Yongqiang Chen

List of Publications by Year
in descending order

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32	935	471061 17	454577 30
papers	citations	h-index	g-index

32	32	32	556
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wettability alteration process at pore-scale during engineered waterflooding using computational fluid dynamics. Modeling Earth Systems and Environment, 2022, 8, 4219-4227.	1.9	2
2	pH effect on wettability of â€“NH+-brine-muscovite system: Implications for low salinity effect in sandstone reservoirs. Journal of Molecular Liquids, 2021, 325, 115049.	2.3	1
3	Geochemical reactions-induced hydrogen loss during underground hydrogen storage in sandstone reservoirs. International Journal of Hydrogen Energy, 2021, 46, 19998-20009.	3.8	95
4	Insights into the nano-structure of oil-brine-kaolinite interfaces: Molecular dynamics and implications for enhanced oil recovery. Applied Clay Science, 2021, 211, 106203.	2.6	10
5	Integral effects of initial fluids configuration and wettability alteration on remaining saturation: characterization with X-ray micro-computed tomography. Fuel, 2021, 306, 121717.	3.4	8
6	Fluidâ€“Fluid Interfacial Effects in Multiphase Flow during Carbonated Waterflooding in Sandstone: Application of X-ray Microcomputed Tomography and Molecular Dynamics. ACS Applied Materials & Interfaces, 2021, 13, 5731-5740.	4.0	7
7	Electrostatic Characterization of the â^'COOHâ€“Brineâ€“Clay System: Implications for Wettability Alteration during Low Salinity Waterflooding in Sandstone Reservoirs. Energy & Fuels, 2021, 35, 16599-16606.	2.5	3
8	Nonuniqueness of hydrodynamic dispersion revealed using fast 4D synchrotron x-ray imaging. Science Advances, 2021, 7, eabj0960.	4.7	14
9	Detecting pH and Ca2+ increase during low salinity waterflooding in carbonate reservoirs: Implications for wettability alteration process. Journal of Molecular Liquids, 2020, 317, 114003.	2.3	28
10	Interpreting micromechanics of fluid-shale interactions with geochemical modelling and disjoining pressure: Implications for calcite-rich and quartz-rich shales. Journal of Molecular Liquids, 2020, 319, 114117.	2.3	11
11	Carbonated waterflooding in carbonate reservoirs: Experimental evaluation and geochemical interpretation. Journal of Molecular Liquids, 2020, 308, 113055.	2.3	5
12	Geochemical insights for CO2 huff-n-puff process in shale oil reservoirs. Journal of Molecular Liquids, 2020, 307, 112992.	2.3	5
13	Direct Evidence of Salinity and pH Effects on the Interfacial Interactions of Asphaltene-Brine-Silica Systems. Molecules, 2020, 25, 1214.	1.7	6
14	Role of brine composition on rock surface energy and its implications for subcritical crack growth in calcite. Journal of Molecular Liquids, 2020, 303, 112638.	2.3	14
15	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
16	Interpreting Water Uptake by Shale with Ion Exchange, Surface Complexation, and Disjoining Pressure. Energy & Fuels, 2019, 33, 8250-8258.	2.5	20
17	Wettability alteration induced water uptake in shale oil reservoirs: A geochemical interpretation for oil-brine-OM interaction during hydraulic fracturing. International Journal of Coal Geology, 2019, 213, 103277.	1.9	31
18	Excess H⁺ Increases Hydrophilicity during CO₂-Assisted Enhanced Oil Recovery in Sandstone Reservoirs. Energy & Fuels, 2019, 33, 814-821.	2.5	31

#	Article	IF	Citations
19	Electrostatic characterization of -NH+-brine-kaolinite system: Implications for low salinity waterflooding in sandstone reservoirs. Journal of Petroleum Science and Engineering, 2019, 179, 539-545.	2.1	15
20	Insights into the wettability alteration of CO2-assisted EOR in carbonate reservoirs. Journal of Molecular Liquids, 2019, 279, 420-426.	2.3	37
21	Low salinity water flooding in high acidic oil reservoirs: Impact of pH on wettability of carbonate reservoirs. Journal of Molecular Liquids, 2019, 281, 444-450.	2.3	54
22	Wetting Behavior of Shale Rocks and Its Relationship to Oil Composition. Energy & Fuels, 2019, 33, 12270-12277.	2.5	12
23	Role of ion exchange, surface complexation, and albite dissolution in low salinity water flooding in sandstone. Journal of Petroleum Science and Engineering, 2019, 176, 126-131.	2.1	25
24	Effect of electrical double layer and ion exchange on low salinity EOR in a pH controlled system. Journal of Petroleum Science and Engineering, 2019, 174, 418-424.	2.1	49
25	Drivers of low salinity effect in sandstone reservoirs. Journal of Molecular Liquids, 2018, 250, 396-403.	2.3	38
26	Oil/water/rock wettability: Influencing factors and implications for low salinity water flooding in carbonate reservoirs. Fuel, 2018, 215, 171-177.	3.4	124
27	Drivers of pH increase and implications for low salinity effect in sandstone. Fuel, 2018, 218, 112-117.	3.4	32
28	Electrostatic Origins of CO2-Increased Hydrophilicity in Carbonate Reservoirs. Scientific Reports, 2018, 8, 17691.	1.6	49
29	Drivers of Wettability Alteration for Oil/Brine/Kaolinite System: Implications for Hydraulic Fracturing Fluids Uptake in Shale Rocks. Energies, 2018, 11, 1666.	1.6	16
30	pH effect on wettability of oil/brine/carbonate system: Implications for low salinity water flooding. Journal of Petroleum Science and Engineering, 2018, 168, 419-425.	2.1	68
31	Drivers of Low Salinity Effect in Carbonate Reservoirs. Energy & Fuels, 2017, 31, 8951-8958.	2.5	53
32	A pH-Resolved Wettability Alteration: Implications for CO₂-Assisted EOR in Carbonate Reservoirs. Energy & Fuels, 2017, 31, 13593-13599.	2.5	36