Makhmut Yakubov

List of Publications by Year
in descending order

60 papers	447 citations	687363 13 h-index	839539 18 g-index
61 all docs	61 docs citations	61 times ranked	232 citing authors

#	Article	IF	Citations
1	Features of the composition of vanadyl porphyrins in the crude extract of asphaltenes of heavy oil with high vanadium content. Petroleum Science and Technology, 2016, 34, 177-183.	1.5	32
2	Concentrations of vanadium and nickel and their ratio in heavy oil asphaltenes. Petroleum Chemistry, 2016, 56, 16-20.	1.4	31
3	Methods for Studying Petroleum Porphyrins (Review). Petroleum Chemistry, 2019, 59, 1077-1091.	1.4	24
4	Structural-group composition and properties of heavy oil asphaltenes modified with sulfuric acid. Petroleum Science and Technology, 2016, 34, 1805-1811.	1.5	23
5	Differentiation of heavy oils according to the vanadium and nickel content in asphaltenes and resins. Petroleum Chemistry, 2017, 57, 849-854.	1.4	22
6	Chromatographic Isolation of Petroleum Vanadyl Porphyrins Using Sulfocationites as Sorbents. Energy & Fuels, 2018, 32, 161-168.	5.1	20
7	Inhibition of Asphaltene Precipitation by Resins with Various Contents of Vanadyl Porphyrins. Energy & Fuels, 2016, 30, 8997-9002.	5.1	19
8	Comparative Study of Resins and Asphaltenes of Heavy Oils as Sources for Obtaining Pure Vanadyl Porphyrins by the Sulfocationite-Based Chromatographic Method. Energy & Fuels, 2018, 32, 12435-12446.	5.1	19
9	Role of Vanadylporphyrins in the Flocculation and Sedimentation of Asphaltenes of Heavy Oils with High Vanadium Content. Energy & Fuels, 2017, 31, 13382-13391.	5.1	18
10	Variation of the composition of asphaltenes in the course of bitumen aging in the presence of antioxidants. Russian Journal of Applied Chemistry, 2013, 86, 1070-1075.	0.5	17
11	Synthesis of Asphaltene-Based Strongly Acidic Sulfonated Cation Exchangers and Determination of Their Catalytic Properties in the 2,2-Dimethyl-1,3-Dioxolane Synthesis Reaction. Petroleum Chemistry, 2020, 60, 709-715.	1.4	17
12	Vanadium and paramagnetic vanadyl complexes content in asphaltenes of heavy oils of various productive sediments. Petroleum Science and Technology, 2017, 35, 1468-1472.	1.5	16
13	Composition and Properties of Heavy Oil Resins. Petroleum Chemistry, 2020, 60, 637-647.	1.4	16
14	Chromatographic isolation of vanadyl porphyrins from heavy oil resins. Russian Chemical Bulletin, 2017, 66, 1450-1455.	1.5	13
15	Heavy Oil Residues: Application as a Low-Cost Filler in Polymeric Materials. Civil Engineering Journal (Iran), 2019, 5, 2554-2568.	3.9	11
16	Effect of Synthesis Conditions of Asphaltene Sulfocationites on their Composition and Sorbtion Properties. Indian Journal of Science and Technology, 2016, 8, .	0.7	10
17	Impact of Asphaltenes on the Adsorption Behavior of Petroleum Vanadyl Porphyrins: Kinetic and Thermodynamic Aspects. Energy & Fuels, 2021, 35, 14527-14541.	5.1	9
18	Comparative Analysis of Extractive Methods of Porphyrin Separation from Heavy Oil Asphatenes. Chemistry and Technology of Fuels and Oils, 2013, 49, 232-238.	0.5	7

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19	Composition and sorption properties of asphaltene sulfonates. Petroleum Science and Technology, 2017, 35, 2152-2157.	1.5	7
20	Study of the heavy oil asphaltenes oxidation products composition using EPR and IR spectroscopy. Petroleum Science and Technology, 2020, 38, 992-997.	1.5	7
21	Simple Methods for the Separation of Various Subfractions from Coal and Petroleum Asphaltenes. Energy & Fuels, 2020, 34, 6523-6543.	5.1	7
22	Preparative-scale purification of petroleum vanadyl porphyrins by sulfuric acid loaded macroporous silica. Journal of Porphyrins and Phthalocyanines, 2020, 24, 528-537.	0.8	7
23	Interrelation of Flocculation, Precipitation, and Structure of Asphaltene Fractions. Chemistry and Technology of Fuels and Oils, 2013, 49, 25-31.	0.5	6
24	Method of Unification of the Relative Measurement Units for the Concentrations of V(IV) and Free Radicals in Crude Oils and Asphaltenes. Russian Journal of Applied Chemistry, 2005, 78, 1194-1196.	0.5	5
25	Sulfuric Acid Assisted Extraction and Fractionation of Porphyrins From Heavy Petroleum Residuals With a High Content of Vanadium and Nickel. Petroleum Science and Technology, 2015, 33, 992-998.	1.5	5
26	Vanadium and Nickel Distribution in Resin Fractions of High-Sulfur Heavy Oils. Chemistry and Technology of Fuels and Oils, 2018, 53, 862-868.	0.5	5
27	Composition of the Products of Thermolysis of Heavy Oil with the Addition of Light Hydrocracked Naphtha. Petroleum Science and Technology, 2018, 36, 1683-1689.	1.5	5
28	Thermal stability and sorption properties of asphaltene sulfocathionites. Petroleum Science and Technology, 2018, 36, 1837-1842.	1.5	5
29	Preparation of Asphaltene-Based Anion-Exchange Resins and Their Adsorption Capacity in the Treatment of Phenol-Containing Wastewater. Petroleum Chemistry, 2021, 61, 624-630.	1.4	5
30	A Comparative Analysis of Vanadyl Porphyrins Isolated from Resins of Heavy Oils with High and Low Vanadium Content. Processes, 2021, 9, 2235.	2.8	5
31	Complexes of Transition Metals with Petroleum Porphyrin Ligands: Preparation and Evaluation of Catalytic Ability. Catalysts, 2021, 11, 1506.	3.5	5
32	Composition and Properties of Oxidation Products of Heavy Oil Resid Asphaltenes. Chemistry and Technology of Fuels and Oils, 2015, 51, 222-230.	0.5	4
33	Isolation of Porphyrins from Heavy Oil Objects. , 0, , .		4
34	Variation of heavy oil composition during thermolysis with the addition of kerosene fraction of hydrocracking in flow reactor. Petroleum Science and Technology, 2019, 37, 323-328.	1.5	4
35	Influence of the Composition of the Sulfuric Acid Cation Exchanger on the Efficiency of Chromatographic Purification of Petroleum Vanadyl Porphyrins. Russian Journal of Applied Chemistry, 2020, 93, 888-896.	0.5	4
36	Non-Porous Sulfonic Acid Catalysts Derived from Vacuum Residue Asphaltenes for Glycerol Valorization via Ketalization with Acetone. Catalysts, 2021, 11, 776.	3.5	4

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37	Application of Ethylene Tar as an Additive in Visbreaking of Petroleum Vacuum Residue. Energy & Fuels, 2021, 35, 15684-15694.	5.1	4
38	Extraction of Highly Condensed Polyaromatic Components from Petroleum Asphaltenes. Petroleum Chemistry, 2021, 61, 424-430.	1.4	3
39	Nitration of Petroleum Asphaltenes with Concentrated Nitric Acid under Various Conditions. Chemistry and Technology of Fuels and Oils, 2021, 57, 645-652.	0.5	3
40	Preparation of Redox Ion-Exchange Materials Based on Petroleum Asphaltenes. Petroleum Chemistry, 2022, 62, 222-228.	1.4	3
41	Distribution of vanadium and vanadyl porphyrins during fractionation of resins of heavy sulfurous oils. Petroleum Science and Technology, 2018, 36, 1319-1324.	1.5	2
42	Experimental Study of the Effect of Composite Solvent and Asphaltenes Contents on Efficiency of Heavy Oil Recovery Processes at Injection of Light Hydrocarbons. , 0, , .		2
43	Distribution of Vanadium and Nickel in the Case of Two-Step Solvent Fractionation of Asphaltenes of Heavy Oils. Petroleum Chemistry, 2019, 59, S30-S36.	1.4	2
44	Evaluation of the Catalytic Ability of Sulfocationites Based on Petroleum Asphaltenes in the Synthesis of Pyrazolidin-3-one. Kataliz V Promyshlennosti, 2020, 20, 359-365.	0.3	2
45	Obtaining Pure Vanadyl Porphyrins from Heavy Petroleum Residue to Create Catalysts for Various Processes. Kataliz V Promyshlennosti, 2020, 20, 352-358.	0.3	2
46	A Comparative Analysis of Vanadyl Porphyrins Isolated from Heavy Oil Asphaltenes with High and Low Vanadium Content. Petroleum Chemistry, 2022, 62, 83-93.	1.4	2
47	Applicability of Express Methods of Determination of Efficiency of Solvents for Recovery of Heavy Oil from Carbonate Reservoirs. Chemistry and Technology of Fuels and Oils, 2019, 55, 568-576.	0.5	1
48	Distribution of Vanadium and Nickel During Sequential Fractionation of Heavy Crude Oil Resins by Adsorption Chromatographic Separation and Extraction. Petroleum Chemistry, 2021, 61, 561-567.	1.4	1
49	Assessing the Catalytic Ability of Sulfocationites Based on Oil Asphaltenes in the Synthesis of Pyrazolidin-3-One. Catalysis in Industry, 2020, 12, 323-329.	0.7	1
50	Adsorption-Extrographic Preconcentration of Petroleum Vanadyl Porphyrins from Dimethylformamide Extract of Heavy Petroleum Asphaltenes. Russian Journal of Applied Chemistry, 2021, 94, 1324-1333.	0.5	1
51	Relationship of Light Absorption and Vanadium Content in Asphaltenes and Resins of Heavy Oils. Petroleum Science and Technology, 2018, 36, 1657-1662.	1.5	0
52	Effect of Natural Amphiphiles in Resins on Asphaltene Stability. , 2018, , .		0
53	Effect of Natural Amphiphiles in Resins on Asphaltene Stability (Russian). , 2018, , .		0
54	Changes in the composition of heavy oil during thermolysis in the presence of molten sodium without hydrogen. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, , 1-11.	2.3	0

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55	Obtaining Pure Vanadyl Porphyrins from Heavy Oil Residues to Form Bases of Catalysts for Different Processes. Catalysis in Industry, 2021, 13, 105-110.	0.7	0
56	Features of the Isotopeâ€“Geochemical Carbon Composition of Oil in Fields at the South Tatar Arch. Geochemistry International, 2021, 59, 548-558.	0.7	0
57	Adsorption of Phenol by Nitro and Amino Derivatives of Petroleum Asphaltenes. Chemistry and Technology of Fuels and Oils, 2021, 57, 758-763.	0.5	0
58	Abiotic Degradation of Petroleum Asphaltenes. Chemistry and Technology of Fuels and Oils, 2021, 57, 792-795.	0.5	0
59	A Comparative Analysis of the Solubility of Asphaltene Fractions with Addition of Petroleum Vanadyl Porphyrins. Petroleum Chemistry, 2022, 62, 240-249.	1.4	0
60	Features of composition of heavy oil thermolysis products produced with addition of maltene fraction. Petroleum Science and Technology, 0, , 1-10.	1.5	0