Stefan Iglauer

List of Publications by Year
in descending order

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324 papers	16,926 citations	12597 71 h-index	25983 112 g-index
327 all docs	327 docs citations	327 times ranked	7113 citing authors

#	Article	IF	Citations
1	Pore structure and fluid distribution of tight sandstone by the combined use of SEM, MICP and X-ray micro-CT. Journal of Petroleum Science and Engineering, 2022, 208, 109241.	2.1	24
2	Optimum geological storage depths for structural H2 geo-storage. Journal of Petroleum Science and Engineering, 2022, 212, 109498.	2.1	43
3	Influence of mineralogy and surfactant concentration on zeta potential in intact sandstone at high pressure. Journal of Colloid and Interface Science, 2022, 607, 401-411.	5.0	40
4	Zeta potential of CO2-rich aqueous solutions in contact with intact sandstone sample at temperatures of 23ÂÂ°C and 40ÂÂ°C and pressures up to 10.0ÂMPa. Journal of Colloid and Interface Science, 2022, 607, 1226-1238.	5.0	15
5	Hydrogen diffusion in coal: Implications for hydrogen geoâ€storage. Journal of Colloid and Interface Science, 2022, 608, 1457-1462.	5.0	68
6	Influence of organic molecules on wetting characteristics of mica/H2/brine systems: Implications for hydrogen structural trapping capacities. Journal of Colloid and Interface Science, 2022, 608, 1739-1749.	5.0	85
7	Alkyl glyceryl ethers as water-based lubricant additives in mixtures with xanthan gum. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 634, 127881.	2.3	11
8	Predictive surface complexation model of the calcite-aqueous solution interface: The impact of high concentration and complex composition of brines. Journal of Colloid and Interface Science, 2022, 609, 852-867.	5.0	13
9	Multi-scale reconstruction of porous media from low-resolution core images using conditional generative adversarial networks. Journal of Natural Gas Science and Engineering, 2022, 99, 104411.	2.1	20
10	Coal cleat network evolution through liquid nitrogen freeze-thaw cycling. Fuel, 2022, 314, 123069.	3.4	24
11	Wettability Alteration during Low-Salinity Water Flooding. Energy & Fuels, 2022, 36, 871-879.	2.5	18
12	Live imaging of micro and macro wettability variations of carbonate oil reservoirs for enhanced oil recovery and CO2 trapping/storage. Scientific Reports, 2022, 12, 1262.	1.6	18
13	Exact Analytical Solutions of Countercurrent Imbibition with Both Capillary and Gravity Effects. Energy & Fuels, 2022, 36, 1457-1469.	2.5	7
14	Coal fines migration: A holistic review of influencing factors. Advances in Colloid and Interface Science, 2022, 301, 102595.	7.0	22
15	Hydrogen wettability of carbonate formations: Implications for hydrogen geo-storage. Journal of Colloid and Interface Science, 2022, 614, 256-266.	5.0	91
16	Wettability of Shale/Oil/Brine Systems: A New Physicochemical and Imaging Approach. , 2022, , .		5
17	Experimental and numerical investigation on the dynamic damage behavior of gas-bearing coal. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2022, 8, 1.	1.3	6
18	H2â^'brine interfacial tension as a function of salinity, temperature, and pressure; implications for hydrogen geo-storage. Journal of Petroleum Science and Engineering, 2022, 213, 110441.	2.1	77

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19	Multiscale and multiphysics inï¬‚uences on ï¬‚uids in unconventional reservoirs: Modeling and simulation. Advances in Geo-Energy Research, 2022, 6, 91-94.	3.1	26
20	Hydrogen Flooding of a Coal Core: Effect on Coal Swelling. Geophysical Research Letters, 2022, 49, .	1.5	35
21	Capillary Sealing Efficiency Analysis of Caprocks: Implication for Hydrogen Geological Storage. Energy & Fuels, 2022, 36, 4065-4075.	2.5	64
22	Assessment of wettability and rock-fluid interfacial tension of caprock: Implications for hydrogen and carbon dioxide geo-storage. International Journal of Hydrogen Energy, 2022, 47, 14104-14120.	3.8	81
23	Mini Review on Wettability in the Methaneâ€“Liquidâ€“Rock System at Reservoir Conditions: Implications for Gas Recovery and Geo-Storage. Energy & Fuels, 2022, 36, 4268-4275.	2.5	12
24	Date-Leaf Carbon Particles for Green Enhanced Oil Recovery. Nanomaterials, 2022, 12, 1245.	1.9	14
25	Experimental investigation and simulation for hybrid of nanocomposite and surfactant as EOR process in carbonate oil reservoirs. Fuel, 2022, 319, 123591.	3.4	10
26	A systematic review of Anhydrite-Bearing Reservoirs: EOR Perspective, CO2-Geo-storage and future research. Fuel, 2022, 320, 123942.	3.4	27
27	Hydrogen storage potential of coals as a function of pressure, temperature, and rank. Journal of Colloid and Interface Science, 2022, 620, 86-93.	5.0	47
28	Impact of prolonged waterâ€gas flow on the performance of polyacrylamide. Journal of Applied Polymer Science, 2022, 139, .	1.3	3
29	Contact Angles of a Brine on a Bituminous Coal in Compressed Hydrogen. Geophysical Research Letters, 2022, 49, .	1.5	20
30	Theoretical study of brine secondary imbibition in sandstone reservoirs: Implications for H2, CH4, and CO2 geo-storage. International Journal of Hydrogen Energy, 2022, 47, 18058-18066.	3.8	17
31	Biodiesel production from tucumÃ£ (Astrocaryum aculeatum Meyer) almond oil applying the electrolytic paste of spent batteries as a catalyst. Renewable Energy, 2022, 191, 919-931.	4.3	4
32	The rock mechanical properties of lacustrine shales: Argillaceous shales versus silty laminae shales. Marine and Petroleum Geology, 2022, 141, 105707.	1.5	12
33	Basalt-H2-brine wettability at geo-storage conditions: Implication for hydrogen storage in basaltic formations. Journal of Energy Storage, 2022, 52, 104745.	3.9	40
34	Experimental evaluation of rock mineralogy on hydrogen-wettability: Implications for hydrogen geo-storage. Journal of Energy Storage, 2022, 52, 104866.	3.9	47
35	Experimental study of electrical heating to enhance oil production from oil-wet carbonate reservoirs. Fuel, 2022, 324, 124559.	3.4	14
36	Fluidâ€“rock interactions and its implications on EOR: Critical analysis, experimental techniques and knowledge gaps. Energy Reports, 2022, 8, 6355-6395.	2.5	30

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37	Laboratorial and analytical study for prediction of porosity changes in carbonaceous shale coupling reactive flow and dissolution. Journal of Petroleum Science and Engineering, 2022, 215, 110670.	2.1	4
38	Hydrogen storage in Majiagou carbonate reservoir in China: Geochemical modelling on carbonate dissolution and hydrogen loss. International Journal of Hydrogen Energy, 2022, 47, 24861-24870.	3.8	39
39	Promising material for large-scale H2 storage and efficient H2-CO2 separation. Separation and Purification Technology, 2022, 298, 121542.	3.9	7
40	Effect of Inorganic Acid Concentration on Sandstone Surface Chemistry Examined via Nuclear Magnetic Resonance. Journal of Physical Chemistry C, 2022, 126, 10863-10871.	1.5	1
41	Hydrogen wettability in carbonate reservoirs: Implication for underground hydrogen storage from geochemical perspective. International Journal of Hydrogen Energy, 2022, 47, 25357-25366.	3.8	34
42	Evaluation the role of natural surfactants from Tanacetum and Tarragon plants in EOR applications. Journal of Molecular Liquids, 2022, 361, 119576.	2.3	14
43	Synergistic Efficiency of Zinc Oxide/Montmorillonite Nanocomposites and a New Derived Saponin in Liquid/Liquid/Solid Interface-Included Systems: Application in Nanotechnology-Assisted Enhanced Oil Recovery. ACS Omega, 2022, 7, 24951-24972.	1.6	15
44	Hydrogen Wettability of Sandstone Reservoirs: Implications for Hydrogen Geoâ€Storage. Geophysical Research Letters, 2021, 48, e2020GL090814.	1.5	110
45	Interaction of low salinity surfactant nanofluids with carbonate surfaces and molecular level dynamics at fluid-fluid interface at ScCO2 loading. Journal of Colloid and Interface Science, 2021, 586, 315-325.	5.0	27
46	Sample preparation for rock wettability studies via atomic force microscopy. APPEA Journal, 2021, 61, 216.	0.4	1
47	X-ray tomography imaging of shale microstructures: A review in the context of multiscale correlative imaging. International Journal of Coal Geology, 2021, 233, 103641.	1.9	69
48	Shale Wettability: Data Sets, Challenges, and Outlook. Energy & Fuels, 2021, 35, 2965-2980.	2.5	76
49	Paleo-Temperature and -Pressure Characteristics of Fluid Inclusions in Composite Veins of the Doushantuo Shale (Yichang Area, South China): Implications for the Preservation and Enrichment of Shale Gas. Energy & Fuels, 2021, 35, 4091-4105.	2.5	5
50	Synergistic Effect of Nanoparticles and Polymers on the Rheological Properties of Injection Fluids: Implications for Enhanced Oil Recovery. Energy & Fuels, 2021, 35, 6125-6135.	2.5	51
51	Effect of humic acid on CO2-wettability in sandstone formation. Journal of Colloid and Interface Science, 2021, 588, 315-325.	5.0	63
52	Adsorption of nanoparticles on glass bead surface for enhancing proppant performance: A systematic experimental study. Journal of Molecular Liquids, 2021, 328, 115398.	2.3	43
53	CO2-wettability reversal of cap-rock by alumina nanofluid: Implications for CO2 geo-storage. Fuel Processing Technology, 2021, 214, 106722.	3.7	64
54	Investigating the mechanism of microbiologically influenced corrosion of carbon steel using X-ray micro-computed tomography. Journal of Materials Science, 2021, 56, 13337-13371.	1.7	6

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55	Hydrogen Adsorption on Subâ€Bituminous Coal: Implications for Hydrogen Geoâ€Storage. Geophysical Research Letters, 2021, 48, e2021GL092976.	1.5	48
56	Geochemical study of the early cretaceous Fahliyan oil reservoir in the northwest Persian Gulf. Journal of Petroleum Exploration and Production, 2021, 11, 2435-2447.	1.2	6
57	Simulating Coal Permeability Change as a Function of Effective Stress Using a Microscale Digital Rock Model. Energy & Fuels, 2021, 35, 8756-8762.	2.5	14
58	Underground hydrogen storage: Influencing parameters and future outlook. Advances in Colloid and Interface Science, 2021, 294, 102473.	7.0	167
59	Influence of Rock Wettability on THF Hydrate Saturation and Distribution in Sandstones. Journal of Physical Chemistry C, 2021, 125, 17323-17332.	1.5	15
60	Improving basalt wettability to de-risk CO2 geo-storage in basaltic formations. Advances in Geo-Energy Research, 2021, 5, 347-350.	3.1	14
61	Rock-fluid interfacial tension at subsurface conditions: Implications for H2, CO2 and natural gas geo-storage. International Journal of Hydrogen Energy, 2021, 46, 25578-25585.	3.8	84
62	A novel CaO-based catalyst obtained from silver croaker (Plagioscion squamosissimus) stone for biodiesel synthesis: Waste valorization and process optimization. Renewable Energy, 2021, 172, 1035-1045.	4.3	17
63	Impact of a novel biosynthesized nanocomposite (SiO2@Montmorilant@Xanthan) on wettability shift and interfacial tension: Applications for enhanced oil recovery. Fuel, 2021, 298, 120773.	3.4	64
64	Molecular dynamics study of the effect of sodium and chloride ions on water-surfactant-hydrocarbon interfaces. Chemical Physics, 2021, 548, 111243.	0.9	6
65	A novel approach to determine the Biotâ€™s coefficient using X-ray computed tomography. Bulletin of Engineering Geology and the Environment, 2021, 80, 7865-7877.	1.6	3
66	Dependence of clay wettability on gas density. , 2021, 11, 1066-1075.		4
67	Current advances in syngas (CO + H2) production through bi-reforming of methane using various catalysts: A review. International Journal of Hydrogen Energy, 2021, 46, 32809-32845.	3.8	85
68	Effect of CO2 Flooding on the Wettability Evolution of Sand-Stone. Energies, 2021, 14, 5542.	1.6	12
69	Drastic enhancement of CO2 adsorption capacity by negatively charged sub-bituminous coal. Energy, 2021, 233, 120924.	4.5	16
70	Neutron scattering: A subsurface application review. Earth-Science Reviews, 2021, 221, 103755.	4.0	26
71	CO2 â€“ brine â€“ sandstone wettability evaluation at reservoir conditions via Nuclear Magnetic Resonance measurements. International Journal of Greenhouse Gas Control, 2021, 111, 103435.	2.3	23
72	Hydrogen wettability of clays: Implications for underground hydrogen storage. International Journal of Hydrogen Energy, 2021, 46, 34356-34361.	3.8	67

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73	Influence of pressure, temperature and organic surface concentration on hydrogen wettability of caprock; implications for hydrogen geo-storage. Energy Reports, 2021, 7, 5988-5996.	2.5	111
74	Liquid nitrogen fracturing efficiency as a function of coal rank: A multi-scale tomographic study. Journal of Natural Gas Science and Engineering, 2021, 95, 104177.	2.1	52
75	Hydrogen wettability of quartz substrates exposed to organic acids; Implications for hydrogen geo-storage in sandstone reservoirs. Journal of Petroleum Science and Engineering, 2021, 207, 109081.	2.1	91
76	Influence of cryogenic liquid nitrogen cooling and thermal shocks on petro-physical and morphological characteristics of Eagle Ford shale. Journal of Natural Gas Science and Engineering, 2021, 96, 104313.	2.1	24
77	Analytical Exact Solution for Co-Current Spontaneous Imbibition in Porous Media Considering Early- and Late-Time Effects. Energy & Fuels, 2021, 35, 17499-17511.	2.5	7
78	Leakage risk assessment of a CO2 storage site: A review. Earth-Science Reviews, 2021, 223, 103849.	4.0	87
79	Supercritical High-Pressure Methane Adsorption on the Lower Cambrian Shuijingtuo Shale in the Huangling Anticline Area, South China: Adsorption Behavior, Storage Characteristics, and Geological Implications. Energy & Fuels, 2021, 35, 19973-19985.	2.5	5
80	Micro-proppant placement in hydraulic and natural fracture stimulation in unconventional reservoirs: A review. Energy Reports, 2021, 7, 8997-9022.	2.5	32
81	Physicochemical Characterization of Zirconia Nanoparticle-Based Sodium Alginate Polymer Suspension for Enhanced Oil Recovery. Energy & Fuels, 2021, 35, 19389-19398.	2.5	24
82	Hydrogen underground storage efi¬ciency in a heterogeneous sandstone reservoir. Advances in Geo-Energy Research, 2021, 5, 437-443.	3.1	45
83	Effect of Rock Wettability on the Electric Resistivity of Hydrate Formations: An Experimental Investigation. Energy & Fuels, 2021, 35, 20037-20045.	2.5	11
84	Shale adhesion force measurements via atomic force microscopy. Oil and Gas Science and Technology, 2021, 76, 73.	1.4	1
85	Effect of nanofluid on CO2-wettability reversal of sandstone formation; implications for CO2 geo-storage. Journal of Colloid and Interface Science, 2020, 559, 304-312.	5.0	108
86	Nano-mechanical Properties and Pore-Scale Characterization of Different Rank Coals. Natural Resources Research, 2020, 29, 1787-1800.	2.2	17
87	Formation water geochemistry for carbonate reservoirs in Ordos basin, China: Implications for hydrocarbon preservation by machine learning. Journal of Petroleum Science and Engineering, 2020, 185, 106673.	2.1	18
88	Removal of rhodamine 6G from synthetic effluents using Clitoria fairchildiana pods as low-cost biosorbent. Environmental Science and Pollution Research, 2020, 27, 2868-2880.	2.7	13
89	Experimental investigation of carbonate wettability as a function of mineralogical and thermo-physical conditions. Fuel, 2020, 264, 116846.	3.4	49
90	Capillary pressure characteristics of CO2-brine-sandstone systems. International Journal of Greenhouse Gas Control, 2020, 94, 102876.	2.3	33

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91	Porosity characteristics of different lithofacies in marine shale: A case study of Neoproterozoic Sinian Doushantuo formation in Yichang area, China. Journal of Petroleum Science and Engineering, 2020, 187, 106856.	2.1	17
92	The interfacial properties of clay-coated quartz at reservoir conditions. Fuel, 2020, 262, 116461.	3.4	39
93	Influence of Cryogenic Liquid Nitrogen on Petro-Physical Characteristics of Mancos Shale: An Experimental Investigation. Energy & Fuels, 2020, 34, 2160-2168.	2.5	69
94	Pore-scale analysis of coal cleat network evolution through liquid nitrogen treatment: A Micro-Computed Tomography investigation. International Journal of Coal Geology, 2020, 219, 103370.	1.9	99
95	Pore scale investigation of low salinity surfactant nanofluid injection into oil saturated sandstone via X-ray micro-tomography. Journal of Colloid and Interface Science, 2020, 562, 370-380.	5.0	78
96	Molecular insights in the temperature effect on adsorption of cationic surfactants at liquid/liquid interfaces. Journal of Molecular Liquids, 2020, 299, 112104.	2.3	29
97	Effect of Nanoparticles on Viscosity and Interfacial Tension of Aqueous Surfactant Solutions at High Salinity and High Temperature. Journal of Surfactants and Detergents, 2020, 23, 327-338.	1.0	35
98	Influence of tailor-made TiO2/API bentonite nanocomposite on drilling mud performance: Towards enhanced drilling operations. Applied Clay Science, 2020, 199, 105862.	2.6	76
99	A review on clay wettability: From experimental investigations to molecular dynamics simulations. Advances in Colloid and Interface Science, 2020, 285, 102266.	7.0	79
100	Carbonate rock mechanical response to CO2 flooding evaluated by a combined X-ray computed tomography â€“ DEM method. Journal of Natural Gas Science and Engineering, 2020, 84, 103675.	2.1	21
101	Basalt-CO2-brine wettability at storage conditions in basaltic formations. International Journal of Greenhouse Gas Control, 2020, 102, 103148.	2.3	23
102	Direct observation of two-phase flow in deformable fractures of shales: A Utica shale example. Journal of Petroleum Science and Engineering, 2020, 194, 107487.	2.1	7
103	Environmental Friendliness and High Performance of Multifunctional Tween 80/ZnO-Nanoparticles-Added Water-Based Drilling Fluid: An Experimental Approach. ACS Sustainable Chemistry and Engineering, 2020, 8, 11224-11243.	3.2	87
104	Impact of anionic surfactant on stability, viscoelastic moduli, and oil recovery of silica nanofluid in saline environment. Journal of Petroleum Science and Engineering, 2020, 195, 107634.	2.1	64
105	Quantitative Statistical Evaluation of Micro Residual Oil after Polymer Flooding Based on X-ray Micro Computed-Tomography Scanning. Energy & Fuels, 2020, 34, 10762-10772.	2.5	19
106	Nanomaterial-Based Drilling Fluids for Exploitation of Unconventional Reservoirs: A Review. Energies, 2020, 13, 3417.	1.6	69
107	Influence of Organic Acid Concentration on Wettability Alteration of Cap-Rock: Implications for CO₂ Trapping/Storage. ACS Applied Materials & Interfaces, 2020, 12, 39850-39858.	4.0	88
108	Application of water treatment sludge as a low-cost and eco-friendly catalyst in the biodiesel production via fatty acids esterification: Process optimization. Energy, 2020, 213, 118824.	4.5	24

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109	Effect of Cryogenic Liquid Nitrogen on the Morphological and Petrophysical Characteristics of Tight Gas Sandstone Rocks from Kirthar Fold Belt, Indus Basin, Pakistan. Energy & Fuels, 2020, 34, 14548-14559.	2.5	43
110	Representative Elementary Volume of Rock Using X-Ray Microcomputed Tomography: A New Statistical Approach. Geofluids, 2020, 2020, 1-13.	0.3	7
111	A Multiscale Investigation of Cross-Linked Polymer Gel Injection in Sandstone Gas Reservoirs: Implications for Water Shutoff Treatment. Energy & Fuels, 2020, 34, 14046-14057.	2.5	17
112	In Situ Wettability Investigation of Aging of Sandstone Surface in Alkane via X-ray Microtomography. Energies, 2020, 13, 5594.	1.6	6
113	Effect of Clay Minerals Heterogeneity on Wettability Measurements: Implications for CO2 Storage. , 2020, , .		5
114	Influence of Total Organic Content on CO2â€“Waterâ€“ Sandstone Wettability and CO2 Geo-Storage Capacity. , 2020, , .		1
115	Morphological and petro physical estimation of Eocene tight carbonate formation cracking by cryogenic liquid nitrogen; a case study of Lower Indus basin, Pakistan. Journal of Petroleum Science and Engineering, 2020, 192, 107318.	2.1	49
116	Reservoir and lithofacies shale classification based on NMR logging. Petroleum Research, 2020, 5, 202-209.	1.6	7
117	Stable Dispersion of Coal Fines during Hydraulic Fracturing Flowback in Coal Seam Gas Reservoirsâ€”An Experimental Study. Energy & Fuels, 2020, 34, 5566-5577.	2.5	64
118	Dynamic Poreâ€Scale Dissolution by CO₂â€Saturated Brine in Carbonates: Impact of Homogeneous Versus Fractured Versus Vuggy Pore Structure. Water Resources Research, 2020, 56, e2019WR026112.	1.7	114
119	A novel approach for using silica nanoparticles in a proppant pack to fixate coal fines. APPEA Journal, 2020, 60, 88.	0.4	24
120	Stress Sensitivity of Fractured and Vuggy Carbonate: An Xâ€Ray Computed Tomography Analysis. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018759.	1.4	78
121	Geochemical controls on wettability alteration at pore-scale during low salinity water flooding in sandstone using X-ray micro computed tomography. Fuel, 2020, 271, 117675.	3.4	36
122	Pineapple (AnanÃ¡s comosus) leaves ash as a solid base catalyst for biodiesel synthesis. Bioresource Technology, 2020, 312, 123569.	4.8	63
123	Carbon dioxide wettability of South West Hub sandstone, Western Australia: Implications for carbon geo-storage. International Journal of Greenhouse Gas Control, 2020, 98, 103064.	2.3	26
124	Effect of total organic carbon (TOC) content on shale wettability at high pressure and high temperature conditions. Journal of Petroleum Science and Engineering, 2020, 193, 107374.	2.1	58
125	Wettability measurements on two sandstones: an experimental investigation before and after CO2 flooding. APPEA Journal, 2020, 60, 117.	0.4	3
126	Coal fracturing through liquid nitrogen treatment: a micro-computed tomography study. APPEA Journal, 2020, 60, 67.	0.4	25

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127	Effect of Nanoparticles on the Interfacial Tension of CO2-Oil System at High Pressure and Temperature: An Experimental Approach. , 2020, , .		12
128	Evaluation of MEG reclamation and natural gas hydrate inhibition during corrosion control switchover. Journal of Petroleum Science and Engineering, 2019, 176, 1175-1186.	2.1	9
129	Residual Trapping of CO₂ in an Oilâ€Filled, Oilâ€Wet Sandstone Core: Results of Threeâ€Phase Poreâ€Scale Imaging. Geophysical Research Letters, 2019, 46, 11146-11154.	1.5	53
130	Effect of Pretreatment Process on Scale Formation in the Re-Boiler Section of Monoethylene Glycol Regeneration Plant. IOP Conference Series: Materials Science and Engineering, 2019, 495, 012106.	0.3	2
131	Analysis of individual molecular dynamics snapshots simulating wetting of surfaces using spheroidal geometric constructions. Journal of Chemical Physics, 2019, 151, .	1.2	4
132	Economic and productivity evaluation of different horizontal drilling scenarios: Middle East oil fields as case study. Journal of Petroleum Exploration and Production, 2019, 9, 2449-2460.	1.2	12
133	Thermodynamic Modeling of Hydrate Phase Equilibria in Methyldiethanolamine Solution in the Presence or Absence of Monoethylene Glycol. Journal of Chemical & Engineering Data, 2019, 64, 4148-4153.	1.0	5
134	Roles of organic and inorganic additives on the surface quality, morphology, and polarization behavior during nickel electrodeposition from various baths: a review. Journal of Applied Electrochemistry, 2019, 49, 847-870.	1.5	34
135	X-ray micro-computed tomography and ultrasonic velocity analysis of fractured shale as a function of effective stress. Marine and Petroleum Geology, 2019, 110, 472-482.	1.5	23
136	Wettability Alteration of Quartz Surface by Low-Salinity Surfactant Nanofluids at High-Pressure and High-Temperature Conditions. Energy & Fuels, 2019, 33, 7062-7068.	2.5	89
137	CO 2 â€Saturated Brine Injection Into Unconsolidated Sandstone: Implications for Carbon Geosequestration. Journal of Geophysical Research: Solid Earth, 2019, 124, 10823-10838.	1.4	10
138	Fracture analysis and in situ stress estimation of a gas condensate field in Persian Gulf using FMI and DSI image logs. SN Applied Sciences, 2019, 1, 1.	1.5	8
139	Performance of erythorbic acid as an oxygen scavenger in salted fresh and degraded monoethylene glycol under a magnetic memory effect. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2364.	0.8	1
140	Petrographic, palynologic and geochemical characteristics of source rocks of the Permian Lucaogou formation in Jimsar Sag, Junggar Basin, NW China: Origin of organic matter input and depositional environments. Journal of Petroleum Science and Engineering, 2019, 183, 106364.	2.1	38
141	Wettability Measurements of Mixed Clay Minerals at Elevated Temperature and Pressure: Implications for CO2 Geo-Storage. , 2019, , .		10
142	Formation damage evaluation of a sandstone reservoir via pore-scale X-ray computed tomography analysis. Journal of Petroleum Science and Engineering, 2019, 183, 106356.	2.1	55
143	Methane (CH₄) Wettability of Clay-Coated Quartz at Reservoir Conditions. Energy & Fuels, 2019, 33, 788-795.	2.5	64
144	Simulation and experimental measurements of internal magnetic field gradients and NMR transverse relaxation times (T2) in sandstone rocks. Journal of Petroleum Science and Engineering, 2019, 175, 985-997.	2.1	49

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145	Effect of the number of water alternating CO2 injection cycles on CO2 trapping capacity. APPEA Journal, 2019, 59, 357.	0.4	12
146	A Multiscale Study on Shale Wettability: Spontaneous Imbibition Versus Contact Angle. Water Resources Research, 2019, 55, 5012-5032.	1.7	65
147	Xâ€ray microâ€computed tomography analysis of accumulated corrosion products in deepâ€water shipwrecks. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 1977-1998.	0.8	6
148	Evaluating chemical-scale-inhibitor performance in external magnetic fields using a dynamic scale loop. Journal of Petroleum Science and Engineering, 2019, 179, 1063-1077.	2.1	13
149	Effect of wettability on particle settlement behavior within Mono-Ethylene Glycol regeneration pre-treatment systems. Journal of Petroleum Science and Engineering, 2019, 179, 831-840.	2.1	10
150	Wettability of Fully Hydroxylated and Alkylated (001) Î±-Quartz Surface in Carbon Dioxide Atmosphere. Journal of Physical Chemistry C, 2019, 123, 9027-9040.	1.5	69
151	An experimental study on the flow characteristics during the leakage of high pressure CO2 pipelines. Chemical Engineering Research and Design, 2019, 125, 92-101.	2.7	30
152	Application of the CLAYFF and the DREIDING Force Fields for Modeling of Alkylated Quartz Surfaces. Langmuir, 2019, 35, 5746-5752.	1.6	15
153	Wettability of rock/CO2/brine and rock/oil/CO2-enriched-brine systems:Critical parametric analysis and future outlook. Advances in Colloid and Interface Science, 2019, 268, 91-113.	7.0	138
154	CO2-wettability of sandstones exposed to traces of organic acids: Implications for CO2 geo-storage. International Journal of Greenhouse Gas Control, 2019, 83, 61-68.	2.3	88
155	Optimizing the Dispersion of Coal Fines Using Sodium Dodecyl Benzene Sulfonate. , 2019, , .		6
156	Organic acid concentration thresholds for ageing of carbonate minerals: Implications for CO2 trapping/storage. Journal of Colloid and Interface Science, 2019, 534, 88-94.	5.0	91
157	In-situ X-ray micro-computed tomography imaging of the microstructural changes in water-bearing medium rank coal by supercritical CO2 flooding. International Journal of Coal Geology, 2019, 203, 28-35.	1.9	43
158	Low-Salinity Surfactant Nanofluid Formulations for Wettability Alteration of Sandstone: Role of the SiO₂ Nanoparticle Concentration and Divalent Cation/SO₄^{2â€“} Ratio. Energy & Fuels, 2019, 33, 739-746.	2.5	50
159	Degradation and hydrate phase equilibria measurement methods of monoethylene glycol. MethodsX, 2019, 6, 6-14.	0.7	4
160	The influence of magnetic fields on calcium carbonate scale formation within monoethylene glycol solutions at regeneration conditions. Journal of Petroleum Science and Engineering, 2019, 173, 158-169.	2.1	21
161	Carbon Dioxide/Brine, Nitrogen/Brine, and Oil/Brine Wettability of Montmorillonite, Illite, and Kaolinite at Elevated Pressure and Temperature. Energy & Fuels, 2019, 33, 441-448.	2.5	61
162	Role of fluid density on quartz wettability. Journal of Petroleum Science and Engineering, 2019, 172, 511-516.	2.1	46

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