

Irek I Mukhamatdinov

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

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430442

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42
all docs

42
docs citations

42
times ranked

129
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a catalyst based on mixed iron oxides for intensification the production of heavy hydrocarbon feedstocks. <i>Fuel</i> , 2022, 312, 123005.	3.4	12
2	Thermal Behavior of Heavy Oil Catalytic Pyrolysis and Aquathermolysis. <i>Catalysts</i> , 2022, 12, 449.	1.6	19
3	Changes in Heavy Oil Saturates and Aromatics in the Presence of Microwave Radiation and Iron-Based Nanoparticles. <i>Catalysts</i> , 2022, 12, 514.	1.6	15
4	Iron oxide nanoparticles impact on improving reservoir rock minerals catalytic effect on heavy oil aquathermolysis. <i>Fuel</i> , 2022, 327, 124956.	3.4	22
5	Application of Aromatic and Industrial Solvents for Enhancing Heavy Oil Recovery from the Ashalcha Field. <i>Energy & Fuels</i> , 2021, 35, 374-385.	2.5	25
6	Extra-Heavy Oil Aquathermolysis Using Nickel-Based Catalyst: Some Aspects of In-Situ Transformation of Catalyst Precursor. <i>Catalysts</i> , 2021, 11, 189.	1.6	35
7	Investigation of Structural-Phase Conversion of an Iron-Containing Catalyst by Mössbauer Spectroscopy (Part 2). <i>Journal of Applied Spectroscopy</i> , 2021, 88, 92-96.	0.3	3
8	Transformation of Resinous Components of the Ashalcha Field Oil during Catalytic Aquathermolysis in the Presence of a Cobalt-Containing Catalyst Precursor. <i>Catalysts</i> , 2021, 11, 745.	1.6	13
9	Influence of Naphthenic Hydrocarbons and Polar Solvents on the Composition and Structure of Heavy-Oil Aquathermolysis Products. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13191-13203.	1.8	6
10	In-Situ Heavy Oil Aquathermolysis in the Presence of Nanodispersed Catalysts Based on Transition Metals. <i>Processes</i> , 2021, 9, 127.	1.3	45
11	Underground Upgrading of the Heavy Crude Oil in Content-Saturated Sandstone with Aquathermolysis in the Presence of an Iron Based Catalyst. <i>Catalysts</i> , 2021, 11, 1255.	1.6	7
12	Influence of Adhesive Additives on the Aging of Oxidized Road Bitumen. <i>Chemistry for Sustainable Development</i> , 2021, 29, 683-690.	0.0	0
13	Aquathermolysis of high-viscosity oil terrigenous sediments in the presence of iron oxide (II, III). , 2021, 3, 75-81.		0
14	Influence of Co-based catalyst on subfractional composition of heavy oil asphaltenes during aquathermolysis. <i>Journal of Petroleum Science and Engineering</i> , 2020, 186, 106721.	2.1	33
15	Investigation of Structural Phase Conversions of an Iron-Containing Catalyst by Mossbauer Spectroscopy (Part 1). <i>Journal of Applied Spectroscopy</i> , 2020, 87, 680-684.	0.3	3
16	Heavy oil aquathermolysis in the presence of rock-forming minerals and iron oxide (II, III) nanoparticles. <i>Petroleum Science and Technology</i> , 2020, 38, 574-579.	0.7	22
17	Catalytic Aquathermolysis of Boca de Jaruco Heavy Oil with Nickel-Based Oil-Soluble Catalyst. <i>Processes</i> , 2020, 8, 532.	1.3	35
18	The Composition and Structure of Ultra-Dispersed Mixed Oxide (II, III) Particles and Their Influence on In-Situ Conversion of Heavy Oil. <i>Catalysts</i> , 2020, 10, 114.	1.6	32

#	ARTICLE	IF	CITATIONS
19	Comparative Kinetic Study on Heavy Oil Oxidation in the Presence of Nickel Tallate and Cobalt Tallate. Energy & Fuels, 2019, 33, 9107-9113.	2.5	19
20	The composition of aromatic destruction products of Domanic shale kerogen after aquathermolysis. Petroleum Science and Technology, 2019, 37, 390-395.	0.7	24
21	A new approach for measuring rheology of polymer solutions in reservoir conditions. Journal of Petroleum Science and Engineering, 2019, 181, 106160.	2.1	2
22	The aquathermolysis of heavy oil from Riphean-Vendian complex with iron-based catalyst: FT-IR spectroscopy data. Petroleum Science and Technology, 2019, 37, 1410-1416.	0.7	11
23	Changes in the subfractional composition of heavy oil asphaltenes under aquathermolysis with oil-soluble CO-based catalyst. Petroleum Science and Technology, 2019, 37, 1589-1595.	0.7	17
24	Influence of nanosized iron oxides (II, III) on conversion of biodegraded oil. Petroleum Science and Technology, 2019, 37, 971-976.	0.7	12
25	Effects of calcite and dolomite on conversion of heavy oil under subcritical condition. Petroleum Science and Technology, 2019, 37, 687-693.	0.7	35
26	Study of the oxidized and non-oxidized bitumen modified with additive «Adgezolin» by using electron paramagnetic resonance. IOP Conference Series: Earth and Environmental Science, 2018, 155, 012004.	0.2	2
27	Intraformation Transformation of Heavy Oil by Mixed Fe(II, III) Oxides. Chemistry and Technology of Fuels and Oils, 2018, 54, 574-580.	0.2	21
28	Aquathermolysis of heavy oil in reservoir conditions with the use of oil-soluble catalysts: part II «changes in composition of aromatic hydrocarbons. Petroleum Science and Technology, 2018, 36, 1850-1856.	0.7	30
29	Aquathermolysis of heavy oil in reservoir conditions with the use of oil-soluble catalysts: part I «changes in composition of saturated hydrocarbons. Petroleum Science and Technology, 2018, 36, 1829-1836.	0.7	31
30	Aquathermolysis of heavy oil in reservoir conditions with the use of oil-soluble catalysts: part III «changes in composition resins and asphaltenes. Petroleum Science and Technology, 2018, 36, 1857-1863.	0.7	35
31	Composition of aquathermolysis catalysts forming in situ from oil-soluble catalyst precursor mixtures. Journal of Petroleum Science and Engineering, 2018, 169, 44-50.	2.1	45
32	The catalytic effects of carbonate minerals on characteristics of heavy oil in hydrothermal reactions. Petroleum Science and Technology, 2018, 36, 1439-1445.	0.7	5
33	Study of Fractional Composition of Asphaltenes in Hydrocarbon Material. Chemistry and Technology of Fuels and Oils, 2018, 54, 44-50.	0.2	12
34	INVESTIGATION OF PHYSICAL AND MECHANICAL PROPERTIES OF ASPHALT MIXTURES MODIFIED BY ADHESIVE ADDITIVE. , 2018, , .		0
35	Aquathermolysis of High-Viscosity Oil in the Presence of an Oil-Soluble Iron-Based Catalyst. Chemistry and Technology of Fuels and Oils, 2017, 53, 666-674.	0.2	22
36	A Study of the Rheological Properties of Road Asphalts Modified by an Adhesive Additive. Chemistry and Technology of Fuels and Oils, 2017, 53, 683-691.	0.2	2

#	ARTICLE	IF	CITATIONS
37	RHEOLOGY AND WETTABILITY CONTROL OF POLYMER SOLUTIONS BASED ON POLYACRYLAMIDE IN ENHANCED OIL RECOVERY. , 2017, , .		1
38	Modifying Complex Additive for Asphalt Binder. Chemistry and Technology of Fuels and Oils, 2016, 52, 588-592.	0.2	1
39	MATERIAL COMPOSITION OF COASTAL MARINE PLACER DEPOSITS OF THE ARABIAN SEA COAST (KOLLAM,) Tj ETQq1 1 0.784314 rgBT	1	1
40	MATERIAL COMPOSITION OF THE UPPER JURASSIC HORIZON OF TEVLINSKO-RUSSKINSKY FIELD (WEST) Tj ETQq0 0 0 rgBT /Qverlock 10		