中文核心
103	深水测试管柱接触非线性力学行为	刘康,陈国明,朱敬宇,朱高庚,孟文波	中国石油大学学报(自然科学版)	2018,04,413-149.	EI
104	不完全信息条件下的 FPSO 油气泄漏风险分析	何睿,陈国明,李新宏,沈孝鱼,徐长航	中国安全科学学报	2018,07,64-69.	中文核心
105	深水旋转控制短节关键结构设计与分析	王志伟,陈国明,刘康,张希平,张震宁	石油机械	2018,06,52-57.	公开发表
106	水深对海底管道泄漏水下气体扩散行为的影响研究	李新宏,陈国明,徐长航,朱红卫	中国安全生产科学技术	2018,05,17-22.	中文核心

107	考虑吸附滞后效应的煤层气藏物质平衡方程建立及应用	张先敏,冯其红,张纪远,胡秋嘉,樊彬	煤炭学报	2017(10): 2662-2669.	中文核心
108	基于嵌入离散裂缝的页岩气藏视渗透率模型	冯其红,徐世乾,王森,杨毅,高方方,徐亚娟	地球科学	42 卷第 8 期 1301-1313.	中文核心期刊
109	基于云模型的低渗透油田开发效果综合评价方法	陈红伟,刘淑敏,冯其红,张国兄,巫聪,郭睿	断块油气田	24 卷第 4 期 506-509.	中文核心
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