

Wood,david A

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

223
papers

7,418
citations

36
h-index

82
g-index

266
ext. papers

8,870
ext. citations

4.3
avg, IF

7.03
L-index

#	Paper	IF	Citations
223	Local integrated air quality predictions from meteorology (2015 to 2020) with machine and deep learning assisted by data mining 2022 , 2, 100002		1
222	Gamma-ray log derivative and volatility attributes assist facies characterization in clastic sedimentary sequences for formulaic and machine learning analysis. <i>Advances in Geo-Energy Research</i> , 2022 , 6, 69-85	6.2	3
221	Nanoparticle Applications as Beneficial Oil and Gas Drilling Fluid Additives: A Review. <i>Journal of Molecular Liquids</i> , 2022 , 352, 118725	6	3
220	Trend decomposition aids forecasts of air particulate matter (PM2.5) assisted by machine and deep learning without recourse to exogenous data. <i>Atmospheric Pollution Research</i> , 2022 , 13, 101352	4.5	1
219	Assessing the sustainability of potential gas hydrate exploitation projects by integrating commercial, environmental, social and technical considerations 2022 , 301-343		1
218	Pore-scale characterization and fractal analysis for gas migration mechanisms in shale gas reservoirs 2022 , 1-27		
217	Natural gas demand prediction: Methods, time horizons, geographical scopes, sustainability issues, and scenarios 2022 , 29-53		0
216	Gas adsorption and reserve estimation for conventional and unconventional gas resources 2022 , 345-382		4
215	Sustainability challenges for the upstream sectors of the natural gas industry 2022 , 349-378		
214	Integrated microfacies interpretations of large natural gas reservoirs combining qualitative and quantitative image analysis 2022 , 93-127		
213	Coal-bed methane reservoir characterization using well-log data 2022 , 243-274		0
212	Dataset insight and variable influences established using correlations, regressions, and transparent customized formula optimization 2022 , 383-408		0
211	Machine learning to improve natural gas reservoir simulations 2022 , 55-82		
210	Carbon-nanotube-polymer nanocomposites enable wellbore cements to better inhibit gas migration and enhance sustainability of natural gas reservoirs 2022 , 243-268		1
209	Assessing the brittleness and total organic carbon of shale formations and their role in identifying optimum zones to fracture stimulate 2022 , 129-157		
208	Shale kerogen kinetics from multiheating rate pyrolysis modeling with geological time-scale perspectives for petroleum generation 2022 , 159-195		
207	Trend decomposition aids short-term countrywide wind capacity factor forecasting with machine and deep learning methods. <i>Energy Conversion and Management</i> , 2022 , 253, 115189	10.6	1

206	The Effect of Subcutaneous Dexamethasone to Reduce Edema and Ecchymosis in Rhinoplasty Patients.. <i>International Journal of Otolaryngology</i> , 2022 , 2022, 3054767	1.4	
205	Machine learning and data-driven prediction of pore pressure from geophysical logs: A case study for the Mangahewa gas field, New Zealand. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022 ,	5.3	3
204	Carbon Dioxide Applications for Enhanced Oil Recovery Assisted by Nanoparticles: Recent Developments.. <i>ACS Omega</i> , 2022 , 7, 9984-9994	3.9	8
203	Graphical approach for estimating and minimizing boil-off gas and compression energy consumption in LNG regasification terminals. <i>Journal of Natural Gas Science and Engineering</i> , 2022 , 101, 104539	4.6	1
202	Permeability prediction of heterogeneous carbonate gas condensate reservoirs applying group method of data handling. <i>Marine and Petroleum Geology</i> , 2022 , 139, 105597	4.7	1
201	Net ecosystem exchange comparative analysis of the relative influence of recorded variables in well monitored ecosystems. <i>Ecological Complexity</i> , 2022 , 50, 100998	2.6	0
200	Real-time porosity prediction using gas-while-drilling data and machine learning with reservoir associated gas: Case study for Hassi Messaoud field, Algeria. <i>Marine and Petroleum Geology</i> , 2022 , 140, 105631	4.7	0
199	Effective prediction of lost circulation from multiple drilling variables: a class imbalance problem for machine and deep learning algorithms. <i>Journal of Petroleum Exploration and Production</i> , 2022 , 12, 83-98	2.2	0
198	Impact of Particle Crush-Size and Weight on Rock-Eval S2, S4, and Kinetics of Shales. <i>Journal of Earth Science (Wuhan, China)</i> , 2022 , 33, 513-524	2.2	1
197	Carbon Sequestration Alternatives for Mitigating the Accumulation of Greenhouse Gases in the Atmosphere 2022 , 443-465		
196	Biogas Production and Processing from Various Organic Wastes in Anaerobic Digesters and Landfills 2022 , 310-331		0
195	Algal-based Membrane Bioreactor for Wastewater Treatment 2022 , 347-372		
194	Recent Advances in Enzymatic Membranes and Their Sustainable Applications Across Industry 2022 , 399-423		
193	Biodiesel from microalgae 2022 , 417-438		
192	Robust computational approach to determine the safe mud weight window using well-log data from a large gas reservoir. <i>Marine and Petroleum Geology</i> , 2022 , 105772	4.7	1
191	Experimental and field applications of nanotechnology for enhanced oil recovery purposes: A review. <i>Fuel</i> , 2022 , 324, 124669	7.1	3
190	Prediction performance advantages of deep machine learning algorithms for two-phase flow rates through wellhead chokes. <i>Journal of Petroleum Exploration and Production</i> , 2021 , 11, 1233-1261	2.2	8
189	Hydrocarbon generation and kinetics: A case study of Permian shales, India. <i>Journal of Asian Earth Sciences</i> , 2021 , 222, 104960	2.8	5

188	Auto-characterization of naturally fractured reservoirs drilled by horizontal well using multi-output least squares support vector regression. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	19
187	Insights into colloidal membrane fouling mechanisms for nanofiltration of surface water using single and hybrid membrane processes. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2517-2530	3.2	3
186	Prediction of oil flow rate through orifice flow meters: Optimized machine-learning techniques. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 174, 108943	4.6	10
185	Predicting Formation Pore-Pressure from Well-Log Data with Hybrid Machine-Learning Optimization Algorithms. <i>Natural Resources Research</i> , 2021 , 30, 3455-3481	4.9	8
184	Astronomical forcing variations of the Upper Dalan Member (Late Permian) in the South Pars gas field, Persian Gulf, Iran. <i>Journal of Asian Earth Sciences</i> , 2021 , 209, 104689	2.8	1
183	Techniques used to calculate shale fractal dimensions involve uncertainties and imprecisions that require more careful consideration. <i>Advances in Geo-Energy Research</i> , 2021 , 5, 153-165	6.2	15
182	Net ecosystem carbon exchange prediction and insightful data mining with an optimized data-matching algorithm. <i>Ecological Indicators</i> , 2021 , 124, 107426	5.8	10
181	Biodiesel Production Methods and Feedstocks 2021 , 447-464		1
180	Global natural gas demand to 2025: A learning scenario development model. <i>Energy</i> , 2021 , 224, 120167	7.9	3
179	Estimating Organic-Rich Shale Fractal Dimensions from Gas Adsorption Isotherms: Combining Different Methods Leads to More Reliable Values and Insight. <i>Natural Resources Research</i> , 2021 , 30, 3551-3574	4.9	5
178	Microalgae to biodiesel - Review of recent progress. <i>Bioresource Technology Reports</i> , 2021 , 14, 100665	4.1	2
177	Predicting saturated vapor pressure of LNG from density and temperature data with a view to improving tank pressure management. <i>Petroleum</i> , 2021 , 7, 91-101	4.1	2
176	Applying ultrasonic fields to separate water contained in medium-gravity crude oil emulsions and determining crude oil adhesion coefficients. <i>Ultrasonics Sonochemistry</i> , 2021 , 70, 105303	8.9	19
175	New insights to direct conversion of wet microalgae impregnated with ethanol to biodiesel exploiting extraction with supercritical carbon dioxide. <i>Fuel</i> , 2021 , 285, 119199	7.1	17
174	A geomechanical approach to casing collapse prediction in oil and gas wells aided by machine learning. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 196, 107811	4.4	19
173	Hybrid machine learning algorithms to enhance lost-circulation prediction and management in the Marun oil field. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 198, 108125	4.4	16
172	UTASTAR method and its application in multi-criteria warehouse location selection. <i>Operations Management Research</i> , 2021 , 14, 202-215	3.6	6
171	Large-scale molecular solvents for environmentally sustainable applications 2021 , 267-282		2

170	Sustainable approach in biocatalytic preparation of antibiotic peptide 2021 , 345-367		1
169	Water, the most accessible eco-friendly solvent, and extraction and separation agent 2021 , 283-292		1
168	Prediction and data mining of burned areas of forest fires: Optimized data matching and mining algorithm provides valuable insight. <i>Artificial Intelligence in Agriculture</i> , 2021 , 5, 24-42	7.8	4
167	Experimental and Fractal Characterization of the Microstructure of Shales from Sichuan Basin, China. <i>Energy & Fuels</i> , 2021 , 35, 3899-3914	4.1	11
166	Geomechanical modeling using the depth-of-damage approach to achieve successful underbalanced drilling in the Gulf of Suez rift basin. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 202, 108311	4.4	36
165	Determination of bubble point pressure & oil formation volume factor of crude oils applying multiple hidden layers extreme learning machine algorithms. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 202, 108425	4.4	18
164	The application of deep learning algorithms to classify subsurface drilling lost circulation severity in large oil field datasets. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	3
163	Deriving coal fractal dimensions from low-pressure nitrogen adsorption isotherms applying an integrated method. <i>Applied Geochemistry</i> , 2021 , 131, 105042	3.5	3
162	Pore Properties in Organic-Rich Shales Derived Using Multiple Fractal Determination Models Applied to Two Indian Permian Basins. <i>Energy & Fuels</i> , 2021 , 35, 14618-14633	4.1	2
161	Transformation of associated natural gas into valuable products to avoid gas wastage in the form of flaring. <i>Journal of Natural Gas Science and Engineering</i> , 2021 , 94, 104078	4.6	1
160	Hybrid machine learning algorithms to predict condensate viscosity in the near wellbore regions of gas condensate reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2021 , 95, 104210	4.6	4
159	Ionic liquids and their beneficial contributions to enzyme-catalyzed reactions, catalytic biomass conversion and energy conversion and storage systems 2021 , 369-407		0
158	Applications of supercritical fluids in environmental remediation 2021 , 257-265		
157	Enhancing lithofacies machine learning predictions with gamma-ray attributes for boreholes with limited diversity of recorded well logs. <i>Artificial Intelligence in Geosciences</i> , 2021 , 2, 148-164	2	0
156	Evolutionary Algorithms for Controller Tuning of Tert-Amyl-Methyl-Ether Reactive Distillation. <i>Journal of Systems Science and Systems Engineering</i> , 2020 , 29, 325-343	1.2	
155	Solar plus wind country-wide electrical power forecasts across successive years by optimized data matching. <i>International Journal of Energy and Environmental Engineering</i> , 2020 , 11, 377-394	4	2
154	Hourly-averaged solar plus wind power generation for Germany 2016: Long-term prediction, short-term forecasting, data mining and outlier analysis. <i>Sustainable Cities and Society</i> , 2020 , 60, 102227 ^{10.1}		7
153	Source rock properties and pore structural framework of the gas-prone Lower Permian shales in the Jharia basin, India. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	11

152	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. <i>International Journal of Critical Infrastructure Protection</i> , 2020 , 29, 100357	4.1	6
151	Recent advances in carbon dioxide utilization. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 125, 109799	16.2	146
150	Country-wide German hourly wind power dataset mined to provide insight to predictions and forecasts with optimized data-matching machine learning. <i>Renewable Energy Focus</i> , 2020 , 34, 69-90	5.4	4
149	Optimizing the separation factor along a directional well trajectory to minimize collision risk. <i>Journal of Petroleum Exploration and Production</i> , 2020 , 10, 2113-2125	2.2	4
148	Predicting Stability of a Decentralized Power Grid Linking Electricity Price Formulation to Grid Frequency Applying an Optimized Data-Matching Learning Network to Simulated Data. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , 2020 , 5, 1	2.1	4
147	Combined cycle gas turbine power output prediction and data mining with optimized data matching algorithm. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	6
146	Assessing Wellbore Stability With a Modified Lade Failure Criterion. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020 , 142,	2.6	12
145	The natural gas sector needs to be mindful of its sustainability credentials. <i>Advances in Geo-Energy Research</i> , 2020 , 4, 229-232	6.2	5
144	Auto-detection interpretation model for horizontal oil wells using pressure transient responses. <i>Advances in Geo-Energy Research</i> , 2020 , 4, 305-316	6.2	12
143	Characterization and estimation of gas-bearing properties of Devonian coals using well log data from the Illizi Basin wells (Algeria). <i>Advances in Geo-Energy Research</i> , 2020 , 4, 356-371	6.2	7
142	Review of Progress in Microalgal Biotechnology Applied to Wastewater Treatment. <i>Nanotechnology in the Life Sciences</i> , 2020 , 539-557	1.1	6
141	Third Generation of Biofuels Exploiting Microalgae. <i>Nanotechnology in the Life Sciences</i> , 2020 , 575-588	1.1	11
140	Bakken stratigraphic and type well log learning network exploited to predict and data mine shear wave acoustic velocity. <i>Journal of Applied Geophysics</i> , 2020 , 173, 103936	1.7	3
139	Mathematical model for iron corrosion that eliminates chemical potential parameters. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 603-612	3.2	10
138	Performance comparison of bubble point pressure from oil PVT data: Several neurocomputing techniques compared. <i>Experimental and Computational Multiphase Flow</i> , 2020 , 2, 225-246	4.2	24
137	High-level stochastic project cost and duration planning methodology integrating earned duration, schedule and value, criticality, cruciality and downside risk metrics. <i>International Journal of Operational Research</i> , 2020 , 39, 160	0.9	
136	Shear modulus prediction of embedded pressurized salt layers and pinpointing zones at risk of casing collapse in oil and gas wells. <i>Journal of Applied Geophysics</i> , 2020 , 183, 104205	1.7	11
135	Reservoir microfacies analysis exploiting microscopic image processing and classification algorithms applied to carbonate and sandstone reservoirs. <i>Marine and Petroleum Geology</i> , 2020 , 121, 104609	4.7	4

134	Iran in the emerging global natural gas market: A scenario-based competitive analysis and policy assessment. <i>Resources Policy</i> , 2020 , 68, 101790	7.2	10
133	Reinforcement of oil and gas wellbore cements with a methyl methacrylate/carbon-nanotube polymer nanocomposite additive. <i>Cement and Concrete Composites</i> , 2020 , 114, 103763	8.6	12
132	Brittleness index predictions from Lower Barnett Shale well-log data applying an optimized data matching algorithm at various sampling densities. <i>Geoscience Frontiers</i> , 2020 , 101087	6	6
131	Total Organic Carbon Predictions from Lower Barnett Shale Well-log Data Applying an Optimized Data Matching Algorithm at Various Sampling Densities. <i>Pure and Applied Geophysics</i> , 2020 , 177, 5451-5468	2.3	4
130	Adaptive neuro-fuzzy algorithm applied to predict and control multi-phase flow rates through wellhead chokes. <i>Flow Measurement and Instrumentation</i> , 2020 , 76, 101849	2.2	11
129	Prediction of oil flow rate through an orifice flow meter: Artificial intelligence alternatives compared. <i>Petroleum</i> , 2020 , 6, 404-414	4.1	15
128	Transparent open-box learning network and artificial neural network predictions of bubble-point pressure compared. <i>Petroleum</i> , 2020 , 6, 375-384	4.1	13
127	Predicting porosity, permeability and water saturation applying an optimized nearest-neighbour, machine-learning and data-mining network of well-log data. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 184, 106587	4.4	28
126	Bakken Stratigraphic and Type Well-Log Learning Network for Transparent Prediction and Rigorous Data Mining. <i>Natural Resources Research</i> , 2020 , 29, 1329-1349	4.9	2
125	German country-wide renewable power generation from solar plus wind mined with an optimized data matching algorithm utilizing diverse variables. <i>Energy Systems</i> , 2020 , 11, 1003-1045	1.7	4
124	The impacts of silica nanoparticles coupled with low-salinity water on wettability and interfacial tension: Experiments on a carbonate core. <i>Journal of Dispersion Science and Technology</i> , 2020 , 41, 1159-1173	1.5	10
123	Transparent machine learning provides insightful estimates of natural gas density based on pressure, temperature and compositional variables. <i>Journal of Natural Gas Geoscience</i> , 2020 , 5, 33-43	1.5	5
122	The critical factors for permeability-formation factor relation in reservoir rocks: Pore-throat ratio, tortuosity and connectivity. <i>Energy</i> , 2019 , 188, 116051	7.9	46
121	ANN-Based Prediction of Laboratory-Scale Performance of CO ₂ -Foam Flooding for Improving Oil Recovery. <i>Natural Resources Research</i> , 2019 , 28, 1619-1637	4.9	44
120	A review of the current status of induced seismicity monitoring for hydraulic fracturing in unconventional tight oil and gas reservoirs. <i>Fuel</i> , 2019 , 242, 195-210	7.1	80
119	German solar power generation data mining and prediction with transparent open box learning network integrating weather, environmental and market variables. <i>Energy Conversion and Management</i> , 2019 , 196, 354-369	10.6	8
118	Reducing welding repair requirements in refinery pressure vessel manufacturing: a case study applying six sigma principles. <i>International Journal on Interactive Design and Manufacturing</i> , 2019 , 13, 1089-1102	1.9	2
117	Evaluation of Shale Source Rocks and Reservoirs. <i>Petroleum Engineering</i> , 2019 ,	1.3	17

116	Source-Rock Evaluation Using the Rock-Eval Technique. <i>Petroleum Engineering</i> , 2019 , 19-49	1.3	1
115	Matrix Retention of Hydrocarbons. <i>Petroleum Engineering</i> , 2019 , 51-56	1.3	
114	Kerogen Potential to Be Converted into Petroleum: Reaction Kinetics and Modelling Thermal Maturity Plus Petroleum Transformation Processes. <i>Petroleum Engineering</i> , 2019 , 57-84	1.3	
113	Organic and Inorganic Porosity, and Controls of Hydrocarbon Storage in Shales. <i>Petroleum Engineering</i> , 2019 , 107-138	1.3	4
112	Source-Rock Geochemistry: Organic Content, Type, and Maturity. <i>Petroleum Engineering</i> , 2019 , 7-17	1.3	0
111	Sedimentary Biomarkers and Their Stable Isotope Proxies in Evaluation of Shale Source and Reservoir Rocks. <i>Petroleum Engineering</i> , 2019 , 85-106	1.3	
110	Transparent open-box learning network provides auditable predictions for coal gross calorific value. <i>Modeling Earth Systems and Environment</i> , 2019 , 5, 395-419	3.2	18
109	Sensitivity analysis and optimization capabilities of the transparent open-box learning network in predicting coal gross calorific value from underlying compositional variables. <i>Modeling Earth Systems and Environment</i> , 2019 , 5, 753-766	3.2	10
108	A machine learning approach to predict drilling rate using petrophysical and mud logging data. <i>Earth Science Informatics</i> , 2019 , 12, 319-339	2.5	33
107	Predictions of Gross Calorific Value of Indian Coals from their Moisture and Ash Content. <i>Journal of the Geological Society of India</i> , 2019 , 93, 437-442	1.3	10
106	Simulation of CO ₂ removal from ethane with Sulfinol-M+AMP solvent instead of DEA solvent in the South Pars phases 9 and 10 gas processing facility. <i>Petroleum</i> , 2019 , 5, 90-101	4.1	12
105	Lithofacies and stratigraphy prediction methodology exploiting an optimized nearest-neighbour algorithm to mine well-log data. <i>Marine and Petroleum Geology</i> , 2019 , 110, 347-367	4.7	13
104	Comparison of Exergy Losses for Reformers Involved in Hydrogen and Synthesis Gas Production. <i>Chemical Engineering and Technology</i> , 2019 , 42, 2681-2690	2	1
103	Microbial improved and enhanced oil recovery (MIEOR): Review of a set of technologies diversifying their applications. <i>Advances in Geo-Energy Research</i> , 2019 , 3, 122-140	6.2	9
102	Reliable predictions of oil formation volume factor based on transparent and auditable machine learning approaches. <i>Advances in Geo-Energy Research</i> , 2019 , 3, 225-241	6.2	8
101	Transparent open-box learning network provides auditable predictions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 136, 1395-1414	4.1	10
100	Predicting liquid flow-rate performance through wellhead chokes with genetic and solver optimizers: an oil field case study. <i>Journal of Petroleum Exploration and Production</i> , 2019 , 9, 1355-1373	2.2	33
99	A Layered Uncertainties Scenario Synthesizing (LUSS) model applied to evaluate multiple potential long-run outcomes for Iran's natural gas exports. <i>Energy</i> , 2019 , 169, 646-659	7.9	9

98	The impacts of gas impurities on the minimum miscibility pressure of injected CO ₂ -rich gas in crude oil systems and enhanced oil recovery potential. <i>Petroleum Science</i> , 2019 , 16, 117-126	4.4	11
97	A hybrid nanocomposite of poly(styrene-methyl methacrylate- acrylic acid) /clay as a novel rheology-improvement additive for drilling fluids. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	44
96	Fundamental investigation of an environmentally-friendly surfactant agent for chemical enhanced oil recovery. <i>Fuel</i> , 2019 , 238, 186-197	7.1	53
95	Simulated exergy and energy performance comparison of physical-chemical and chemical solvents in a sour gas treatment plant. <i>Chemical Engineering Research and Design</i> , 2018 , 133, 40-54	5.5	15
94	Porosity controls and fractal disposition of organic-rich Permian shales using low-pressure adsorption techniques. <i>Fuel</i> , 2018 , 220, 837-848	7.1	71
93	A comprehensive review of formation damage during enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 167, 287-299	4.4	65
92	A comparative study of several metaheuristic algorithms for optimizing complex 3-D well-path designs. <i>Journal of Petroleum Exploration and Production</i> , 2018 , 8, 1487-1503	2.2	15
91	A critical-path focus for earned duration increases its sensitivity for project-duration monitoring and forecasting in deterministic, fuzzy and stochastic network analysis. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2018 , 18, 359-386	0.3	3
90	A realistic and integrated model for evaluating oil sands development with Steam Assisted Gravity Drainage technology in Canada. <i>Applied Energy</i> , 2018 , 213, 76-91	10.7	144
89	Enhanced application for FSRU recondensing equipment during periods of low or no gas send out to minimize LNG cargo losses. <i>Petroleum</i> , 2018 , 4, 365-374	4.1	3
88	Regeneration of the Midrex Reformer Catalysts Using Supercritical Carbon Dioxide. <i>Chemical Engineering Journal</i> , 2018 , 343, 748-758	14.7	24
87	Insights into the effects of matrix retention and inert carbon on the petroleum generation potential of Indian Gondwana shales. <i>Marine and Petroleum Geology</i> , 2018 , 91, 125-138	4.7	12
86	Applying orthogonal collocation for rapid and reliable solutions of transient flow in naturally fractured reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 162, 166-179	4.4	6
85	LNG rollover challenges and their mitigation on Floating Storage and Regasification Units: New perspectives in assessing rollover consequences. <i>Journal of Loss Prevention in the Process Industries</i> , 2018 , 54, 352-372	3.5	12
84	A holistic review of geosystem damage during unconventional oil, gas and geothermal energy recovery. <i>Fuel</i> , 2018 , 227, 99-110	7.1	22
83	Prediction of solubility of N-alkanes in supercritical CO ₂ using RBF-ANN and MLP-ANN. <i>Journal of CO₂ Utilization</i> , 2018 , 25, 108-119	7.6	78
82	A review: Optimizing performance of Floating Storage and Regasification Units (FSRU) by applying advanced LNG tank pressure management strategies. <i>International Journal of Energy Research</i> , 2018 , 42, 1391-1418	4.5	9
81	Kerogen conversion and thermal maturity modelling of petroleum generation: Integrated analysis applying relevant kerogen kinetics. <i>Marine and Petroleum Geology</i> , 2018 , 89, 313-329	4.7	6

80	Overview of Formation Damage During Improved and Enhanced Oil Recovery 2018 , 1-20		10
79	Low-Salinity Water Flooding 2018 , 21-67		5
78	Experimental investigation on the effect of diameter ratio on two-phase slug flow separation in a T-Junction. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 170, 139-150	4.4	11
77	2.29 Desulfurization Materials 2018 , 944-979		11
76	A transparent Open-Box learning network provides insight to complex systems and a performance benchmark for more-opaque machine learning algorithms. <i>Advances in Geo-Energy Research</i> , 2018 , 2, 148-162	6.2	41
75	Rheological and filtration characteristics of drilling fluids enhanced by nanoparticles with selected additives: an experimental study. <i>Advances in Geo-Energy Research</i> , 2018 , 2, 228-236	6.2	33
74	Thermal maturity and burial history modelling of shale is enhanced by use of Arrhenius time-temperature index and memetic optimizer. <i>Petroleum</i> , 2018 , 4, 25-42	4.1	15
73	Weathering/Ageing of Liquefied Natural Gas Cargoes During Marine Transport and Processing on Floating Storage Units and FSRU. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2018 , 140,	2.6	5
72	Fractal disposition, porosity characterization and relationships to thermal maturity for the Lower Permian Raniganj basin shales, India. <i>Journal of Natural Gas Science and Engineering</i> , 2018 , 59, 452-465	4.6	19
71	A support vector machine analysis to predict density of mixtures of methanol and six ionic liquids. <i>Monatshefte für Chemie</i> , 2018 , 149, 2145-2152	1.4	2
70	Effectiveness of amino acid salt solutions in capturing CO ₂ : A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 98, 179-188	16.2	118
69	Pore Characteristics of Distinct Thermally Mature Shales: Influence of Particle Size on Low-Pressure CO ₂ and N ₂ Adsorption. <i>Energy & Fuels</i> , 2018 , 32, 8175-8186	4.1	43
68	High-level integrated deterministic, stochastic and fuzzy cost-duration analysis aids project planning and monitoring, focusing on uncertainties and earned value metrics. <i>Journal of Natural Gas Science and Engineering</i> , 2017 , 37, 303-326	4.6	10
67	Prediction of gas flow rates from gas condensate reservoirs through wellhead chokes using a firefly optimization algorithm. <i>Journal of Natural Gas Science and Engineering</i> , 2017 , 45, 256-271	4.6	36
66	Gas and oil project time-cost-quality tradeoff: Integrated stochastic and fuzzy multi-objective optimization applying a memetic, nondominated, sorting algorithm. <i>Journal of Natural Gas Science and Engineering</i> , 2017 , 45, 143-164	4.6	24
65	Retrospective and future perspective of natural gas liquefaction and optimization technologies contributing to efficient LNG supply: A review. <i>Journal of Natural Gas Science and Engineering</i> , 2017 , 45, 165-188	4.6	71
64	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 world's largest gas field. <i>Journal of Earth Science (Wuhan, China)</i> , 2017 , 28, 857-866	2.2	7
63	Characterization of organic-rich shales for petroleum exploration & exploitation: A review-Part 1: Bulk properties, multi-scale geometry and gas adsorption. <i>Journal of Earth Science (Wuhan, China)</i> , 2017 , 28, 739-757	2.2	26

62	Re-establishing the merits of thermal maturity and petroleum generation multi-dimensional modeling with an Arrhenius Equation using a single activation energy. <i>Journal of Earth Science (Wuhan, China)</i> , 2017 , 28, 804-834	2.2	9
61	Characterization of organic-rich shales for petroleum exploration & exploitation: A review-Part 2: Geochemistry, thermal maturity, isotopes and biomarkers. <i>Journal of Earth Science (Wuhan, China)</i> , 2017 , 28, 758-778	2.2	27
60	Improved predictions of wellhead choke liquid critical-flow rates: Modelling based on hybrid neural network training learning based optimization. <i>Fuel</i> , 2017 , 207, 547-560	7.1	55
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