

Berna Hascakir

List of Publications by Year in descending order

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55
papers

1,146
citations

394421

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h-index

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all docs

56
docs citations

56
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Resins, Asphaltenes, and Water in Water-Oil Emulsion Breaking with Microwave Heating. Energy & Fuels, 2015, 29, 3684-3690.	5.1	85
2	Recovery of Turkish Oil Shales by Electromagnetic Heating and Determination of the Dielectric Properties of Oil Shales by an Analytical Method. Energy & Fuels, 2010, 24, 503-509.	5.1	53
3	The residual oil saturation determination for Steam Assisted Gravity Drainage (SAGD) and Solvent-SAGD. Fuel, 2016, 172, 187-195.	6.4	53
4	Predictability of Crude Oil In-Situ Combustion by the Isoconversional Kinetic Approach. SPE Journal, 2011, 16, 537-547.	3.1	50
5	Experimental and Numerical Simulation of Oil Recovery from Oil Shales by Electrical Heating. Energy & Fuels, 2008, 22, 3976-3985.	5.1	48
6	How to select the right solvent for solvent-aided steam injection processes. Journal of Petroleum Science and Engineering, 2016, 146, 746-751.	4.2	48
7	Stability Determination of Asphaltenes through Dielectric Constant Measurements of Polar Oil Fractions. Energy & Fuels, 2017, 31, 65-72.	5.1	48
8	The Effect of Clay Type on Steam-Assisted-Gravity-Drainage Performance. Journal of Canadian Petroleum Technology, 2015, 54, 412-423.	2.3	47
9	Asphaltene Precipitation During Bitumen Extraction With Expanding-Solvent Steam-Assisted Gravity Drainage: Effects on Pore-Scale Displacement. SPE Journal, 2016, 21, 380-392.	3.1	46
10	Microwave-Assisted Heavy Oil Production: An Experimental Approach. Energy & Fuels, 2009, 23, 6033-6039.	5.1	43
11	Effect of Asphaltene Characteristics on Its Solubility and Overall Stability. Energy & Fuels, 2018, 32, 6482-6487.	5.1	38
12	A review of enhanced oil recovery (EOR) methods applied in Kazakhstan. Petroleum, 2021, 7, 1-9.	2.8	33
13	Laboratory screening tests on the effect of initial oil saturation for the dynamic control of in-situ combustion. Fuel Processing Technology, 2015, 130, 224-234.	7.2	31
14	Water/Rock Interaction for Eagle Ford, Marcellus, Green River, and Barnett Shale Samples and Implications for Hydraulic-Fracturing-Fluid Engineering. SPE Journal, 2017, 22, 162-171.	3.1	30
15	The Polarity of Crude Oil Fractions Affects the Asphaltenes Stability. , 2016, , .		29
16	Field-Scale Analysis of Heavy-Oil Recovery by Electrical Heating. SPE Reservoir Evaluation and Engineering, 2010, 13, 131-142.	1.8	27
17	In-situ kerogen extraction via combustion and pyrolysis. Journal of Petroleum Science and Engineering, 2017, 154, 502-512.	4.2	25
18	Effect of clay presence and solvent dose on hybrid solvent-steam performance. Journal of Petroleum Science and Engineering, 2017, 150, 203-207.	4.2	25

#	ARTICLE	IF	CITATIONS
19	A review of issues, characteristics, and management for wastewater due to hydraulic fracturing in the U.S.. Journal of Petroleum Science and Engineering, 2021, 202, 108536.	4.2	22
20	Water and aromatics fraction interaction at elevated temperature and their impact on reaction kinetics of in-situ combustion. Journal of Petroleum Science and Engineering, 2018, 169, 24-32.	4.2	20
21	Effect of solvent type on emulsion formation in steam and solvent-steam flooding processes for heavy oil recovery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125783.	4.7	20
22	The Role of Asphaltenes in Emulsion Formation for Steam Assisted Gravity Drainage (SAGD) and Expanding Solvent - SAGD (ES-SAGD). , 2014, , .		19
23	The Impact of Clay Type on the Asphaltene Deposition during Bitumen Extraction with Steam Assisted Gravity Drainage. , 2015, , .		19
24	The Impact of Asphaltene Precipitation and Clay Migration on Wettability Alteration for Steam Assisted Gravity Drainage (SAGD) and Expanding Solvent-SAGD (ES-SAGD). , 2015, , .		19
25	Increasing the Penetration Depth of Microwave Radiation Using Acoustic Stress to Trigger Piezoelectricity. Energy & Fuels, 2019, 33, 6327-6334.	5.1	19
26	The Effect of Clay and Salinity on Asphaltene Stability. , 2016, , .		18
27	The Effect of Brine Concentration on Asphaltene Stability. , 2016, , .		17
28	Mechanism of polymer adsorption on shale surfaces: Effect of polymer type and presence of monovalent and divalent salts. Petroleum, 2017, 3, 384-390.	2.8	16
29	Design of flow control devices in steam-assisted gravity drainage (SAGD) completion. Journal of Petroleum Exploration and Production, 2018, 8, 785-797.	2.4	16
30	Impact of asphaltenes and clay interaction on in-situ combustion performance. Fuel, 2020, 268, 117358.	6.4	16
31	A Laboratory Study of the Impact of Reinjecting Flowback Fluids on Formation Damage in the Marcellus Shale. SPE Journal, 2020, 25, 788-799.	3.1	15
32	Intermolecular Interaction between Heavy Crude Oils and Surfactants during Surfactant-Steam Flooding Process. ACS Omega, 2020, 5, 27383-27392.	3.5	14
33	Estimation of pseudo-relative permeability curves through an analytical approach for steam assisted gravity drainage (SAGD) and solvent aided-steam assisted gravity drainage. Journal of Unconventional Oil and Gas Resources, 2016, 16, 45-52.	3.5	11
34	Characterization of complex permittivity for consolidated core samples by utilization of mixing rules. Journal of Petroleum Science and Engineering, 2019, 181, 106178.	4.2	11
35	Wettability Alteration During Solvent Assisted-Steam Flooding with Asphaltenes-Insoluble Solvents. , 2016, , .		10
36	The Pore Scale Description of Carbon Dioxide Storage into High Asphaltene Content Reservoirs. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
37	Anionic Surfactant and Heavy Oil Interaction during Surfactant-Steam Process. , 2019, , .		9
38	Investigation of cutting transport in horizontal/deviated annulus using visualization and pressure drop techniques for two-phase slurry flow. Journal of Natural Gas Science and Engineering, 2022, 100, 104460.	4.4	9
39	Pore Scale Displacement Mechanism of Bitumen Extraction with High Molecular Weight Hydrocarbon Solvents. , 2016, , .		6
40	A New Approach to Determine Asphaltenes Stability. , 2017, , .		6
41	Effect of Clay Type on Emulsion Formation in Steam and Solvent Steamflooding. SPE Journal, 2021, , 1-11.	3.1	6
42	Introduction to thermal enhanced oil recovery (EOR) special issue. Journal of Petroleum Science and Engineering, 2018, 171, 1292-1293.	4.2	5
43	Catalytic Impact of Clays During In-Situ Combustion. , 2020, , .		5
44	The Interaction of Asphaltenes with Solvents Water and Clays During Bitumen Extraction through Solvent-Steam Injection. , 2016, , .		4
45	Effect of Crude Oil Composition on Microwave Absorption of Heavy Oils. , 2019, , .		4
46	Management of Steam Flashing in SAGD Completion Design via the Implementation of Flow Control Devices. , 2015, , .		3
47	Surfactant Flooding Performance for a Canadian Bitumen Recovery: Effect of Polarity. , 2020, , .		3
48	The Use of Asphaltenes Precipitants and Environmentally Friendly Solvents During Solvent-Steam Processes. , 2019, , .		2
49	Role of Intermolecular Forces on Surfactant-Steam Performance Into Heavy Oil Reservoirs. , 2020, , .		2
50	Miscible Flooding for Bitumen Recovery with a Novel Solvent. , 2021, , .		2
51	Interaction of n-pentane and n-heptane insoluble asphaltenes in brine with clay and sand. Journal of Petroleum Science and Engineering, 2022, 209, 109870.	4.2	2
52	Impact of Clay Type on SAGD Performance Part II: Microscopic Scale Analysis of Clay-Sand-Asphaltene Interactions in Spent Rock. , 2017, , .		1
53	Carbon Dioxide Storage in High Asphaltene Content Oil Reservoirs. , 2017, , .		1
54	Impact of Clay type on SAGD Performance Part I: Microscopic Scale Analysis of Clay-SARA Interactions in Produced Oil. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
55	Heavy Oil Extraction in Texas with a Novel Downhole Steam Generation Method: A Field-Scale Experiment. , 2018, , .		0