

Mohammad Hossein Ghazanfari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1203158/publications.pdf>

Version: 2024-02-01

135
papers

3,391
citations

172386

29
h-index

168321

53
g-index

136
all docs

136
docs citations

136
times ranked

2277
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolution and remobilization of NAPL in surfactant-enhanced aquifer remediation from microscopic scale simulations. <i>Chemosphere</i> , 2022, 289, 133177.	4.2	11
2	Reduction of formation damage in horizontal wellbores by application of nano-enhanced drilling fluids: Experimental and modeling study. <i>Journal of Petroleum Science and Engineering</i> , 2022, 210, 110075.	2.1	5
3	Monitoring of microscopic behavior of nano-enhanced colloidal gas aphron in fractured and un-fractured non-uniform porous medium. <i>Journal of Petroleum Science and Engineering</i> , 2022, 210, 110073.	2.1	3
4	Tuning the Wetting Properties of SiO ₂ -Based Nanofluids to Create Durable Surfaces with Special Wettability for Self-Cleaning, Anti-Fouling, and Oil-Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 8005-8019.	1.8	6
5	An insight into the formation of liquid bridge and its role on fracture capillary pressure during gravity drainage in fractured porous media. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, .	0.9	3
6	Experimental and Modelling Study of Gravity Drainage in a Three-Block System. <i>Transport in Porous Media</i> , 2021, 136, 471-494.	1.2	5
7	On the adsorption behavior of a fluorochemical onto carbonate rock with the application of wettability alteration to a gas wetting condition. <i>Journal of Molecular Liquids</i> , 2021, 326, 115031.	2.3	9
8	Atomistic insight into salinity dependent preferential binding of polar aromatics to calcite/brine interface: implications to low salinity waterflooding. <i>Scientific Reports</i> , 2021, 11, 11967.	1.6	17
9	Analysis of evaporating liquid bridge in horizontal fractures. <i>Journal of Petroleum Science and Engineering</i> , 2021, 202, 108577.	2.1	0
10	Atomistic Insight into the Behavior of Ions at an Oil-Bearing Hydrated Calcite Surface: Implication to Ion-Engineered Waterflooding. <i>Energy & Fuels</i> , 2021, 35, 13039-13054.	2.5	9
11	Development of a Computational Fluid Dynamics Compositional Wellbore Simulator for Modeling of Asphaltene Deposition. <i>ACS Omega</i> , 2021, 6, 24196-24208.	1.6	0
12	Effect of silicate sodium and graphene nanoplatelets on morphology and rheology characteristics of new synthesized preformed particle gel (PPG) for water shut-off treatment. <i>Journal of Petroleum Science and Engineering</i> , 2021, 204, 108736.	2.1	22
13	Super gas wet and gas wet rock surface: State-of-the-art evaluation through contact angle analysis. <i>Petroleum</i> , 2021, .	1.3	1
14	Compare numerical modeling and improved understanding of dynamic sessile drop contact angle analysis in Liquid-Solid-Gas system. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106552.	2.1	15
15	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.	1.3	17
16	Modeling of capillary pressure in horizontal rough-walled fractures in the presence of liquid bridges. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106642.	2.1	7
17	Modeling relative permeability of gas condensate reservoirs: Advanced computational frameworks. <i>Journal of Petroleum Science and Engineering</i> , 2020, 189, 106929.	2.1	29
18	Remediation of trapped DNAPL enhanced by SDS surfactant and silica nanoparticles in heterogeneous porous media: experimental data and empirical models. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2658-2669.	2.7	16

#	ARTICLE	IF	CITATIONS
19	The Impact of Salinity on the Interfacial Structuring of an Aromatic Acid at the Calcite/Brine Interface: An Atomistic View on Low Salinity Effect. <i>Journal of Physical Chemistry B</i> , 2020, 124, 224-233.	1.2	21
20	Experimentally based pore network modeling of NAPL dissolution process in heterogeneous porous media. <i>Journal of Contaminant Hydrology</i> , 2020, 228, 103565.	1.6	10
21	Wettability alteration of calcite rock from gas-repellent to gas-wet using a fluorinated nanofluid: A surface analysis study. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103613.	2.1	8
22	Ion-specific interactions at calcite-brine interfaces: a nano-scale study of the surface charge development and preferential binding of polar hydrocarbons. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27999-28011.	1.3	13
23	How do ions contribute to brine-hydrophobic hydrocarbon interfaces? An in silico study. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 337-346.	5.0	18
24	Stick-slip behavior of sessile drop on the surfaces with irregular roughnesses. <i>Chemical Engineering Research and Design</i> , 2020, 160, 216-223.	2.7	4
25	A Deep Look into the Dynamics of Saltwater Imbibition in a Calcite Nanochannel: Temperature Impacts Capillarity Regimes. <i>Langmuir</i> , 2020, 36, 9035-9046.	1.6	10
26	Physicochemical properties of nano-enhanced colloidal gas aphron (NCGA)-based fluids. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	9
27	Static and dynamic evaluation of the effect of nanomaterials on the performance of a novel synthesized PPG for water shut-off and improved oil recovery in fractured reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2020, 189, 107019.	2.1	23
28	Insight into selection of appropriate formulation for colloidal gas aphron (CGA)-based drilling fluids. <i>Petroleum Science</i> , 2020, 17, 759-767.	2.4	8
29	Monitoring Polymer-Enhanced Foam Displacements Through Heterogeneous Porous Media: A Pore-Scale Study. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	1.4	5
30	Pore-Level Investigation of Heavy Crude Oil-Water/Chemicals Displacements in Heterogeneous Porous Media in the Presence of Ultrasounds. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	1.4	4
31	An exact analytical model for fluid flow through finite rock matrix block with special saturation function. <i>Journal of Hydrology</i> , 2019, 577, 123905.	2.3	2
32	Effect of Characteristic Time on Scaling of Breakthrough Time Distribution for Two-Phase Displacement in Percolation Porous Media. <i>Transport in Porous Media</i> , 2019, 130, 889-902.	1.2	1
33	Application of a new approach for modeling the oil field formation damage due to mineral scaling. <i>Oil and Gas Science and Technology</i> , 2019, 74, 62.	1.4	11
34	On the applicability range of Cassie-Baxter and Wenzel equation: a numerical study. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	8
35	Wettability Alteration of Oil-Wet Carbonate Porous Media Using Silica Nanoparticles: Electrokinetic Characterization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18601-18612.	1.8	15
36	Simulating imbibition process using interacting capillary bundle model with corner flow: The role of capillary morphology. <i>Journal of Petroleum Science and Engineering</i> , 2019, 176, 62-73.	2.1	14

#	ARTICLE	IF	CITATIONS
37	Investigating fluid invasion control by Colloidal Gas Aphron (CGA) based fluids in micromodel systems. Journal of Natural Gas Science and Engineering, 2019, 66, 1-10.	2.1	8
38	On the size-dependent behavior of drop contact angle in wettability alteration of reservoir rocks to preferentially gas wetting using nanofluid. Journal of Petroleum Science and Engineering, 2019, 178, 1143-1154.	2.1	25
39	Monitoring the behaviour of anionic polymer-anionic surfactant stabilized foam in the absence and presence of oil: Bulk and bubble-scale experimental analyses. Canadian Journal of Chemical Engineering, 2019, 97, 1386-1398.	0.9	4
40	Rigorous silica solubility estimation in superheated steam: Smart modeling and comparative study. Environmental Progress and Sustainable Energy, 2019, 38, 13089.	1.3	4
41	Authors' reply to a comment on M. Pasdar et al article. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 561, 407-408.	2.3	0
42	A study of liquid drainage rate from foam with population balance equation: impact of bubble evolution. Colloid and Polymer Science, 2018, 296, 1097-1108.	1.0	7
43	Synergistic effect of like and opposite charged nanoparticle and surfactant on foam stability and mobility in the absence and presence of hydrocarbon: A comparative study. Journal of Petroleum Science and Engineering, 2018, 166, 433-444.	2.1	22
44	Insight into the behavior of colloidal gas aphron (CGA) fluids at elevated pressures: An experimental study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 537, 250-258.	2.3	12
45	Adsorption of sodium dodecyl benzene sulfonate onto carbonate rock: Kinetics, equilibrium and mechanistic study. Journal of Dispersion Science and Technology, 2018, 39, 687-699.	1.3	8
46	Impact of Hydrophobicity of SiO ₂ Nanoparticles on Enhancing Properties of Colloidal Gas Aphron Fluids: An Experimental Study. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	1.4	5
47	A new insight into onset of inertial flow in porous media using network modeling with converging/diverging pores. Computational Geosciences, 2018, 22, 329-346.	1.2	5
48	Wettability alteration of reservoir rocks to gas wetting condition: A comparative study. Canadian Journal of Chemical Engineering, 2018, 96, 997-1004.	0.9	23
49	New method for predicting <i>n</i> -tetradecane/bitumen mixture density: correlation development. Oil and Gas Science and Technology, 2018, 73, 35.	1.4	6
50	Wettability Alteration Modeling for Oil-Wet Calcite/Silica Nanoparticle System Using Surface Forces Analysis: Contribution of DLVO versus Non-DLVO Interactions. Industrial & Engineering Chemistry Research, 2018, 57, 14482-14492.	1.8	24
51	Monitoring the role of polymer and surfactant concentrations on bubble size distribution in colloidal gas aphron based fluids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 93-98.	2.3	5
52	Application of Ultrasound Wave for Stimulation of Asphaltene Damaged Reservoir Rocks: An Experimental Study. Scientia Iranica, 2018, .	0.3	0
53	Application of a water based nanofluid for wettability alteration of sandstone reservoir rocks to preferentially gas wetting condition. Journal of Molecular Liquids, 2017, 232, 351-360.	2.3	76
54	Improvement of non-aqueous colloidal gas aphron-based drilling fluids properties: Role of hydrophobic nanoparticles. Journal of Natural Gas Science and Engineering, 2017, 42, 1-12.	2.1	17

#	ARTICLE	IF	CITATIONS
55	Water film rupture in blocked oil recovery by gas injection: Experimental and modeling study. <i>Chemical Engineering Science</i> , 2017, 161, 288-298.	1.9	9
56	Toward a hydrocarbon-based chemical for wettability alteration of reservoir rocks to gas wetting condition: Implications to gas condensate reservoirs. <i>Journal of Molecular Liquids</i> , 2017, 248, 100-111.	2.3	33
57	Effect of ultrasonic irradiation treatment on rheological behaviour of extra heavy crude oil: A solution method for transportation improvement. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 83-91.	0.9	16
58	Comparison of the effect of temperature on asphaltene destabilisation in light and heavy live oils. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 16, 342.	0.1	0
59	Comparison of the effect of temperature on asphaltene destabilisation in light and heavy live oils. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 16, 342.	0.1	0
60	Accurate determination of the CO ₂ -crude oil minimum miscibility pressure of pure and impure CO ₂ streams: A robust modelling approach. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 253-261.	0.9	64
61	On the effect of temperature on precipitation and aggregation of asphaltenes in light live oils. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1820-1829.	0.9	39
62	Effect of nanoparticle behaviour on mud cake buildup for directional and horizontal wells: mathematical modelling and experimental study. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 975-999.	1.3	1
63	Modeling of non-Darcy flow through anisotropic porous media: Role of pore space profiles. <i>Chemical Engineering Science</i> , 2016, 151, 93-104.	1.9	34
64	Modeling of asphaltene aggregation phenomena in live oil systems at high pressure-high temperature. <i>Fluid Phase Equilibria</i> , 2016, 423, 55-73.	1.4	22
65	Potential Application of Silica Nanoparticles for Wettability Alteration of Oil-Wet Calcite: A Mechanistic Study. <i>Energy & Fuels</i> , 2016, 30, 3947-3961.	2.5	93
66	Pore-scale analysis of filtration loss control by Colloidal Gas Aphron Nano-Fluids (CGANF) in heterogeneous porous media. <i>Experimental Thermal and Fluid Science</i> , 2016, 77, 327-336.	1.5	12
67	Effects of low-salinity water coupled with silica nanoparticles on wettability alteration of dolomite at reservoir temperature. <i>Petroleum Science and Technology</i> , 2016, 34, 1345-1351.	0.7	40
68	Wettability modification, interfacial tension and adsorption characteristics of a new surfactant: Implications for enhanced oil recovery. <i>Fuel</i> , 2016, 185, 199-210.	3.4	61
69	Kinetics of asphaltene aggregation phenomena in live oils. <i>Journal of Molecular Liquids</i> , 2016, 222, 359-369.	2.3	24
70	The Role of Carbon Nanotubes in Improving Thermal Stability of Polymeric Fluids: Experimental and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7514-7534.	1.8	43
71	New correlations for predicting pure and impure natural gas viscosity. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 30, 364-378.	2.1	23
72	Using the Recovery Curve Method for In-Situ Wettability Determination in a Fractured Porous Medium. <i>Energy Technology</i> , 2015, 3, 518-526.	1.8	4

#	ARTICLE	IF	CITATIONS
73	Experimental investigation of heavy oil recovery by continuous/WAG injection of CO ₂ saturated with silica nanoparticles. International Journal of Oil, Gas and Coal Technology, 2015, 9, 169.	0.1	18
74	Worm-like micelles: A new approach for heavy oil recovery from fractured systems. Canadian Journal of Chemical Engineering, 2015, 93, 951-958.	0.9	24
75	Characterization of viscous fingering during displacements of low tension natural surfactant in fractured multi-layered heavy oil systems. Chemical Engineering Research and Design, 2015, 96, 23-34.	2.7	10
76	Application of the Recovery Curve Method for evaluation of matrix-fracture interactions. Journal of Natural Gas Science and Engineering, 2015, 22, 447-458.	2.1	16
77	Spotlight on kinetic and equilibrium adsorption of a new surfactant onto sandstone minerals: A comparative study. Journal of the Taiwan Institute of Chemical Engineers, 2015, 50, 12-23.	2.7	42
78	Rheology, stability and filtration characteristics of Colloidal Gas Aphron fluids: Role of surfactant and polymer type. Journal of Natural Gas Science and Engineering, 2015, 26, 895-906.	2.1	26
79	Relative permeability and capillary pressure curves for low salinity water flooding in sandstone rocks. Journal of Natural Gas Science and Engineering, 2015, 25, 30-38.	2.1	42
80	Random walk simulation of miscible flow through heterogeneous 2D porous media considering dispersion tensor. Chemical Engineering Science, 2015, 132, 81-92.	1.9	8
81	Rigorous modeling of permeability impairment due to inorganic scale deposition in porous media. Journal of Petroleum Science and Engineering, 2015, 130, 26-36.	2.1	15
82	Reversibility of Asphaltene Aggregation in Live Oils: Qualitative and Quantitative Evaluation. Journal of Chemical & Engineering Data, 2015, 60, 2646-2654.	1.0	22
83	History matching of naturally fractured reservoirs based on the recovery curve method. Journal of Petroleum Science and Engineering, 2015, 126, 211-221.	2.1	13
84	Herschel-Bulkley rheological parameters of lightweight colloidal gas aphron (CGA) based fluids. Chemical Engineering Research and Design, 2015, 93, 21-29.	2.7	50
85	MACROSCOPIC AND MICROSCOPIC INVESTIGATION OF ALKALINE-SURFACTANT-POLYMER FLOODING IN HEAVY OIL RECOVERY USING FIVE-SPOT MICROMODELS: THE EFFECT OF SHALE GEOMETRY AND CONNATE WATER SATURATION. Journal of Porous Media, 2015, 18, 745-762.	1.0	4
86	Investigation of the microscopic displacement mechanisms and macroscopic behavior of alkaline flooding at different wettability conditions in shaly glass micromodels. Journal of Petroleum Science and Engineering, 2014, 122, 595-615.	2.1	39
87	Application of foam floods for enhancing heavy oil recovery through stability analysis and core flood experiments. Canadian Journal of Chemical Engineering, 2014, 92, 1975-1987.	0.9	29
88	Simultaneous/sequential alkaline-surfactant-polymer flooding in fractured/non-fractured carbonate reservoirs. Canadian Journal of Chemical Engineering, 2014, 92, 918-927.	0.9	7
89	Prediction of the aqueous solubility of BaSO ₄ using pitzer ion interaction model and LSSVM algorithm. Fluid Phase Equilibria, 2014, 374, 48-62.	1.4	56
90	State-of-the-Art Least Square Support Vector Machine Application for Accurate Determination of Natural Gas Viscosity. Industrial & Engineering Chemistry Research, 2014, 53, 945-958.	1.8	84

#	ARTICLE	IF	CITATIONS
91	Enhanced Heavy Oil Recovery in Sandstone Cores Using TiO ₂ Nanofluids. Energy & Fuels, 2014, 28, 423-430.	2.5	234
92	Experimental Determination of Interfacial Tension and Miscibility of the CO ₂ -Crude Oil System; Temperature, Pressure, and Composition Effects. Journal of Chemical & Engineering Data, 2014, 59, 61-69.	1.0	157
93	Application of constrained multi-variable search methods for prediction of PVT properties of crude oil systems. Fluid Phase Equilibria, 2014, 363, 121-130.	1.4	69
94	Monitoring the influence of dispersed nano-particles on oil-water relative permeability hysteresis. Journal of Petroleum Science and Engineering, 2014, 124, 222-231.	2.1	46
95	Experimental investigation of simultaneous water and CO ₂ (SWACO ₂) injection for oil recovery in immiscible and near-miscible conditions: A comparative study. Canadian Journal of Chemical Engineering, 2014, 92, 1791-1797.	0.9	4
96	Prediction of Methane Uptake on Different Adsorbents in Adsorbed Natural Gas Technology Using a Rigorous Model. Energy & Fuels, 2014, 28, 6299-6314.	2.5	27
97	Experimental Determination of Equilibrium Interfacial Tension for Nitrogen-Crude Oil during the Gas Injection Process: The Role of Temperature, Pressure, and Composition. Journal of Chemical & Engineering Data, 2014, 59, 3461-3469.	1.0	45
98	The impact of silica nanoparticles on the performance of polymer solution in presence of salts in polymer flooding for heavy oil recovery. Fuel, 2014, 123, 123-132.	3.4	190
99	Toward mechanistic understanding of heavy crude oil/brine interfacial tension: The roles of salinity, temperature and pressure. Fluid Phase Equilibria, 2014, 375, 191-200.	1.4	225
100	Predicting the solubility of SrSO ₄ in Na-Ca-Mg-Sr-Cl-SO ₄ -H ₂ O system at elevated temperatures and pressures. Fluid Phase Equilibria, 2014, 374, 86-101.	1.4	23
101	Experimental investigation of water alternating CH ₄ -CO ₂ mixture gas injection in light oil reservoirs. International Journal of Oil, Gas and Coal Technology, 2014, 8, 31.	0.1	1
102	Monitoring and Characterizing the Finger Patterns Developed by Miscible Displacement in Fractured Heavy Oil Systems. Industrial & Engineering Chemistry Research, 2013, 52, 10853-10863.	1.8	5
103	Experimental and numerical investigation of polymer flooding in fractured heavy oil five-spot systems. Journal of Petroleum Science and Engineering, 2013, 108, 370-382.	2.1	33
104	A pore-level screening study on miscible/immiscible displacements in heterogeneous models. Journal of Petroleum Science and Engineering, 2013, 110, 40-54.	2.1	21
105	Non-equilibrium model of three-phase flow in porous media in presence of capillary and gravity forces. Journal of Hydrology, 2013, 478, 119-131.	2.3	6
106	Experimental Investigation of Microscopic/Macroscopic Efficiency of Polymer Flooding in Fractured Heavy Oil Five-Spot Systems. Journal of Energy Resources Technology, Transactions of the ASME, 2013, 135, .	1.4	36
107	Analytical Modeling of Oil Production from a Matrix Block by Free Fall Gravity Drainage Mechanism. Energy Exploration and Exploitation, 2013, 31, 821-832.	1.1	4
108	NON-EQUILIBRIUM MODEL OF GRAVITY DRAINAGE IN A SINGLE BLOCK. Journal of Porous Media, 2013, 16, 559-571.	1.0	0

#	ARTICLE	IF	CITATIONS
109	Experimental Study of Polymer Flooding in Fractured Systems Using Five-Spot Glass Micromodel: The Role of Fracture Geometrical Properties. <i>Energy Exploration and Exploitation</i> , 2012, 30, 689-705.	1.1	18
110	A Comparative Study on WAS, SWAS, and Solvent-Soak Scenarios Applied to Heavy-Oil Reservoirs Using Five-Spot Glass Micromodels. <i>Journal of Canadian Petroleum Technology</i> , 2012, 51, 383-392.	2.3	7
111	FIVE-SPOT INJECTION/PRODUCTION WELL LOCATION DESIGN BASED ON FRACTURE GEOMETRICAL CHARACTERISTICS IN HEAVY OIL FRACTURED RESERVOIRS DURING MISCIBLE DISPLACEMENT: AN EXPERIMENTAL APPROACH. <i>Chemical Engineering Communications</i> , 2012, 199, 306-320.	1.5	3
112	Phase Behavior Modeling of Asphaltene Precipitation for Heavy Crudes: A Promising Tool Along with Experimental Data. <i>International Journal of Thermophysics</i> , 2012, 33, 2251-2266.	1.0	5
113	EXPERIMENTAL STUDY OF MISCIBLE DISPLACEMENT WITH HYDROCARBON SOLVENT IN SHALY HEAVY OIL RESERVOIRS USING FIVE-SPOT MICROMODELS: THE ROLE OF SHALE GEOMETRICAL CHARACTERISTICS. <i>Journal of Porous Media</i> , 2012, 15, 415-427.	1.0	8
114	Monitoring wettability alteration by silica nanoparticles during water flooding to heavy oils in five-spot systems: A pore-level investigation. <i>Experimental Thermal and Fluid Science</i> , 2012, 40, 168-176.	1.5	186
115	Characterizing the Role of Shale Geometry and Connate Water Saturation on Performance of Polymer Flooding in Heavy Oil Reservoirs: Experimental Observations and Numerical Simulations. <i>Transport in Porous Media</i> , 2012, 91, 973-998.	1.2	23
116	A NEW EMPIRICAL CORRELATION FOR PREDICTING EFFECTIVE MOLECULAR DIFFUSIVITY OF GAS-HEAVY OIL-POROUS MEDIA SYSTEMS. <i>Special Topics and Reviews in Porous Media</i> , 2012, 3, 23-33.	0.6	1
117	THE GAS-OIL GRAVITY DRAINAGE MODEL IN A SINGLE MATRIX BLOCK: A NEW RELATIONSHIP BETWEEN RELATIVE PERMEABILITY AND CAPILLARY PRESSURE FUNCTIONS. <i>Journal of Porous Media</i> , 2011, 14, 709-720.	1.0	26
118	Prediction of Asphaltene Precipitation During Solvent/CO ₂ Injection Conditions: A Comparative Study on Thermodynamic Micellization Model With a Different Characterization Approach and Solid Model. <i>Journal of Canadian Petroleum Technology</i> , 2011, 50, 65-74.	2.3	4
119	Monitoring of asphaltene precipitation: Experimental and modeling study. <i>Journal of Petroleum Science and Engineering</i> , 2011, 78, 384-395.	2.1	34
120	An improvement of thermodynamic micellization model for prediction of asphaltene precipitation during gas injection in heavy crude. <i>Fluid Phase Equilibria</i> , 2011, 308, 153-163.	1.4	15
121	Pore-Scale Monitoring of Wettability Alteration by Silica Nanoparticles During Polymer Flooding to Heavy Oil in a Five-Spot Glass Micromodel. <i>Transport in Porous Media</i> , 2011, 87, 653-664.	1.2	124
122	Pore-Level Observation of Free Gravity Drainage of Oil in Fractured Porous Media. <i>Transport in Porous Media</i> , 2011, 87, 561-584.	1.2	31
123	QUANTIFYING THE ROLE OF PORE GEOMETRY AND MEDIUM HETEROGENEITY ON HEAVY OIL RECOVERY DURING SOLVENT/CO-SOLVENT FLOODING IN WATER-WET SYSTEMS. <i>Journal of Porous Media</i> , 2011, 14, 363-373.	1.0	9
124	FACTORS AFFECTING THE GRAVITY DRAINAGE MECHANISM FROM A SINGLE MATRIX BLOCK IN NATURALLY FRACTURED RESERVOIRS. <i>Special Topics and Reviews in Porous Media</i> , 2011, 2, 115-124.	0.6	18
125	Statistical Model for Dispersion in a 2D Glass Micromodel. <i>SPE Journal</i> , 2010, 15, 301-312.	1.7	10
126	Pore-Level Investigation of Heavy Oil Recovery During Water Alternating Solvent Injection Process. <i>Transport in Porous Media</i> , 2010, 83, 653-666.	1.2	31

#	ARTICLE	IF	CITATIONS
127	Experimental Study of Solvent Flooding to Heavy Oil in Fractured Five-Spot Micro-Models: The Role of Fracture Geometrical Characteristics. Journal of Canadian Petroleum Technology, 2010, 49, 36-43.	2.3	42
128	Experimental and Theoretical Investigation of Inorganic Scale Deposition in Carbonated Micromodels. , 2009, , .		0
129	Studying the Effects of Pore Geometry, Wettability and Co-Solvent Types on the Efficiency of Solvent Flooding to Heavy Oil in Five-Spot Models. , 2009, , .		7
130	Theoretical Modeling of Reinfiltration Process in Naturally Fractured Reservoirs: A Comparative Study on Traveling Liquid Bridges and Continuum Film Flow Approaches. , 2009, , .		6
131	Experimental Investigation of Factors Affecting Miscible Two-Phase Flow in Fractured and Non-Fractured Micromodels. , 2008, , .		2
132	Effect of Heterogeneity of Layered Reservoirs on Polymer Flooding: An Experimental Approach Using 5-Spot Glass Micromodel. , 2008, , .		12
133	Transitional granular flow in a spinning bucket at high frequencies. Physica D: Nonlinear Phenomena, 2004, 188, 40-64.	1.3	4
134	The Impact of Nanoparticles Geometry and Particle Size on Formation Damage Induced by Drilling Nano-Fluid during Dynamic Filtration. Journal of Nano Research, 0, 43, 81-97.	0.8	6
135	The Impact of the Double Cross-Phase Diffusion Mechanism on Oil Recovery during CO ₂ Injection into Fractured Rocks: A Simulation Study. ACS Omega, 0, , .	1.6	0