Wood,david A

List of Publications by Year
in descending order

229 papers	10,670 citations	50276 46 h-index	37204 96 g-index
266 all docs	266 docs citations	266 times ranked	7398 citing authors

#	Article	IF	Citations
1	Predicting shear wave velocity from conventional well logs with deep and hybrid machine learning algorithms. Journal of Petroleum Exploration and Production, 2023, 13, 19-42.	2.4	22
2	Feasibility stage screening for sustainable energy alternatives with a fuzzy multi-criteria decision analysis protocol. Modeling Earth Systems and Environment, 2022, 8, 1047-1086.	3.4	2
3	Reservoir Formation Damage; Reasons and Mitigation: A Case Study of the Cambrianâ€“Ordovician Nubian â€˜Câ€™ Sandstone Gas and Oil Reservoir from the Gulf of Suez Rift Basin. Arabian Journal for Science and Engineering, 2022, 47, 11279-11296.	3.0	21
4	Assessing the sustainability of potential gas hydrate exploitation projects by integrating commercial, environmental, social and technical considerations. , 2022, , 301-343.		1
5	Pore-scale characterization and fractal analysis for gas migration mechanisms in shale gas reservoirs. , 2022, , 1-27.		0
6	Natural gas demand prediction: Methods, time horizons, geographical scopes, sustainability issues, and scenarios. , 2022, , 29-53.		2
7	Gas adsorption and reserve estimation for conventional and unconventional gas resources. , 2022, , 345-382.		23
8	Sustainability challenges for the upstream sectors of the natural gas industry. , 2022, , 349-378.		0
9	Integrated microfacies interpretations of large natural gas reservoirs combining qualitative and quantitative image analysis. , 2022, , 93-127.		0
10	Coal-bed methane reservoir characterization using well-log data. , 2022, , 243-274.		5
11	Dataset insight and variable influences established using correlations, regressions, and transparent customized formula optimization. , 2022, , 383-408.		1
12	Machine learning to improve natural gas reservoir simulations. , 2022, , 55-82.		1
13	Carbon-nanotube-polymer nanocomposites enable wellbore cements to better inhibit gas migration and enhance sustainability of natural gas reservoirs. , 2022, , 243-268.		4
14	Assessing the brittleness and total organic carbon of shale formations and their role in identifying optimum zones to fracture stimulate. , 2022, , 129-157.		1
15	Shale kerogen kinetics from multiheating rate pyrolysis modeling with geological time-scale perspectives for petroleum generation. , 2022, , 159-195.		0
16	Trend decomposition aids short-term countrywide wind capacity factor forecasting with machine and deep learning methods. Energy Conversion and Management, 2022, 253, 115189.	9.2	5
17	Local integrated air quality predictions from meteorology (2015 to 2020) with machine and deep learning assisted by data mining. , 2022, 2, 100002.		5
18	Gamma-ray log derivative and volatility attributes assist facies characterization in clastic sedimentary sequences for formulaic and machine learning analysis. Advances in Geo-Energy Research, 2022, 6, 69-85.	6.0	17

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19	Nanoparticle applications as beneficial oil and gas drilling fluid additives: A review. Journal of Molecular Liquids, 2022, 352, 118725.	4.9	58
20	Trend decomposition aids forecasts of air particulate matter (PM2.5) assisted by machine and deep learning without recourse to exogenous data. Atmospheric Pollution Research, 2022, 13, 101352.	3.8	13
21	The Effect of Subcutaneous Dexamethasone to Reduce Edema and Ecchymosis in Rhinoplasty Patients. International Journal of Otolaryngology, 2022, 2022, 1-7.	0.9	0
22	Near-term, national solar capacity factor forecasts aided by trend attributes and artificial intelligence. International Journal of Energy and Environmental Engineering, 2022, 13, 1129-1146.	2.5	1
23	Machine learning and data-driven prediction of pore pressure from geophysical logs: A case study for the Mangahewa gas field, New Zealand. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 1799-1809.	8.1	23
24	Carbon Dioxide Applications for Enhanced Oil Recovery Assisted by Nanoparticles: Recent Developments. ACS Omega, 2022, 7, 9984-9994.	3.5	50
25	Graphical approach for estimating and minimizing boil-off gas and compression energy consumption in LNG regasification terminals. Journal of Natural Gas Science and Engineering, 2022, 101, 104539.	4.4	7
26	Permeability prediction of heterogeneous carbonate gas condensate reservoirs applying group method of data handling. Marine and Petroleum Geology, 2022, 139, 105597.	3.3	17
27	Net ecosystem exchange comparative analysis of the relative influence of recorded variables in well monitored ecosystems. Ecological Complexity, 2022, 50, 100998.	2.9	4
28	Real-time porosity prediction using gas-while-drilling data and machine learning with reservoir associated gas: Case study for Hassi Messaoud field, Algeria. Marine and Petroleum Geology, 2022, 140, 105631.	3.3	6
29	Effective prediction of lost circulation from multiple drilling variables: a class imbalance problem for machine and deep learning algorithms. Journal of Petroleum Exploration and Production, 2022, 12, 83-98.	2.4	7
30	Impact of Particle Crush-Size and Weight on Rock-Eval S2, S4, and Kinetics of Shales. Journal of Earth Science (Wuhan, China), 2022, 33, 513-524.	3.2	5
31	Tree-Based Ensemble Algorithms for Lithofacies Classification and Permeability Prediction in Heterogeneous Carbonate Reservoirs. , 2022, , .		7
32	Machine Learning and Regression Analysis Reveal Different Patterns of Influence on Net Ecosystem Exchange at Two Conifer Woodland Sites. Research in Ecology, 2022, 4, 24.	0.3	2
33	Biodiesel from microalgae. , 2022, , 417-438.		1
34	Grayscale image statistics of COVIDâ€19 patient CT scans characterize lung condition with machine and deep learning. Chronic Diseases and Translational Medicine, 2022, 8, 191-206.	1.2	1
35	Robust computational approach to determine the safe mud weight window using well-log data from a large gas reservoir. Marine and Petroleum Geology, 2022, 142, 105772.	3.3	22
36	Experimental and field applications of nanotechnology for enhanced oil recovery purposes: A review. Fuel, 2022, 324, 124669.	6.4	59

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37	Carbonate / siliciclastic lithofacies classification aided by well-log derivative, volatility and sequence boundary attributes combined with machine learning. Earth Science Informatics, 2022, 15, 1699-1721.	3.2	8
38	Optimized machine learning models for natural fractures prediction using conventional well logs. Fuel, 2022, 326, 124952.	6.4	22
39	Brittleness index predictions from Lower Barnett Shale well-log data applying an optimized data matching algorithm at various sampling densities. Geoscience Frontiers, 2021, 12, 101087.	8.4	16
40	Predicting saturated vapor pressure of LNG from density and temperature data with a view to improving tank pressure management. Petroleum, 2021, 7, 91-101.	2.8	8
41	Applying ultrasonic fields to separate water contained in medium-gravity crude oil emulsions and determining crude oil adhesion coefficients. Ultrasonics Sonochemistry, 2021, 70, 105303.	8.2	38
42	New insights to direct conversion of wet microalgae impregnated with ethanol to biodiesel exploiting extraction with supercritical carbon dioxide. Fuel, 2021, 285, 119199.	6.4	37
43	A geomechanical approach to casing collapse prediction in oil and gas wells aided by machine learning. Journal of Petroleum Science and Engineering, 2021, 196, 107811.	4.2	54
44	Hybrid machine learning algorithms to enhance lost-circulation prediction and management in the Marun oil field. Journal of Petroleum Science and Engineering, 2021, 198, 108125.	4.2	41
45	UTASTAR method and its application in multi-criteria warehouse location selection. Operations Management Research, 2021, 14, 202-215.	8.5	19
46	Large-scale molecular solvents for environmentally sustainable applications. , 2021, , 267-282.		2
47	Sustainable approach in biocatalytic preparation of antibiotic peptide. , 2021, , 345-367.		1
48	Water, the most accessible eco-friendly solvent, and extraction and separation agent. , 2021, , 283-292.		1
49	The role of supercritical carbon dioxide for recovery of shale gas and sequestration in gas shale reservoirs. Energy and Environmental Science, 2021, 14, 4203-4227.	30.8	84
50	Prediction and data mining of burned areas of forest fires: Optimized data matching and mining algorithm provides valuable insight. Artificial Intelligence in Agriculture, 2021, 5, 24-42.	6.0	12
51	Experimental and Fractal Characterization of the Microstructure of Shales from Sichuan Basin, China. Energy & Fuels, 2021, 35, 3899-3914.	5.1	25
52	Auto-characterization of naturally fractured reservoirs drilled by horizontal well using multi-output least squares support vector regression. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	36
53	Insights into colloidal membrane fouling mechanisms for nanofiltration of surface water using single and hybrid membrane processes. Polymers for Advanced Technologies, 2021, 32, 2517-2530.	3.2	7
54	Prediction of oil flow rate through orifice flow meters: Optimized machine-learning techniques. Measurement: Journal of the International Measurement Confederation, 2021, 174, 108943.	5.0	30

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55	Predicting Formation Pore-Pressure from Well-Log Data with Hybrid Machine-Learning Optimization Algorithms. Natural Resources Research, 2021, 30, 3455-3481.	4.7	27
56	Astronomical forcing variations of the Upper Dalan Member (Late Permian) in the South Pars gas field, Persian Gulf, Iran. Journal of Asian Earth Sciences, 2021, 209, 104689.	2.3	3
57	Techniques used to calculate shale fractal dimensions involve uncertainties and imprecisions that require more careful consideration. Advances in Geo-Energy Research, 2021, 5, 153-165.	6.0	35
58	Net ecosystem carbon exchange prediction and insightful data mining with an optimized data-matching algorithm. Ecological Indicators, 2021, 124, 107426.	6.3	17
59	Global natural gas demand to 2025: A learning scenario development model. Energy, 2021, 224, 120167.	8.8	25
60	Estimating Organic-Rich Shale Fractal Dimensions from Gas Adsorption Isotherms: Combining Different Methods Leads to More Reliable Values and Insight. Natural Resources Research, 2021, 30, 3551-3574.	4.7	11
61	Microalgae to biodiesel - Review of recent progress. Bioresource Technology Reports, 2021, 14, 100665.	2.7	10
62	Geomechanical modeling using the depth-of-damage approach to achieve successful underbalanced drilling in the Gulf of Suez rift basin. Journal of Petroleum Science and Engineering, 2021, 202, 108311.	4.2	57
63	Determination of bubble point pressure & oil formation volume factor of crude oils applying multiple hidden layers extreme learning machine algorithms. Journal of Petroleum Science and Engineering, 2021, 202, 108425.	4.2	37
64	The application of deep learning algorithms to classify subsurface drilling lost circulation severity in large oil field datasets. SN Applied Sciences, 2021, 3, 1.	2.9	12
65	Deriving coal fractal dimensions from low-pressure nitrogen adsorption isotherms applying an integrated method. Applied Geochemistry, 2021, 131, 105042.	3.0	10
66	Pore Properties in Organic-Rich Shales Derived Using Multiple Fractal Determination Models Applied to Two Indian Permian Basins. Energy & Fuels, 2021, 35, 14618-14633.	5.1	6
67	Transformation of associated natural gas into valuable products to avoid gas wastage in the form of flaring. Journal of Natural Gas Science and Engineering, 2021, 94, 104078.	4.4	18
68	Hybrid machine learning algorithms to predict condensate viscosity in the near wellbore regions of gas condensate reservoirs. Journal of Natural Gas Science and Engineering, 2021, 95, 104210.	4.4	23
69	Ionic liquids and their beneficial contributions to enzyme-catalyzed reactions, catalytic biomass conversion and energy conversion and storage systems. , 2021, , 369-407.		2
70	Applications of supercritical fluids in environmental remediation. , 2021, , 257-265.		0
71	Hydrocarbon generation and kinetics: A case study of Permian shales, India. Journal of Asian Earth Sciences, 2021, 222, 104960.	2.3	8
72	Prediction performance advantages of deep machine learning algorithms for two-phase flow rates through wellhead chokes. Journal of Petroleum Exploration and Production, 2021, 11, 1233-1261.	2.4	23

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73	Medium-term Air Quality Benchmarking for Ecosystem Monitoring and Sustainability Planning: Case Study Dallas County (U.S.A.) 2015 to 2020. Research in Ecology, 2021, 3, .	0.3	0
74	Enhancing lithofacies machine learning predictions with gamma-ray attributes for boreholes with limited diversity of recorded well logs. Artificial Intelligence in Geosciences, 2021, 2, 148-164.	1.9	8
75	Prediction of oil flow rate through an orifice flow meter: Artificial intelligence alternatives compared. Petroleum, 2020, 6, 404-414.	2.8	43
76	Transparent open-box learning network and artificial neural network predictions of bubble-point pressure compared. Petroleum, 2020, 6, 375-384.	2.8	15
77	Predicting porosity, permeability and water saturation applying an optimized nearest-neighbour, machine-learning and data-mining network of well-log data. Journal of Petroleum Science and Engineering, 2020, 184, 106587.	4.2	63
78	Bakken Stratigraphic and Type Well-Log Learning Network for Transparent Prediction and Rigorous Data Mining. Natural Resources Research, 2020, 29, 1329-1349.	4.7	4
79	German country-wide renewable power generation from solar plus wind mined with an optimized data matching algorithm utilizing diverse variables. Energy Systems, 2020, 11, 1003-1045.	3.0	4
80	The impacts of silica nanoparticles coupled with low-salinity water on wettability and interfacial tension: Experiments on a carbonate core. Journal of Dispersion Science and Technology, 2020, 41, 1159-1173.	2.4	17
81	Bakken stratigraphic and type well log learning network exploited to predict and data mine shear wave acoustic velocity. Journal of Applied Geophysics, 2020, 173, 103936.	2.1	5
82	Mathematical model for iron corrosion that eliminates chemical potential parameters. Chinese Journal of Chemical Engineering, 2020, 28, 603-612.	3.5	15
83	Performance comparison of bubble point pressure from oil PVT data: Several neurocomputing techniques compared. Experimental and Computational Multiphase Flow, 2020, 2, 225-246.	3.9	36
84	High-level stochastic project cost and duration planning methodology integrating earned duration, schedule and value, criticality, cruciality and downside risk metrics. International Journal of Operational Research, 2020, 39, 160.	0.2	0
85	Shear modulus prediction of embedded pressurized salt layers and pinpointing zones at risk of casing collapse in oil and gas wells. Journal of Applied Geophysics, 2020, 183, 104205.	2.1	24
86	Reservoir microfacies analysis exploiting microscopic image processing and classification algorithms applied to carbonate and sandstone reservoirs. Marine and Petroleum Geology, 2020, 121, 104609.	3.3	9
87	Iran in the emerging global natural gas market: A scenario-based competitive analysis and policy assessment. Resources Policy, 2020, 68, 101790.	9.6	22
88	Reinforcement of oil and gas wellbore cements with a methyl methacrylate/carbon-nanotube polymer nanocomposite additive. Cement and Concrete Composites, 2020, 114, 103763.	10.7	30
89	Total Organic Carbon Predictions from Lower Barnett Shale Well-log Data Applying an Optimized Data Matching Algorithm at Various Sampling Densities. Pure and Applied Geophysics, 2020, 177, 5451-5468.	1.9	6
90	Adaptive neuro-fuzzy algorithm applied to predict and control multi-phase flow rates through wellhead chokes. Flow Measurement and Instrumentation, 2020, 76, 101849.	2.0	27

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91	Evolutionary Algorithms for Controller Tuning of Tert-Amyl-Methyl-Ether Reactive Distillation. Journal of Systems Science and Systems Engineering, 2020, 29, 325-343.	1.6	0
92	Solar plus wind country-wide electrical power forecasts across successive years by optimized data matching. International Journal of Energy and Environmental Engineering, 2020, 11, 377-394.	2.5	2
93	Hourly-averaged solar plus wind power generation for Germany 2016: Long-term prediction, short-term forecasting, data mining and outlier analysis. Sustainable Cities and Society, 2020, 60, 102227.	10.4	13
94	Source rock properties and pore structural framework of the gas-prone Lower Permian shales in the Jharia basin, India. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	17
95	Applying separately cost-sensitive learning and Fisher's discriminant analysis to address the class imbalance problem: A case study involving a virtual gas pipeline SCADA system. International Journal of Critical Infrastructure Protection, 2020, 29, 100357.	4.6	15
96	Recent advances in carbon dioxide utilization. Renewable and Sustainable Energy Reviews, 2020, 125, 109799.	16.4	369
97	Country-wide German hourly wind power dataset mined to provide insight to predictions and forecasts with optimized data-matching machine learning. Renewable Energy Focus, 2020, 34, 69-90.	4.5	8
98	Optimizing the separation factor along a directional well trajectory to minimize collision risk. Journal of Petroleum Exploration and Production, 2020, 10, 2113-2125.	2.4	14
99	Predicting Stability of a Decentralized Power Grid Linking Electricity Price Formulation to Grid Frequency Applying an Optimized Data-Matching Learning Network to Simulated Data. Technology and Economics of Smart Grids and Sustainable Energy, 2020, 5, 1.	2.6	8
100	Combined cycle gas turbine power output prediction and data mining with optimized data matching algorithm. SN Applied Sciences, 2020, 2, 1.	2.9	7
101	Transparent machine learning provides insightful estimates of natural gas density based on pressure, temperature and compositional variables. Journal of Natural Gas Geoscience, 2020, 5, 33-43.	1.2	10
102	Review of Progress in Microalgal Biotechnology Applied to Wastewater Treatment. Nanotechnology in the Life Sciences, 2020, , 539-557.	0.6	8
103	Third Generation of Biofuels Exploiting Microalgae. Nanotechnology in the Life Sciences, 2020, , 575-588.	0.6	15
104	Assessing Wellbore Stability With a Modified Lade Failure Criterion. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	2.3	15
105	The natural gas sector needs to be mindful of its sustainability credentials. Advances in Geo-Energy Research, 2020, 4, 229-232.	6.0	12
106	Auto-detection interpretation model for horizontal oil wells using pressure transient responses. Advances in Geo-Energy Research, 2020, 4, 305-316.	6.0	28
107	Characterization and estimation of gas-bearing properties of Devonian coals using well log data from ï¬ve Illizi Basin wells (Algeria). Advances in Geo-Energy Research, 2020, 4, 356-371.	6.0	12
108	Simulation of CO2 removal from ethane with Sulfinol-M+AMP solvent instead of DEA solvent in the South Pars phases 9 and 10 gas processing facility. Petroleum, 2019, 5, 90-101.	2.8	18

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109	Lithofacies and stratigraphy prediction methodology exploiting an optimized nearest-neighbour algorithm to mine well-log data. Marine and Petroleum Geology, 2019, 110, 347-367.	3.3	25
110	Comparison of Exergy Losses for Reformers Involved in Hydrogen and Synthesis Gas Production. Chemical Engineering and Technology, 2019, 42, 2681-2690.	1.5	1
111	The critical factors for permeability-formation factor relation in reservoir rocks: Pore-throat ratio, tortuosity and connectivity. Energy, 2019, 188, 116051.	8.8	92
112	ANN-Based Prediction of Laboratory-Scale Performance of CO2-Foam Flooding for Improving Oil Recovery. Natural Resources Research, 2019, 28, 1619-1637.	4.7	71
113	A review of the current status of induced seismicity monitoring for hydraulic fracturing in unconventional tight oil and gas reservoirs. Fuel, 2019, 242, 195-210.	6.4	154
114	German solar power generation data mining and prediction with transparent open box learning network integrating weather, environmental and market variables. Energy Conversion and Management, 2019, 196, 354-369.	9.2	12
115	Reducing welding repair requirements in refinery pressure vessel manufacturing: a case study applying six sigma principles. International Journal on Interactive Design and Manufacturing, 2019, 13, 1089-1102.	2.2	3
116	Evaluation of Shale Source Rocks and Reservoirs. Petroleum Engineering, 2019, , .	1.0	23
117	Source-Rock Evaluation Using the Rock-Eval Technique. Petroleum Engineering, 2019, , 19-49.	1.0	3
118	Matrix Retention of Hydrocarbons. Petroleum Engineering, 2019, , 51-56.	1.0	0
119	Kerogenâ€™s Potential to Be Converted into Petroleum: Reaction Kinetics and Modelling Thermal Maturity Plus Petroleum Transformation Processes. Petroleum Engineering, 2019, , 57-84.	1.0	0
120	Organic and Inorganic Porosity, and Controls of Hydrocarbon Storage in Shales. Petroleum Engineering, 2019, , 107-138.	1.0	7
121	Source-Rock Geochemistry: Organic Content, Type, and Maturity. Petroleum Engineering, 2019, , 7-17.	1.0	1
122	Sedimentary Biomarkers and Their Stable Isotope Proxies in Evaluation of Shale Source and Reservoir Rocks. Petroleum Engineering, 2019, , 85-106.	1.0	0
123	Transparent open-box learning network provides auditable predictions for coal gross calorific value. Modeling Earth Systems and Environment, 2019, 5, 395-419.	3.4	20
124	Sensitivity analysis and optimization capabilities of the transparent open-box learning network in predicting coal gross calorific value from underlying compositional variables. Modeling Earth Systems and Environment, 2019, 5, 753-766.	3.4	11
125	A machine learning approach to predict drilling rate using petrophysical and mud logging data. Earth Science Informatics, 2019, 12, 319-339.	3.2	74
126	Predictions of Gross Calorific Value of Indian Coals from their Moisture and Ash Content. Journal of the Geological Society of India, 2019, 93, 437-442.	1.1	17

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127	Transparent open-box learning network provides auditable predictions. Journal of Thermal Analysis and Calorimetry, 2019, 136, 1395-1414.	3.6	15
128	Predicting liquid flow-rate performance through wellhead chokes with genetic and solver optimizers: an oil field case study. Journal of Petroleum Exploration and Production, 2019, 9, 1355-1373.	2.4	46
129	A Layered Uncertainties Scenario Synthesizing (LUSS) model applied to evaluate multiple potential long-run outcomes for Iran's natural gas exports. Energy, 2019, 169, 646-659.	8.8	17
130	The impacts of gas impurities on the minimum miscibility pressure of injected CO2-rich gasâ€“crude oil systems and enhanced oil recovery potential. Petroleum Science, 2019, 16, 117-126.	4.9	20
131	A hybrid nanocomposite of poly(styrene-methyl methacrylate- acrylic acid) /clay as a novel rheology-improvement additive for drilling fluids. Journal of Polymer Research, 2019, 26, 1.	2.4	71
132	Fundamental investigation of an environmentally-friendly surfactant agent for chemical enhanced oil recovery. Fuel, 2019, 238, 186-197.	6.4	89
133	Microbial improved and enhanced oil recovery (MIEOR): Review of a set of technologies diversifying their applications. Advances in Geo-Energy Research, 2019, 3, 122-140.	6.0	14
134	Reliable predictions of oil formation volume factor based on transparent and auditable machine learning approaches. Advances in Geo-Energy Research, 2019, 3, 225-241.	6.0	14
135	Soft metal blanket with optional anti-sloshing conceptual designs to improve pressure control for floating and land-based liquefied natural gas tanks. Advances in Geo-Energy Research, 2019, 3, 424-447.	6.0	3
136	Simulated exergy and energy performance comparison of physicalâ€“chemical and chemical solvents in a sour gas treatment plant. Chemical Engineering Research and Design, 2018, 133, 40-54.	5.6	26
137	Porosity controls and fractal disposition of organic-rich Permian shales using low-pressure adsorption techniques. Fuel, 2018, 220, 837-848.	6.4	126
138	A comprehensive review of formation damage during enhanced oil recovery. Journal of Petroleum Science and Engineering, 2018, 167, 287-299.	4.2	95
139	A comparative study of several metaheuristic algorithms for optimizing complex 3-D well-path designs. Journal of Petroleum Exploration and Production, 2018, 8, 1487-1503.	2.4	32
140	A critical-path focus for earned duration increases its sensitivity for project-duration monitoring and forecasting in deterministic, fuzzy and stochastic network analysis. Journal of Computational Methods in Sciences and Engineering, 2018, 18, 359-386.	0.2	4
141	A realistic and integrated model for evaluating oil sands development with Steam Assisted Gravity Drainage technology in Canada. Applied Energy, 2018, 213, 76-91.	10.1	169
142	Enhanced application for FSRU recondensing equipment during periods of low or no gas send out to minimize LNG cargo losses. Petroleum, 2018, 4, 365-374.	2.8	8
143	Regeneration of the Midrex Reformer Catalysts Using Supercritical Carbon Dioxide. Chemical Engineering Journal, 2018, 343, 748-758.	12.7	29
144	Insights into the effects of matrix retention and inert carbon on the petroleum generation potential of Indian Gondwana shales. Marine and Petroleum Geology, 2018, 91, 125-138.	3.3	19

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145	Applying orthogonal collocation for rapid and reliable solutions of transient flow in naturally fractured reservoirs. Journal of Petroleum Science and Engineering, 2018, 162, 166-179.	4.2	8
146	LNG rollover challenges and their mitigation on Floating Storage and Regasification Units: New perspectives in assessing rollover consequences. Journal of Loss Prevention in the Process Industries, 2018, 54, 352-372.	3.3	17
147	A holistic review of geosystem damage during unconventional oil, gas and geothermal energy recovery. Fuel, 2018, 227, 99-110.	6.4	31
148	Prediction of solubility of N-alkanes in supercritical CO2 using RBF-ANN and MLP-ANN. Journal of CO2 Utilization, 2018, 25, 108-119.	6.8	108
149	A review: Optimizing performance of Floating Storage and Regasification Units (FSRU) by applying advanced LNG tank pressure management strategies. International Journal of Energy Research, 2018, 42, 1391-1418.	4.5	14
150	Kerogen conversion and thermal maturity modelling of petroleum generation: Integrated analysis applying relevant kerogen kinetics. Marine and Petroleum Geology, 2018, 89, 313-329.	3.3	13
151	Thermal maturity and burial history modelling of shale is enhanced by use of Arrhenius time-temperature index and memetic optimizer. Petroleum, 2018, 4, 25-42.	2.8	19
152	Weathering/Ageing of Liquefied Natural Gas Cargoes During Marine Transport and Processing on Floating Storage Units and FSRU. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	2.3	10
153	Fractal disposition, porosity characterization and relationships to thermal maturity for the Lower Permian Raniganj basin shales, India. Journal of Natural Gas Science and Engineering, 2018, 59, 452-465.	4.4	34
154	A support vector machine analysis to predict density of mixtures of methanol and six ionic liquids. Monatshefte FÃ¼r Chemie, 2018, 149, 2145-2152.	1.8	2
155	Effectiveness of amino acid salt solutions in capturing CO2: A review. Renewable and Sustainable Energy Reviews, 2018, 98, 179-188.	16.4	167
156	Pore Characteristics of Distinct Thermally Mature Shales: Influence of Particle Size on Low-Pressure CO₂ and N₂ Adsorption. Energy & Fuels, 2018, 32, 8175-8186.	5.1	62
157	Overview of Formation Damage During Improved and Enhanced Oil Recovery. , 2018, , 1-20.		12
158	Low-Salinity Water Flooding. , 2018, , 21-67.		6
159	Experimental investigation on the effect of diameter ratio on two-phase slug flow separation in a T-Junction. Journal of Petroleum Science and Engineering, 2018, 170, 139-150.	4.2	19
160	2.29 Desulfurization Materials. , 2018, , 944-979.		18
161	A transparent Open-Box learning network provides insight to complex systems and a performance benchmark for more-opaque machine learning algorithms. Advances in Geo-Energy Research, 2018, 2, 148-162.	6.0	48
162	Rheological and ï¬ltration characteristics of drilling ï¬uids enhanced by nanoparticles with selected additives: an experimental study. Advances in Geo-Energy Research, 2018, 2, 228-236.	6.0	57

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163	High-level integrated deterministic, stochastic and fuzzy cost-duration analysis aids project planning and monitoring, focusing on uncertainties and earned value metrics. Journal of Natural Gas Science and Engineering, 2017, 37, 303-326.	4.4	16
164	Prediction of gas flow rates from gas condensate reservoirs through wellhead chokes using a firefly optimization algorithm. Journal of Natural Gas Science and Engineering, 2017, 45, 256-271.	4.4	59
165	Gas and oil project time-cost-quality tradeoff: Integrated stochastic and fuzzy multi-objective optimization applying a memetic, nondominated, sorting algorithm. Journal of Natural Gas Science and Engineering, 2017, 45, 143-164.	4.4	31
166	Retrospective and future perspective of natural gas liquefaction and optimization technologies contributing to efficient LNG supply: A review. Journal of Natural Gas Science and Engineering, 2017, 45, 165-188.	4.4	104
167	Integration of core data, well logs and seismic attributes for identification of the low reservoir quality units with unswept gas in the carbonate rocks of the worldâ€™s largest gas field. Journal of Earth Science (Wuhan, China), 2017, 28, 857-866.	3.2	11
168	Characterization of organic-rich shales for petroleum exploration & exploitation: A review-Part 1: Bulk properties, multi-scale geometry and gas adsorption. Journal of Earth Science (Wuhan, China), 2017, 28, 739-757.	3.2	35
169	Re-establishing the merits of thermal maturity and petroleum generation multi-dimensional modeling with an Arrhenius Equation using a single activation energy. Journal of Earth Science (Wuhan, China), 2017, 28, 804-834.	3.2	10
170	Characterization of organic-rich shales for petroleum exploration & exploitation: A review-Part 2: Geochemistry, thermal maturity, isotopes and biomarkers. Journal of Earth Science (Wuhan, China), 2017, 28, 758-778.	3.2	39
171	Improved predictions of wellhead choke liquid critical-flow rates: Modelling based on hybrid neural network training learning based optimization. Fuel, 2017, 207, 547-560.	6.4	81
172	Electrical conductivity models in saturated porous media: A review. Earth-Science Reviews, 2017, 171, 419-433.	9.1	219
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