关于第十四届中国石油工程设计大赛国际赛道晋级总决赛名单的公布

　　第十四届中国石油工程设计大赛国际赛道总决赛将在 2024 年 5 月 18 日举办。现经过大赛专家委员会对提交论文进行认定及评选，选出晋级总决赛的选手及队伍（暂显示队长）共 33 组，信息公示如下：

序号	姓名	论文题目	院校
1	黄柏铃	Apparent permeability model of shale matrix gas based on dynamic pore radius and multiple transport mechanism	重庆科技大学
2	董牧宇	Parameter optimization of hot dry rock heat extraction based on discrete element crack network model	东北石油大学
3	干毕成	Microscopic Kinetic Study on Replacement of Methane Hydrate by Carbon Dioxide	东北石油大学
4	蔡冬蕊	Impact of Water Shield Barrier Effect on Mass Transfer Characteristics of CO2 Flooding Fluid	东北石油大学
5	贾耀崇	Structural design and study on oil-water separation performance of a novel helical flow particle size reconfiguration hydrocyclone (HPRH)	东北石油大学
6	龚新伟	Numerical simulation of shale hydraulic fracture propagation under stress interference of production wells	西南石油大学
7	李茜	Research on Optimization Techniques of Natural Gas Pipeline Network in Shaanxi - Beijing Based on Carbon Emission Analysis	西南石油大学
8	穆树兴	Surrogate model of shale stress based on Plackett-Burman and central composite design	中南大学
9	李佳沐	Study on Micro Mechanism of Emulsified Asphalt for Oil Displacement	中国石油大学（北京）
10	马梦琪	Study on The Cleanup Mechanism of Microemulsion Acid Based on Microfluidic Experiment	中国石油大学（北京）
11	董丽蓉	Study on Microscopic Displacement Effect and Mechanism of Rhamnolipid in Heavy Oil Reservoirs	中国石油大学（北京）
12	刘城名	MOGA-Based Optimization of Carbon Dioxide Displacement and Storage in Low-Permeability Reservoir	中国石油大学（北京）
13	肖俊希	Density-Driven CO2 Dissolution in Depleted Gas Reservoirs with Bottom Aquifers	中国石油大学（北京）
14	骆晨	Catalytic role of various clay minerals	中国石油大学（北

		during the thermal reaction process with oxidized and pyrolyzed oils	京）
15	白文鹏	A transient production prediction method for tight condensate gas wells with multiphase flow	中国石油大学（北京）
16	丁甲磊	Experimental Investigations of CO2 flooding in tight conglomerate oil reservoir using nuclear magnetic resonance (NMR) technology	中国石油大学（北京）
17	冯嘉怡	A new empirical correlation of MMP prediction for oil – impure CO2 systems	中国石油大学（北京）
18	孙照伟	Research and Application of ROP Enhancing Technology with Axialtorsional Coupled Percussion in Tight Shale Drilling	中国石油大学（北京）
19	张安迪	Design of gasoline octane number optimization system	中国石油大学（北京）
20	刘铭骞	Investigation into the Application of Supercritical CO2 in Energized Fracturing Processes and the Optimization of Injection Parameters	中国石油大学（北京）
21	沐华艳	Prediction of ROP-increasement effect by drilling fluid based on GS-XGBoost	中国石油大学（北京）
22	胡忠宇	Intelligent Detection and Evaluation of Fracture Propagation Modes Based on Pressure Curve during the Whole Process of Fracturing	中国石油大学（北京）
23	王雅晶	Evaluation indices for the filtration effectiveness of pump-stop water hammer signal in field cases	中国石油大学（北京）
24	王雅晶	Oscillation times in water hammer signatures: new insights for the evaluation of diversion effectiveness in field cases	中国石油大学（北京）
25	袁璐	Research on the Tribological Properties of Laser Cladding TitaniumBased Composite Coatings on Mixed-Flow Pump Impeller Blades	中国民航大学
26	张佳炜	Study on the Friction Performance of Laser Cladded Iron-Based Composite Coatings on Stainless Steel Valves	中国民航大学
27	Harith F. Al-Khafaji	Integrating Numerical Simulation and Machine Learning in Investigating the	中国地质大学（武汉）

		Effectiveness of Miscible CO2-Flooding in Low-Permeability Reservoir	
28	Kaloucha Kanga Nsiama	Medium and High-Temperature self-hydrolysable granular hydrogels as temporary plugging and diverting agent for hydrocarbon reservoir re-fracturing operations	中国地质大学（武汉）
29	Prince Duah	Optimization of Carbon Storage Efficiency in the Deep Saline Navajo Formation in Gordon Creek Field Effects of Injection Strategies	中国地质大学（武汉）
30	高旭东	Lithology identification in complex reservoir based on seven machine learning algorithm--- A comparative study in Niuxintuo oilfield, north China	中国地质大学（武汉）
31	FaustoBelisio Ugembe	Conceptual Study of the Influence Factor Analysis and Project Design of Enhanced Oil Recovery by CO2 Flooding in Tight Oil Reservoirs	中国地质大学（武汉）
32	林磊	Rich Geological Features Are All You Need: Seismic Structure Identification Based on Deep Learning in the Context of Complex Geological Backgrounds	中国地质大学（武汉）
33	Christopher N. Mkono	Machine Learning and Geochemical Analysis for Enhanced Source Rock Characterization and Hydrocarbon Potential	中国地质大学（武汉）

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