



## Khalid Elyas Mohamed Elameen Alkhidir

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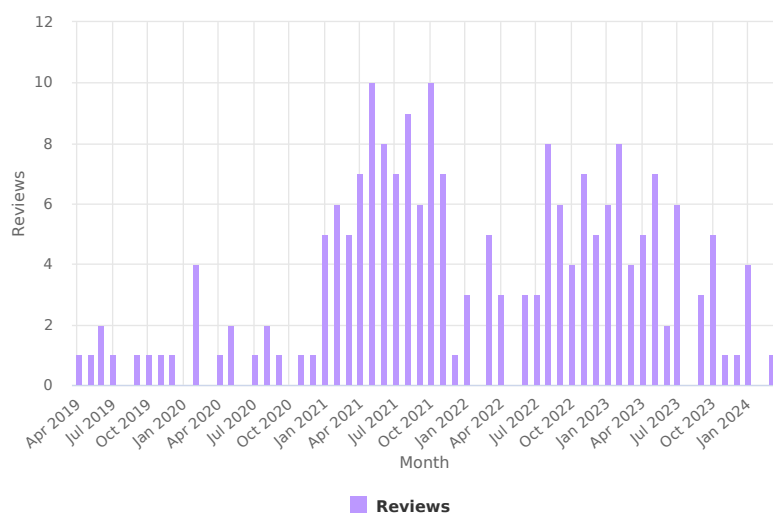
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- King Saud University ( KSU), college of Engineering from 2010

### Verified Reviews

### Review Summary



### Reviewer Summary

For manuscripts reviewed from date range January 2015 - March 2024

(158) Journal of Petroleum Explorati...

(59) Journal of Petroleum Science a...

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### 222 REVIEWS OF 213 MANUSCRIPTS

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Gaidai Reliability Method for FPSO/LNG Mooring System Lifetime Assessments  
Reviewed: Mar 2024 for Journal of Petroleum Exploration and Production Technology

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3D Shear Wave Velocity Volume Prediction Using Integration of Post-stack Seismic Attributes and Well-logging Data

Reviewed: Jan 2024 for Journal of Petroleum Exploration and Production Technology

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Mechanical and energetic properties of rock-like specimens under water-stress coupling environment

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Longshore Changes in the Microfacies and Distribution of Clastic Barrier Coastal Sandbodies: a Case from the Benxi Formation in the Ordos Basin, China

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Performance of multistage-fractured horizontal wells with secondary discrete fractures in heterogeneous tight reservoirs

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Determination and Distribution of Overburden, Pore, and Fracture Pressures for Shaly Layers in Mishrif Formation for Southern Iraq Oil Fields Using Wireline Logs Methods

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Multiscale dilated denoising convolution with channel attention mechanism for micro-seismic signal denoising

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Predicting Fluid Flow in Fractured Reservoirs By Application of Lacunarity Analysis of Natural Fracture Networks

Reviewed: Oct 2023 for Journal of Petroleum Exploration and Production Technology

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Geochemical evaluation and source rock zonation by multi-layer perceptron neural network technique: a case study for Pabdeh and Gurpi Formations-North Dezful Embayment (SW Iran)

Reviewed: Oct 2023 for Journal of Petroleum Exploration and Production Technology

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Vertical height growth mechanism of hydraulic fractures in laminated shale oil reservoirs based on 3D discrete lattice modeling

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Characteristics of cuttings migration with new cuttings removal device in horizontal well

Reviewed: Sep 2023 for Geoenergy Science and Engineering

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Research on Gas Channeling Law of CO<sub>2</sub> Flooding in Ultra Low Permeability Multilayer Reservoir

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Analysis Fractures in the Reservoir Rock in the Karanj Oil Field (SW Iran) (Case Study: Wells No.37 and 41 )

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Prediction of wellbore sand production potential from analysis of petrophysical data coupled with field stress: a case study from the Shah-Deniz gas field (Caspian Sea Basin)

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Numerical Study on Enhanced Heat Transfer of Downhole SlottedType Heaters for In Situ Oil Shale Exploitation

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Effects of inorganic CO<sub>2</sub> intrusion on diagenesis and reservoir quality of lacustrine conglomerate sandstones: Implications for geological carbon sequestration

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Screening Criteria and Experimental Investigation for Enhanced Oil Recovery at Umm Niqa Oil Field in Kuwait

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Applicability of sawdust as a green additive to improve the rheological and filtration properties of water-based drilling fluid: an experimental investigation

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Estimation of porosity and volume of shale using artificial intelligence, case study of Kashafrud Gas Reservoir, NE Iran

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A new approach to predict carbonate lithology from well logs: A case study of the Kometan formation in northern Iraq

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Integrated Seismic, Petrophysical, and Geochemical Studies for Evaluating Elements of the Petroleum System in Karama Oil Field, North Western Desert, Egypt

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Finite element simulation of formation testing while drilling accounting for thermal-hydro-mechanical coupling

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Research on comprehensive evaluation of shale oil reservoir quality

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The effect of high-temperature environment on the rheology and filtration properties of *Rhizophora* spp. tannin-lignosulfonate as bio-based additive in water-based drilling fluid  
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Diagenetic Evolution and Reservoir Quality of the Oligocene Sandstones in the Baiyun Sag, Pearl River Mouth Basin, South China Sea

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Comparison of Surface and Subsurface Reservoir (Sakesar Limestone) Properties: A Case Study from Fimkassar Oil Field, Pakistan

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Multiscale Dilated Denoising Convolution with Channel Attention Mechanism for Micro-seismic Signal Denoising

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Experimental evaluation of the water-based enhanced oil recovery methods in ultra-tight reservoirs

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Application of Image Processing in Evaluation of Hydraulic Fracturing with Liquid Nitrogen: A Case Study of Coal Samples from Karaganda Basin

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Coupled Hydro-mechanical Simulation in the Carbonate Reservoir of a Giant Oil Field in Southwest Iran

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Research on seismic hydrocarbon prediction based on a self-attention semi-supervised model

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An algorithm to improve magnetic ranging accuracy for cluster horizontal wells with narrow spacings

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Organic and Inorganic Geochemical Investigation of the Silurian Shale of Qusaiba Formation, Tayma Basin, Northwestern Saudi Arabia: Implications for Oxidation and Leaching of Organic Matter

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Enhancement of CO<sub>2</sub> viscosity prediction using advanced intelligent methods: Application to carbon capture and storage

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Coupled hydro-mechanical simulation in the carbonate reservoir of a giant oil field in southwest Iran

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Development of predictive optimization model for autonomous rotary drilling system using machine learning approach

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Advances in critical temperature shift modeling of confined pure fluids using the Kihara potential function

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Analysis the influence factors on morphology of fracture and the fracture width in the glutenite reservoir

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Automatic Interpretation of Oil and Gas Well Cement Evaluation Logs Using Fuzzy Convolutional Neural Networks in Parallel

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Integrated Petrophysical Evaluation for Heterolithic Thin-Bedded Sand-Shale Reservoir Offshore Malay Basin, Malaysia

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Reservoir Quality of the Incised-valley Transgressive Sandstones: A Case Study of the Messinian Incision, Nile Delta Basin, Egypt

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Geophysical Assessment of Basement Rocks for Use as an Unconventional Reservoir in the Rabeh East Oil Field, Southern Gulf of Suez Basin

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Influence of Interlayer on Steam Chamber Growth of Cyclic Steam Stimulation

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Drilling-vibration response characteristics of rocks based on Hilbert-Huang transform

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Lower limit of effective reservoir physical properties and controlling factors of medium-deep clastic reservoirs: a case study of the Dawangzhuang area in Raoyang sag, Bohai Bay Basin  
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Effect of Salt Concentration on Oil Recovery during Polymer Flooding: Simulation Studies on Xanthan Gum and Gum Arabic  
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Diagenetic Mineralization and Stratal Terminations Related to Surfaces and Depositional Systems of Sequence Stratigraphic Relevance  
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Wavefield Separation Using the F- $\xi$  Domain Radon Transform for Vertical Seismic Profiling Data  
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Effect of Single Straight, Intersecting and T-shaped Natural Fractures on Horizontal Wellbore Stability in Shale Reservoirs  
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A Model for Early Detection of Stuck Pipe Using Random Forest Algorithm  
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Cutting mechanism of a special 3D concave-shaped PDC cutter applicable to the Weiyuan shale  
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Chlorite characterization and diagenetic evolution as primary controls on Zhuhai Formation sandstone reservoir quality in Zhu-III sag, Pearl River Mouth Basin, south China sea  
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A Scientometric Review on Imbibition in Unconventional Reservoir: A Decade of Review from 2010 to 2021  
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Simulation of water self-imbibition in nanometer throat-pore structure filled with oil  
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Impacts of mineralogy and pore throat structure on the movable fluid of tight sandstone gas reservoirs in coal measure strata: A case study of the Shanxi formation along the southeastern margin of the Ordos Basin  
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The Influence of the Sweeping Regime Properties on the Cuttings Bed Volume in the Horizontal Annular Channel  
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Acoustic Characteristics of Nubia Sandstone at Gebel Abu Hasswa, Gulf of Suez, Egypt  
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Automatic Interpretation of Oil and Gas Well Cement Evaluation Logs Using Fuzzy Convolutional Neural Networks  
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Electro-facies classification based on core and well-log data  
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Evaluation of the Rock Mechanical Properties of Shale Oil Reservoirs: A Case Study of Permian Lucaogou Formation in the Jimusar Sag, Junggar Basin

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Role of salinity concomitant with asphaltene and resin on the interfacial tension of ionic liquid from imidazolium family

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Mineralogy, provenance, diagenesis and reservoir quality of the sandstones from the southern Bredasdorp Basin, Offshore South Africa

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Study on Distribution and Evolution Characteristics of Cenozoic Formation Abnormal Pressure in Yuxi Basin

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Low Permeability Gas-Bearing Sandstone Reservoirs Characterization from Geophysical Well Logging Data: A Case Study of Pinghu Formation in KQT Region, East China Sea

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Evaluation of the rock mechanical properties of shale oil reservoirs in Permian Lucaogou Formation of Junggar Basin

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Assessment of the petrophysical properties and hydrocarbon potential of the Lower Miocene Nukhul Formation in the Abu Rudeis-Sidri Field, Gulf of Suez Basin, Egypt

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Geophysical assessment of Abu Roash G reservoir in Heba Field, Abu Gharadig Basin, Egypt

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Automatic detection of fractures in hydrocarbon reservoirs using the Hough transform algorithm in one of the Persian Gulf oil fields

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Geochemistry and organic petrology of the bituminite shales from the Kapurdi mine, Rajasthan of NW India: implications for waxy oil generation potential

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Productivity Index Prediction for Multi-lateral Oil Horizontal Wells Using Machine Learning Techniques

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Detecting porosity types of some reservoir rocks at South-Ghara oil field using petrographic description, Gulf of Suez region, Egypt

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Petrophysical Characterization of shaly intervals in the heterogeneous reservoirs. A case study of the Cenomanian rocks in the GPY oil Field-Abu Sennan Concession-Northwestern Desert-Egypt

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A new empirical model for predicting flue gas miscibility for light oils

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Influence of Aspect Ratio on Wave Propagation in Granular Crystals Consisting of Ellipse-Shaped Particles

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Detection of potential hydrocarbon micro-seepage accumulations along radioactive profiles in the Syrian Desert Area (Area-1) Syria, using the airborne gamma-ray spectrometry technique  
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Effect of produced carbon dioxide on multiphase fluid flow modeling of carbonate acidizing  
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Effect of CO<sub>2</sub> Huff-and-Puff Rounds on Crude Oil Properties  
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Case Studies and Statistical Analysis of ESP Failures in Oil Production Wells  
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Development of an effective completion schedule for a petroleum reservoir with strong aquifer to control water production  
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Review of the productivity evaluation methods for shale gas wells  
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Effect of CO<sub>2</sub> on the interfacial tension and swelling of crude oil during carbonated water flooding  
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XFEM modeling of the effect of in-situ stresses on hydraulic fracture characteristics and comparison with KGD and PKN models  
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Simulation for converting of two phase of water in complex container with finite element approach  
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Experimental study on CO<sub>2</sub> capture by using n-butylamine to plug the gas channeling to enhanced oil recovery  
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Gravity displacement gas kick law in fractured carbonate formation  
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Research on In-situ Stress Constraint Modeling Method for Unconventional Tight Sandstone Reservoir  
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Cephy: a stand-alone, free and open-source toolkit for hydrocarbon in place evaluation by ordinary kriging  
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The maturity of Silurian Longmaxi shale in Jiaoshiba, Sichuan Basin: as revealed by laser Raman spectroscopy  
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Feasibility study formulation for the applicability of rigless temporary ESPs  
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Geomechanical log responses and identification of fractures in tight sandstone, West Sichuan Xinchang Gas Field  
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Source rock geochemistry of central and northwestern Niger Delta: Inference from aromatic hydrocarbons content

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Geochemistry and Organic Petrology of the Bituminite Shales from the Kapurdi Mine, Rajasthan of NW India: Implications for Waxy Oil Generation Potential for Waxy Oil Generation

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Facies Delineation and Depositional Rock Typing of the Abu Roash G Reservoir in West of Nile-X Field, Beni-Suef Basin, Western Desert, Egypt

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Hydrocarbon prospectivity of the miocene-pliocene clastic reservoirs, Northern Taranaki basin, New Zealand: integration of petrographic and geophysical studies

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Nanotechnology applied to the inhibition and remediation of formation damage by fines migration and deposition: A comprehensive review

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Uncertainty handling in wellbore trajectory design: a modified cellular spotted hyena optimizer-based approach

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Biomarkers geochemistry of the Alpagut oil shale sequence: an evaluation of dispositional environments and source rock potential from Dodurga-corum basin (N-Turkey)

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Significance of petroleum seepages in hydrocarbon exploration-case study of Khourian Desert, Central Iran

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Investigation on esterified pectin as natural hydrate inhibitor on methane hydrate formation

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Integrated fracture characterization of Asmari reservoir in Haftkel field

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Characteristics of multiple dolomitizing fluids and the genetic mechanism of dolomite formation in the Permian Qixia Formation, NW Sichuan Basin

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Removal of Intra-Array Statics in Seismic Arrays Due to Variable Topography and Positioning Errors: Case Study in Eastern Saudi Arabia

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Oil and gas accumulation periods and charging path of continental lake basin: A case study of the Chang 9-Chang 10 oil reservoir in the Yanchang formation in the Ordos Basin

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Critical Review on Sedimentation and Diagenesis Characteristics Dominating Recovery Mechanisms for Tight Sandstone Reservoirs in Ordos Basin, China

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The accumulation model of organic matters for the Niutitang Formation shale and its control on the pore structure: a case study from Northern Guizhou

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Determination of clay minerals using gamma ray spectroscopy for the Zubair Formation in Southern Iraq

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Review of metering and gas measurements in high-volume shale gas wells

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Geostatic modeling of the clastic reservoir: a case study the Late Cenomanian Abu Roash G Member, Hamra Field, Abu Gharadig Basin, Western Desert, Egypt

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Constraining tectonic components during a geomechanics-aided successful hydrofracturing campaign of tight gas exploration field

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Investigating the effect of TiO<sub>2</sub>-based nanofluids in the stability of crude oil flow: parametric analysis and Gaussian process regression modeling

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A study of health management of LWD tool based on data-driven and model-driven

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Basin and petroleum system analysis in the southeastern Persian Gulf basin: a 2D basin modeling approach

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A comprehensive review on the significant tools of asphaltene investigation. Analysis and characterization techniques and computational methods

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A new derivative-based method for determination of bubble point pressure of hydrocarbon systems

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Rheological characterization of potassium carbonate deep eutectic solvent (DES) based drilling mud

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Random noise suppression and super-resolution reconstruction algorithm of seismic profile based on GAN

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Spatial assessment of gross vertical reservoir heterogeneity using geostatistics and GIS-based machine-learning classifiers: A case study from the Zubair Formation, Rumaila oil field, southern Iraq

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Clay Minerals Migration of Injecting Water Development in Low Permeability Sandstone Reservoir By X-ray Diffraction and Scanning Electron Microscopy

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Biomarkers, stable carbon isotope, and trace element distribution of source rocks in the Orange Basin, South Africa: implications for paleoenvironmental reconstruction, provenance, and tectonic setting

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3D geo-cellular modeling for Oligocene reservoirs: a marginal field in offshore Vietnam

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Hydrocarbon source rock assessment of the shale and coal bearing horizons of the Early Paleocene Hangu Formation in Kala-Chitta Range, Northwest Pakistan

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Classification evaluation method for Chang 7 oil group of Yanchang formation in Ordos Basin

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Static reservoir modeling using stochastic method: a case study of the cretaceous sequence of Gamtoos Basin, Offshore, South Africa

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Classification and evaluation of tight sandstone reservoirs based on diagenetic facies: a case study on Chang 6 reservoir in the center-west Ordos Basin

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The Fourier transform infrared spectroscopy (FTIR) analysis for the clay mineralogy studies in a clastic reservoir

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Research on Hydrocarbon Potentials of the Ameki Formation Sediments Exposed at Eket Spring, Owerichukwuemeka Spring and Ogbanelu Spring in Southeast Nigeria

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Geologically based integrated approach for zonation of a Late Jurassic-Early Cretaceous carbonate reservoir; a case from Persian Gulf

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Characterization and geostatistical modeling of reservoirs in 'Falad' field, Niger Delta, Nigeria

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Experimental investigation on reservoir damage caused by clay minerals after water injection in low permeability sandstone reservoirs

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Geochemistry and petrology of selected sediments from Bukit Song, Miri, Sarawak, Malaysia, with emphasis on organic matter characterization

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Evaluation of 3D seismic survey design parameters through ray-trace modeling and seismic illumination studies: a case study

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Influence of source rock properties and mineralogical variations on shale porosity of the samples from Cambay and Krishna-Godavari sedimentary basins, India

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Geologic mapping and basement-sediment contact delineation along Profile X, Igarra-Auchi area, Southern Nigeria using ground magnetic and electromagnetic methods

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Investigation of the influence of gas fracturing on fracturing characteristics of coal mass and gas extraction efficiency based on a multi-physical field model

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Geochemical investigation of hydrocarbon generation potential of coal from Raniganj Basin, India

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Petrophysical and petrographic characteristics of Barail Sandstone of the Surma Basin, Bangladesh

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Exploring the coupling relationship between hydrocarbon generation of continental shale and nanopore structure evolution-A case study of Shahejie formation in Bohai Bay Basin

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3D mechanical earth model for optimized wellbore stability, a case study from South of Iraq

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Geologic mapping and basement-sediment contact delineation along Profile X, Igarra-Auchi area, Southern Nigeria using ground magnetic and electromagnetic methods

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Insight on the inhibitive property of potassium ion on the stability of shale: a diffuse double-layer thickness ( $\kappa^{-1}$ ) perspective

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Paleogene lake deep water sedimentary facies in the northern zone of the Chezhen Sag, Bohai Bay Basin, China

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A technique to identify the predominant pore direction in a porous medium and application to reservoir rocks

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Integrated characterization of the fracture network in fractured shale gas Reservoirs-Stochastic fracture modeling, simulation and assisted history matching

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Pore Modification Mechanisms in a Deeply Buried Non-marine Sandstone: The Early Cretaceous Upper Sarir Sandstone Formation, Sirte Basin, Libya

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Impact of karstification in trapping mechanisms of CO<sub>2</sub> storage

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Geochemical characteristics and genetic families of crude oil in DWQ oilfield, Kuqa Depression, NW China

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CO<sub>2</sub> storage capacity estimation under geological uncertainty using 3-D geological modeling of unconventional reservoir rocks in Shahejie Formation, block Nv32, China

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Multi-fractal characteristics of pore structure for coal during the refined upgrading degassing temperatures

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Effects of transpression on the rocks exposed at the Jhelum Fault Zone in the east of Potwar Basin, Pakistan: implications on the subsurface deformation pattern

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Role of viscous, diffusion and inertial mechanisms in modeling fluid flow through unconventional reservoir

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Smectite illitization of the Talhar shale, Lower Goru Formation, Southern Indus Basin, Pakistan

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Rock analysis to characterize Saudi soft sandstone rock

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Fractured reservoir distribution characterization using folding mechanism analysis and patterns recognition in the Tabnak hydrocarbon reservoir anticline

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Well logging data interpretation for appraising the performance of Alam El-Bueib reservoir in Safir Oil Field, Shushan Basin, Egypt

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Seismic expression of miocene carbonate platform and reservoir characterization through geophysical approach: application in central Luconia, offshore Malaysia

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