

Ali Saeedi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6941008/publications.pdf>

Version: 2024-02-01

94
papers

3,168
citations

136740

32
h-index

168136

53
g-index

94
all docs

94
docs citations

94
times ranked

2060
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of pore size spectrum of gas shale reservoirs using low pressure nitrogen adsorption, gas expansion and mercury porosimetry: A case study from the Perth and Canning Basins, Western Australia. <i>Journal of Petroleum Science and Engineering</i> , 2013, 112, 7-16.	2.1	384
2	Tight gas sands permeability estimation from mercury injection capillary pressure and nuclear magnetic resonance data. <i>Journal of Petroleum Science and Engineering</i> , 2012, 88-89, 92-99.	2.1	295
3	Oil/water/rock wettability: Influencing factors and implications for low salinity water flooding in carbonate reservoirs. <i>Fuel</i> , 2018, 215, 171-177.	3.4	124
4	Extended DLVO-based estimates of surface force in low salinity water flooding. <i>Journal of Molecular Liquids</i> , 2016, 221, 658-665.	2.3	114
5	Effect of nanofluid on CO ₂ -wettability reversal of sandstone formation; implications for CO ₂ geo-storage. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 304-312.	5.0	108
6	Influence of Organic Acid Concentration on Wettability Alteration of Cap-Rock: Implications for CO ₂ Trapping/Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39850-39858.	4.0	88
7	The low salinity effect at high temperatures. <i>Fuel</i> , 2017, 200, 419-426.	3.4	84
8	pH effect on wettability of oil/brine/carbonate system: Implications for low salinity water flooding. <i>Journal of Petroleum Science and Engineering</i> , 2018, 168, 419-425.	2.1	68
9	Investigation of moisture effect on methane adsorption capacity of shale samples. <i>Fuel</i> , 2018, 232, 323-332.	3.4	67
10	CO ₂ -wettability reversal of cap-rock by alumina nanofluid: Implications for CO ₂ geo-storage. <i>Fuel Processing Technology</i> , 2021, 214, 106722.	3.7	64
11	Shale alteration after exposure to supercritical CO ₂ . <i>International Journal of Greenhouse Gas Control</i> , 2017, 62, 91-99.	2.3	62
12	N ₂ +CO ₂ +NaCl brine interfacial tensions and contact angles on quartz at CO ₂ storage site conditions in the Gippsland basin, Victoria/Australia. <i>Journal of Petroleum Science and Engineering</i> , 2015, 129, 58-62.	2.1	60
13	An experimental study of combined foam/surfactant polymer (SP) flooding for carbonate dioxide-enhanced oil recovery (CO ₂ -EOR). <i>Journal of Petroleum Science and Engineering</i> , 2017, 149, 603-611.	2.1	59
14	Laboratory studies on CO ₂ foam flooding enhanced by a novel amphiphilic ter-polymer. <i>Journal of Petroleum Science and Engineering</i> , 2016, 138, 153-159.	2.1	57
15	Multiphase flow behaviour during CO ₂ geo-sequestration: Emphasis on the effect of cyclic CO ₂ -brine flooding. <i>Journal of Petroleum Science and Engineering</i> , 2011, 79, 65-85.	2.1	55
16	Low salinity water flooding in high acidic oil reservoirs: Impact of pH on wettability of carbonate reservoirs. <i>Journal of Molecular Liquids</i> , 2019, 281, 444-450.	2.3	54
17	Drivers of Low Salinity Effect in Carbonate Reservoirs. <i>Energy & Fuels</i> , 2017, 31, 8951-8958.	2.5	53
18	Fines migration during CO ₂ injection: Experimental results interpreted using surface forces. <i>International Journal of Greenhouse Gas Control</i> , 2017, 65, 32-39.	2.3	52

#	ARTICLE	IF	CITATIONS
19	An experimental study for carbonate reservoirs on the impact of CO ₂ -EOR on petrophysics and oil recovery. Fuel, 2019, 235, 1019-1038.	3.4	50
20	Electrostatic Origins of CO ₂ -Increased Hydrophilicity in Carbonate Reservoirs. Scientific Reports, 2018, 8, 17691.	1.6	49
21	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
22	Effect of multi-component ions exchange on low salinity EOR: Coupled geochemical simulation study. Petroleum, 2016, 2, 215-224.	1.3	47
23	Experimental investigation of changes in petrophysical properties during CO ₂ injection into dolomite-rich rocks. International Journal of Greenhouse Gas Control, 2017, 59, 74-90.	2.3	41
24	Impact of surface roughness on wettability of oil-brine-calcite system at sub-pore scale. Journal of Molecular Liquids, 2020, 299, 112107.	2.3	39
25	Flood characteristic and fluid rock interactions of a supercritical CO ₂ , brine, rock system: South West Hub, Western Australia. International Journal of Greenhouse Gas Control, 2016, 54, 309-321.	2.3	38
26	Preliminary study of improving reservoir quality of tight gas sands in the near wellbore region by microwave heating. Journal of Natural Gas Science and Engineering, 2016, 32, 395-406.	2.1	38
27	Drivers of low salinity effect in sandstone reservoirs. Journal of Molecular Liquids, 2018, 250, 396-403.	2.3	38
28	Insights into the wettability alteration of CO ₂ -assisted EOR in carbonate reservoirs. Journal of Molecular Liquids, 2019, 279, 420-426.	2.3	37
29	Analytical modelling of wettability alteration-induced micro-fractures during hydraulic fracturing in tight oil reservoirs. Fuel, 2019, 249, 434-440.	3.4	37
30	A pH-Resolved Wettability Alteration: Implications for CO ₂ -Assisted EOR in Carbonate Reservoirs. Energy & Fuels, 2017, 31, 13593-13599.	2.5	36
31	Experimental Evaluations of Polymeric Solubility and Thickeners for Supercritical CO ₂ at High Temperatures for Enhanced Oil Recovery. Energy & Fuels, 2018, 32, 1600-1611.	2.5	36
32	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
33	Drivers of pH increase and implications for low salinity effect in sandstone. Fuel, 2018, 218, 112-117.	3.4	32
34	Insight investigation of miscible SCCO ₂ Water Alternating Gas (WAG) injection performance in heterogeneous sandstone reservoirs. Journal of CO ₂ Utilization, 2018, 28, 255-263.	3.3	32
35	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
36	Excess H ⁺ Increases Hydrophilicity during CO ₂ -Assisted Enhanced Oil Recovery in Sandstone Reservoirs. Energy & Fuels, 2019, 33, 814-821.	2.5	31

#	ARTICLE	IF	CITATIONS
37	Insights into immiscible supercritical CO ₂ EOR: An XCT scanner assisted flow behaviour in layered sandstone porous media. <i>Journal of CO₂ Utilization</i> , 2019, 32, 187-195.	3.3	29
38	Numerical modelling of microwave heating treatment for tight gas sand reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2017, 152, 495-504.	2.1	27
39	Effect of the Fluid–Shale Interaction on Salinity: Implications for High-Salinity Flowback Water during Hydraulic Fracturing in Shales. <i>Energy & Fuels</i> , 2020, 34, 3031-3040.	2.5	27
40	Effect of residual natural gas saturation on multiphase flow behaviour during CO ₂ geo-sequestration in depleted natural gas reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2012, 82-83, 17-26.	2.1	25
41	Role of ion exchange, surface complexation, and albite dissolution in low salinity water flooding in sandstone. <i>Journal of Petroleum Science and Engineering</i> , 2019, 176, 126-131.	2.1	25
42	Experimental Study of Miscible Thickened Natural Gas Injection for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2017, 31, 4951-4965.	2.5	24
43	Influence of Surface Roughness on the Contact Angle due to Calcite Dissolution in an Oil–Brine–Calcite System: A Nanoscale Analysis Using Atomic Force Microscopy and Geochemical Modeling. <i>Energy & Fuels</i> , 2019, 33, 4219-4224.	2.5	24
44	Experimental evaluation of carbonated brine-limestone interactions under reservoir conditions-emphasis on the effect of core scale heterogeneities. <i>International Journal of Greenhouse Gas Control</i> , 2018, 68, 128-145.	2.3	23
45	Influence of Permeability Heterogeneity on Miscible CO ₂ Flooding Efficiency in Sandstone Reservoirs: An Experimental Investigation. <i>Transport in Porous Media</i> , 2018, 125, 341-356.	1.2	21
46	Interpreting Water Uptake by Shale with Ion Exchange, Surface Complexation, and Disjoining Pressure. <i>Energy & Fuels</i> , 2019, 33, 8250-8258.	2.5	20
47	Interfacial, Emulsifying, and Rheological Properties of an Additive of a Natural Surfactant and Polymer and Its Performance Assessment for Application in Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2021, 35, 4823-4834.	2.5	17
48	Evaporation Process and Pore Size Distribution in Tight Sandstones: A Study Using NMR and MICP. <i>Procedia Earth and Planetary Science</i> , 2015, 15, 767-773.	0.6	16
49	Bulk phase Behavior and displacement performance of CO ₂ foam induced by a combined foaming formulation. <i>Journal of Petroleum Science and Engineering</i> , 2016, 147, 864-872.	2.1	16
50	Drivers of Wettability Alteration for Oil/Brine/Kaolinite System: Implications for Hydraulic Fracturing Fluids Uptake in Shale Rocks. <i>Energies</i> , 2018, 11, 1666.	1.6	16
51	Role of Basal-Charged Clays in Low Salinity Effect in Sandstone Reservoirs: Adhesion Force on Muscovite using Atomic Force Microscope. <i>Energy & Fuels</i> , 2019, 33, 756-764.	2.5	16
52	Electrostatic characterization of -NH ⁺ -brine-kaolinite system: Implications for low salinity waterflooding in sandstone reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2019, 179, 539-545.	2.1	15
53	Experimental Study of Multiphase Flow in Porous Media during CO ₂ Geo-Sequestration Processes. , 2012, , .		15
54	Role of brine composition on rock surface energy and its implications for subcritical crack growth in calcite. <i>Journal of Molecular Liquids</i> , 2020, 303, 112638.	2.3	14

#	ARTICLE	IF	CITATIONS
55	Effects of oligomers dissolved in CO ₂ or associated gas on IFT and miscibility pressure with a gas-light crude oil system. Journal of Petroleum Science and Engineering, 2019, 181, 106210.	2.1	13
56	Experimental study of the effect of variation in <i>in situ</i> stress on capillary residual trapping during CO ₂ geo-sequestration in sandstone reservoirs. Geofluids, 2012, 12, 228-235.	0.3	12
57	Evaluation and Optimization Study on a Hybrid EOR Technique Named as Chemical-Alternating-Foam Floods. Oil and Gas Science and Technology, 2017, 72, 1.	1.4	12
58	Response of Non-Polar Oil Component on Low Salinity Effect in Carbonate Reservoirs: Adhesion Force Measurement Using Atomic Force Microscopy. Energies, 2020, 13, 77.	1.6	12
59	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
60	Effective Mechanisms to Relate Initial Rock Permeability to Outcome of Relative Permeability Modification. Energies, 2019, 12, 4688.	1.6	10
61	Impact of mineralogy, salinity, and temperature on the adsorption characteristics of a novel natural surfactant for enhanced oil recovery. Chemical Engineering Communications, 2022, 209, 143-157.	1.5	10
62	The impact of wormhole generation in carbonate reservoirs on CO ₂ -WAG oil recovery. Journal of Petroleum Science and Engineering, 2022, 212, 110354.	2.1	10
63	The Interaction of Reservoir Properties and Microwave Heating – An Experimental and Numerical Modelling Study of Enhanced Gas Recovery (EGR). Procedia Earth and Planetary Science, 2015, 15, 542-548.	0.6	9
64	Modifying the Wettability of Sandstones Using Nonfluorinated Silylation: To Minimize the Water Blockage Effect. Energy & Fuels, 2020, 34, 709-719.	2.5	9
65	Low-Salinity-Assisted Cationic Polyacrylamide Water Shutoff in Low-Permeability Sandstone Gas Reservoirs. Energy & Fuels, 2020, 34, 5524-5536.	2.5	9
66	Chemical-assisted minimum miscibility pressure reduction between oil and methane. Journal of Petroleum Science and Engineering, 2021, 196, 108094.	2.1	9
67	Rock/Fluid/Polymer Interaction Mechanisms: Implications for Water Shut-off Treatment. Energy & Fuels, 2021, 35, 12809-12827.	2.5	9
68	A New Dimensionless Approach to Assess Relative Permeability Modifiers. Energy & Fuels, 2019, 33, 3448-3455.	2.5	8
69	Mechanistic Aspects of Polymeric Relative Permeability Modifier Adsorption onto Carbonate Rocks. Energy & Fuels, 2020, 34, 12065-12077.	2.5	8
70	Effects of CO ₂ -Saturated Brine on the Injectivity and Integrity of Chalk Reservoirs. Transport in Porous Media, 2020, 135, 735-751.	1.2	8
71	New Approach to Alternating Thickened – Unthickened Gas Flooding for Enhanced Oil Recovery. Industrial & Engineering Chemistry Research, 2018, 57, 14637-14647.	1.8	7
72	An Experimental Investigation of Immiscible CO ₂ Flooding Efficiency in Sandstone Reservoirs: Influence of Permeability Heterogeneity. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
73	Alcohol-Assisted Waterflooding in Carbonate Reservoirs. Energy & Fuels, 2019, 33, 10651-10658.	2.5	7
74	Changing Sandstone Rock Wettability with Supercritical CO ₂ -Based Silylation. Energy & Fuels, 2020, 34, 2015-2027.	2.5	7
75	Fluid–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
76	Evaluation of Microwave Heating on Fluid Invasion and Phase Trapping in Tight Gas Reservoirs. , 2015, , .		6
77	Influence of pH on Acidic Oil–Brine–Carbonate Adhesion Using Atomic Force Microscopy. Energy & Fuels, 2020, 34, 13750-13758.	2.5	6
78	Further Insights into the Performance of Silylated Polyacrylamide-Based Relative Permeability Modifiers in Carbonate Reservoirs and Influencing Factors. ACS Omega, 2021, 6, 13671-13683.	1.6	6
79	Wettability alteration using benzoxazine resin: A remedy for water blockage in sandstone gas reservoirs. Fuel, 2021, 291, 120189.	3.4	6
80	An Experimental Study of CO ₂ Saturated Brine Reaction with Berea Sandstone. , 2017, , .		5
81	Carbonated waterflooding in carbonate reservoirs: Experimental evaluation and geochemical interpretation. Journal of Molecular Liquids, 2020, 308, 113055.	2.3	5
82	Geochemical insights for CO ₂ huff-n-puff process in shale oil reservoirs. Journal of Molecular Liquids, 2020, 307, 112992.	2.3	5
83	Laboratory Investigation of Factors Affecting CO ₂ Enhanced Oil and Gas Recovery. , 2013, , .		4
84	Evaluation of the Potential of Low Salinity Water Flooding in the High Temperature and High Salinity Dong-He-Tang Reservoir in the Tarim Oilfield, China: Experimental and Reservoir Simulation Results. , 2016, , .		4
85	Effect of Functional Groups on Chemical-Assisted MMP Reduction of a Methane-Oil System. Energy & Fuels, 2021, 35, 14519-14526.	2.5	3
86	Impact of prolonged water–gas flow on the performance of polyacrylamide. Journal of Applied Polymer Science, 2022, 139, .	1.3	3
87	Impacts of Limestone Vertical Permeability Heterogeneity on Fluid–Rock Interaction During CCS. Transport in Porous Media, 0, , 1.	1.2	2
88	Effects of Permeability, Heterogeneity and Gravity on Supercritical CO ₂ Displacing Gas Under Reservoir Conditions. , 2015, , .		1
89	pH effect on wettability of NH ₄ ⁺ -brine-muscovite system: Implications for low salinity effect in sandstone reservoirs. Journal of Molecular Liquids, 2021, 325, 115049.	2.3	1
90	An Experimental Study on the Flood Characteristic and Fluid Rock Interactions of a Supercritical CO ₂ , Brine, Rock System. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
91	X-Ray Computed Tomography Assisted Investigation of Flow Behaviour of Miscible CO ₂ to Enhance Oil Recovery in Layered Sandstone Porous Media. , 2022, , .		1
92	Evaluation of Miscible CO ₂ WAG/Sandstone Interactions: Emphasis on the Effect of Permeability Heterogeneity and Clay Mineral Content. , 2019, , .		0
93	Direct Gas Thickener. , 2019, , .		0
94	1-Pentanol-Assisted Waterflooding in High Salinity Brine up to 140°C in Carbonate Reservoirs. Energy & Fuels, 2020, 34, 12215-12224.	2.5	0