

Mikhail A Varfolomeev

List of Publications by Year in descending order

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211
papers

4,821
citations

109137

35
h-index

168136

53
g-index

212
all docs

212
docs citations

212
times ranked

2013
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of mass losses and evolved gases of crude oil and its SARA components during low-temperature oxidation by isothermal TG&FTIR analyses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 4099-4112.	2.0	13
2	Intensification of the steam stimulation process using bimetallic oxide catalysts of MFe ₂ O ₄ (M=Co, Cu). <i>Journal of Petroleum Production</i> , 2022, 12, 577-587.	1.2	6
3	Reconsideration of the micellization theory: Promotion or inhibition of gas hydrate formation for gas storage and flow assurance applications. <i>Chemical Engineering Journal</i> , 2022, 427, 131852.	6.6	32
4	NMR chemical shifts of carbon atoms and characteristic shift ranges in the oil sample. <i>Petroleum Research</i> , 2022, 7, 269-274.	1.6	4
5	Effect of decalin as hydrogen-donor for in-situ upgrading of heavy crude oil in presence of nickel-based catalyst. <i>Fuel</i> , 2022, 313, 122652.	3.4	23
6	Catalytic combustion of heavy oil using ⁵⁷ Fe-Fe ₂ O ₃ nanocatalyst in in-situ combustion process. <i>Journal of Petroleum Science and Engineering</i> , 2022, 209, 109819.	2.1	7
7	Isothermal oxidation behavior of heavy crude oil and its low-temperature oxidized oils: Implications for in-situ upgrading of heavy oil. <i>Fuel</i> , 2022, 313, 122704.	3.4	14
8	Screening of Surfactants for Flooding at High-Mineralization Conditions: Two Production Zones of Carbonate Reservoir. <i>Energies</i> , 2022, 15, 411.	1.6	3
9	Using the oil-soluble copper-based catalysts with different organic ligands for in-situ catalytic upgrading of heavy oil. <i>Fuel</i> , 2022, 312, 122914.	3.4	14
10	Theoretical insight into the catalytic effect of transition metal ions on the aquathermal degradation of heavy oil: A DFT study of cyclohexyl phenyl amine cleavage. <i>Fuel</i> , 2022, 312, 123002.	3.4	3
11	Hydrothermal conversion of oil shale: Synthetic oil generation and micro-scale pore structure change. <i>Fuel</i> , 2022, 312, 122786.	3.4	17
12	Evaluation of Allergenic and Mutagenic Activity In Vivo of New Gas Hydrate and Corrosion Inhibitors Based on Waterborne Polyurethanes. <i>BioNanoScience</i> , 2022, 12, 256-266.	1.5	2
13	Novel Nonylphenol Polyethoxylated Based Surfactants for Enhanced Oil Recovery for High-Mineralization Carbonate Reservoir. <i>Energies</i> , 2022, 15, 961.	1.6	3
14	Study of native oil-bearing rocks of the Cuban basin by high resolution NMR spectroscopy. <i>Petroleum Research</i> , 2022, 7, 495-499.	1.6	1
15	Sublimation Study of Six 5-Substituted-1,10-Phenanthrolines by Knudsen Effusion Mass Loss and Solution Calorimetry. <i>Entropy</i> , 2022, 24, 192.	1.1	2
16	Overview of the Late Jurassic Madbi-Sab'atayn petroleum system in the Marib Concession, northwestern Sab'atayn Basin (Yemen): hydrocarbon from source to trapping. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	2
17	On the use of metallic nanoparticulated catalysts for in-situ oil upgrading. <i>Fuel</i> , 2022, 313, 122677.	3.4	23
18	Catalytic combustion of heavy crude oil by oil-dispersed copper-based catalysts: Effect of different organic ligands. <i>Fuel</i> , 2022, 316, 123335.	3.4	7

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19	State of the Art and Prospects for the Development of the Hydrate-based Technology for Natural Gas Storage and Transportation (A Review). <i>Petroleum Chemistry</i> , 2022, 62, 127-140.	0.4	10
20	Novel Foaming Agent Based on Waterborne Polyurethane for Foam-Assisted Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2022, 36, 2572-2581.	2.5	1
21	Experimental and Numerical Analysis of Thermal EOR Recovery Schemes for Extra-Heavy Oil of the Oykino-Altuninsky Uplift of the Romashkinskoye Oilfield. , 2022, , .		5
22	Regulating the Spin State of Single Noble Metal Atoms by Hydroxyl for Selective Dehydrogenation of CH ₄ Direct Conversion to CH ₃ OH. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13344-13351.	4.0	10
23	Application of TGA-MS technique for oil shale characterization and kinetics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 10767-10774.	2.0	3
24	Effective Inhibition of Carbon Steel Corrosion by Waterborne Polyurethane Based on N-tert-Butyl Diethanolamine in 2M HCl: Experimental and Computational Findings. <i>Energies</i> , 2022, 15, 1939.	1.6	1
25	Novel low-field NMR method for characterization content and SARA composition of bitumen in rocks. <i>Journal of Petroleum Science and Engineering</i> , 2022, 214, 110486.	2.1	7
26	FTIR spectral study of intermolecular interactions of C=O groups of amides in solution. <i>Journal of Molecular Liquids</i> , 2022, 354, 118838.	2.3	9
27	Thermochemistry of hydrogen bonding of ethers with aliphatic alcohols. <i>Thermochimica Acta</i> , 2022, 711, 179203.	1.2	1
28	Dual Promotionâ€“Inhibition Effects of Novel Ethylenediaminetetraacetic Acid Bisamides on Methane Hydrate Formation for Gas Storage and Flow Assurance Applications. <i>Energy & Fuels</i> , 2022, 36, 290-297.	2.5	18
29	Factors influencing hydrogen peroxide decomposition dynamics for thermochemical treatment of bottomhole zone. <i>Journal of Petroleum Exploration and Production</i> , 2022, 12, 2587-2598.	1.2	8
30	Crude Oil Oxidation in an Air Injection Based Enhanced Oil Recovery Process: Chemical Reaction Mechanism and Catalysis. <i>Energy & Fuels</i> , 2022, 36, 5209-5227.	2.5	20
31	Effect of Different Water Content and Catalyst on the Performance of Heavy Oil Oxidation in Porous Media for In Situ Upgrading. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 9234-9248.	1.8	4
32	Entropy-stabilized metal oxide nanoparticles supported on reduced graphene oxide as a highly active heterogeneous catalyst for selective and solvent-free oxidation of toluene: a combined experimental and numerical investigation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14488-14500.	5.2	12
33	Hydrogen donating capacity of water in catalytic and non-catalytic aquathermolysis of extra-heavy oil: Deuterium tracing study. <i>Fuel</i> , 2021, 283, 118957.	3.4	58
34	Low-field NMR-relaxometry as fast and simple technique for in-situ determination of SARA-composition of crude oils. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107990.	2.1	27
35	Effect of inlet pressure on crude oil combustion -laboratory approach-. <i>Journal of Petroleum Science and Engineering</i> , 2021, 198, 108174.	2.1	3
36	Mechanistic and kinetic insight into catalytic oxidation process of heavy oil in in-situ combustion process using copper (â€¦) stearate as oil soluble catalyst. <i>Fuel</i> , 2021, 284, 118981.	3.4	29

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37	Influence of Water Saturation, Grain Size of Quartz Sand and Hydrate-Former on the Gas Hydrate Formation. <i>Energies</i> , 2021, 14, 1272.	1.6	13
38	CO ₂ -responsive preformed gel particles with interpenetrating networks for controlling CO ₂ breakthrough in tight reservoirs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126065.	2.3	25
39	Gas Hydrate and Corrosion Inhibition Performance of the Newly Synthesized Polyurethanes: Potential Dual Function Inhibitors. <i>Energy & Fuels</i> , 2021, 35, 6113-6124.	2.5	36
40	Experimental study of non-oxidized and oxidized bitumen obtained from heavy oil. <i>Scientific Reports</i> , 2021, 11, 8107.	1.6	7
41	Homogeneous Photocatalytic Hydrogen Evolution System with Assembly of CdSe Quantum Dots and Graphene Oxide. <i>Topics in Catalysis</i> , 2021, 64, 567-575.	1.3	1
42	TGA and DSC investigation of different clay mineral effects on the combustion behavior and kinetics of crude oil from Kazan region, Russia. <i>Journal of Petroleum Science and Engineering</i> , 2021, 200, 108364.	2.1	18
43	Oil-Dispersed Fe ₂ O ₃ Nanoparticles as a Catalyst for Improving Heavy Oil Oxidation. <i>Energy & Fuels</i> , 2021, 35, 10498-10511.	2.5	15
44	Advances in the Study of Gas Hydrates by Dielectric Spectroscopy. <i>Molecules</i> , 2021, 26, 4459.	1.7	0
45	Effect of copper stearate as catalysts on the performance of in-situ combustion process for heavy oil recovery and upgrading. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109125.	2.1	51
46	Deep Insights into Heavy Oil Upgrading Using Supercritical Water by a Comprehensive Analysis of GC, GC-MS, NMR, and SEM-EDX with the Aid of EPR as a Complementary Technical Analysis. <i>ACS Omega</i> , 2021, 6, 135-147.	1.6	25
47	Oxidation Characteristics and Kinetics of Shale Oil Using High-Pressure Differential Scanning Calorimetry. <i>Energy & Fuels</i> , 2021, 35, 18726-18732.	2.5	9
48	Fundamental insight into pyrolysis and oxidation process of ferric (III) stearate. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 161, 105367.	2.6	2
49	Geochemical and physical properties of oils collected from several wells in the Shabwah depression, Yemen: implications of their characteristic organic matter input and maturity. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	1
50	Feasibility of Gas Injection Efficiency for Low-Permeability Sandstone Reservoir in Western Siberia: Experiments and Numerical Simulation. <i>Energies</i> , 2021, 14, 7718.	1.6	5
51	Response to Comment on Oil-Dispersed Fe ₂ O ₃ Nanoparticles as a Catalyst for Improving Heavy Oil Oxidation. <i>Energy & Fuels</i> , 2021, 35, 20413-20417.	2.5	1
52	Numerical Simulation via CFD Methods of Nitrogen Flooding in Carbonate Fractured-Vuggy Reservoirs. <i>Energies</i> , 2021, 14, 7554.	1.6	2
53	Oxidation of Heavy Oil Using Oil-Dispersed Transition Metal Acetylacetonate Catalysts for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2021, 35, 20284-20299.	2.5	7
54	Characteristics of Viscoelastic-Surfactant-Induced Wettability Alteration in Porous Media. <i>Energies</i> , 2021, 14, 8454.	1.6	2

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55	Influence of Carbonate Minerals on Heavy Oil Oxidation Behavior and Kinetics by TG-FTIR. <i>Energies</i> , 2021, 14, 8136.	1.6	3
56	Nonylphenol Ethoxylate Surfactants Modified by Carboxyl Groups for Foam EOR at High-Salinity Conditions. <i>Energies</i> , 2021, 14, 8205.	1.6	2
57	Thermal effect caused by low temperature oxidation of heavy crude oil and its in-situ combustion behavior. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106521.	2.1	27
58	Low-temperature combustion behavior of crude oils in porous media under air flow condition for in-situ combustion (ISC) process. <i>Fuel</i> , 2020, 259, 116293.	3.4	42
59	Hydrothermal upgrading of heavy oil in the presence of water at sub-critical, near-critical and supercritical conditions. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106592.	2.1	67
60	Effect of calcite and dolomite on crude oil combustion characterized by TG-FTIR. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106550.	2.1	11
61	Thermochemistry of di-substituted benzenes: Ortho-, meta-, and para-hydroxyacetophenones. <i>Journal of Chemical Thermodynamics</i> , 2020, 140, 105893.	1.0	6
62	Non-isothermal pyrolysis and combustion kinetics of heavy oil and its low temperature oxidation products by thermal analyses. <i>Petroleum Science and Technology</i> , 2020, 38, 398-404.	0.7	3
63	The effect of water on combustion behavior of crude oils. <i>Journal of Petroleum Science and Engineering</i> , 2020, 186, 106700.	2.1	6
64	Verification of solution calorimetry approach for determination of vaporization and sublimation enthalpies in different solvents: Example of disubstituted benzenes. <i>Thermochimica Acta</i> , 2020, 685, 178456.	1.2	3
65	Interaction between aromatics and n-alkane for in-situ combustion process. <i>Journal of Petroleum Science and Engineering</i> , 2020, 187, 106770.	2.1	14
66	Low-temperature oxidation reactions of crude oils using TGA&DSC techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 775-781.	2.0	17
67	Petroleum Coke Combustion in Fixed Fluidized Bed Mode in the Presence of Metal Catalysts. <i>ACS Omega</i> , 2020, 5, 22171-22178.	1.6	9
68	Comparison of micro-DSC and light scattering methods for studying the phase behavior of n-alkane in the oil-in-water dispersion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 2035-2041.	2.0	6
69	Low-temperature combustion characteristics of heavy oils by a self-designed porous medium thermo-effect cell. <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107863.	2.1	14
70	Toward a bio-based hybrid inhibition of gas hydrate and corrosion for flow assurance. <i>Energy</i> , 2020, 210, 118549.	4.5	36
71	In-situ catalytic upgrading of heavy oil using oil-soluble transition metal-based catalysts. <i>Fuel</i> , 2020, 281, 118753.	3.4	66
72	Dual-Function Synergists Based on Glucose and Sucrose for Gas Hydrate and Corrosion Inhibition. <i>Energy & Fuels</i> , 2020, 34, 13717-13727.	2.5	30

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73	Qualitative and Quantitative Analysis of Heavy Crude Oil Samples and Their SARA Fractions with ¹³ C Nuclear Magnetic Resonance. Processes, 2020, 8, 995.	1.3	21
74	Corrigendum to "The Oil-Bearing Strata of Permian Deposits of the Ashalcha Oil Field Depending on the Content, Composition, and Thermal Effects of Organic Matter Oxidation in the Rocks" Geofluids, 2020, 2020, 1-1.	0.3	0
75	Theoretical Insights into the Catalytic Effect of Transition-Metal Ions on the Aquathermal Degradation of Sulfur-Containing Heavy Oil: A DFT Study of Cyclohexyl Phenyl Sulfide Cleavage. ACS Omega, 2020, 5, 19589-19597.	1.6	6
76	Performance of Waterborne Polyurethanes in Inhibition of Gas Hydrate Formation and Corrosion: Influence of Hydrophobic Fragments. Molecules, 2020, 25, 5664.	1.7	23
77	Oxidation characteristics of heavy oil and its SARA fractions during combustion using TG-FTIR. Journal of Petroleum Science and Engineering, 2020, 192, 107331.	2.1	21
78	Catalytic effect of clay rocks as natural catalysts on the combustion of heavy oil. Applied Clay Science, 2020, 193, 105662.	2.6	19
79	The Oil-Bearing Strata of Permian Deposits of the Ashalcha Oil Field Depending on the Content, Composition, and Thermal Effects of Organic Matter Oxidation in the Rocks. Geofluids, 2020, 2020, 1-19.	0.3	2
80	Evaluation of heat release caused by low-temperature oxidation of heavy oil and its SARA fractions under isothermal conditions. Thermochimica Acta, 2020, 690, 178690.	1.2	6
81	Waterborne polymers as kinetic/anti-agglomerant methane hydrate and corrosion inhibitors: A new and promising strategy for flow assurance. Journal of Natural Gas Science and Engineering, 2020, 77, 103235.	2.1	46
82	Sulfonated chitosan as green and high cloud point kinetic methane hydrate and corrosion inhibitor: Experimental and theoretical studies. Carbohydrate Polymers, 2020, 236, 116035.	5.1	56
83	Inhibition Performance of Chitosan-graft-Polyacrylamide as an Environmentally Friendly and High-Cloud-Point Inhibitor of Nucleation and Growth of Methane Hydrate. Crystal Growth and Design, 2020, 20, 1771-1778.	1.4	24
84	Vapour pressures and enthalpies of vaporisation of N-alkyl acetamides. Journal of Molecular Liquids, 2019, 293, 111453.	2.3	4
85	Integrative Investigation of Low-Temperature Oxidation Characteristics and Mechanisms of Heavy Crude Oil. Industrial & Engineering Chemistry Research, 2019, 58, 14595-14602.	1.8	23
86	Synthesis and Testing of New Kinetic Inhibitor of Methane Hydrates Based on Amphiphilic Polyurethane. Chemistry and Technology of Fuels and Oils, 2019, 55, 159-164.	0.2	2
87	Vapour pressures and enthalpies of vaporisation of N,N-di-alkyl-acetamides. Fluid Phase Equilibria, 2019, 499, 112241.	1.4	6
88	Comparison of upgrading of heavy oil and vacuum distillation residues by supercritical water. IOP Conference Series: Earth and Environmental Science, 2019, 282, 012044.	0.2	5
89	Thermal behavior and kinetics of heavy crude oil during combustion by high pressure differential scanning calorimetry and accelerating rate calorimetry. Journal of Petroleum Science and Engineering, 2019, 181, 106225.	2.1	27
90	Waterborne Polyurethanes as a New and Promising Class of Kinetic Inhibitors for Methane Hydrate Formation. Scientific Reports, 2019, 9, 9797.	1.6	40

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91	A novel numerical model of gas transport in multiscale shale gas reservoirs with considering surface diffusion and Langmuir slip conditions. <i>Energy Science and Engineering</i> , 2019, 7, 1315-1332.	1.9	13
92	Oxidation kinetic evaluation of the low temperature oxidized products of Tahe heavy oil characterized by the distributed activation energy model. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106155.	2.1	11
93	A new class of promising biodegradable kinetic/anti-agglomerant methane hydrate inhibitors based on castor oil. <i>Chemical Engineering Science</i> , 2019, 206, 507-517.	1.9	43
94	Solvation thermochemistry of aromatic hydrocarbons and their halogen derivatives in imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 289, 111105.	2.3	4
95	Kinetic evaluation and comparison of the heavy oil and its low temperature oxidized products based on thermal analyses. <i>Petroleum Science and Technology</i> , 2019, 37, 2058-2065.	0.7	0
96	Vapour pressures and enthalpies of vaporisation of alkyl formamides. <i>Fluid Phase Equilibria</i> , 2019, 494, 228-238.	1.4	15
97	Determination of SARA fractions of crude oils by NMR technique. <i>Journal of Petroleum Science and Engineering</i> , 2019, 179, 1-6.	2.1	20
98	Accelerated Methane Hydrate Formation by Ethylene Diamine Tetraacetamide As an Efficient Promoter for Methane Storage without Foam Formation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 7752-7760.	1.8	34
99	Combustion behavior of aromatics and their interaction with n-alkane in in-situ combustion enhanced oil recovery process: Thermochemistry. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 467-475.	2.9	19
100	Thermal Behavior and Kinetic Triplets of Heavy Crude Oil and Its SARA Fractions during Combustion by High-Pressure Differential Scanning Calorimetry. <i>Energy & Fuels</i> , 2019, 33, 3176-3186.	2.5	41
101	Effect of calcite on crude oil combustion characterized by high-pressure differential scanning calorimetry (HP-DSC). <i>Petroleum Science and Technology</i> , 2019, 37, 1216-1221.	0.7	5
102	Comparison of oxidation behavior of linear and branched alkanes. <i>Fuel Processing Technology</i> , 2019, 188, 203-211.	3.7	38
103	Thermal characterization of crude oils by pressurized differential scanning calorimeter (PDSC). <i>Journal of Petroleum Science and Engineering</i> , 2019, 177, 540-543.	2.1	14
104	Solution and solvation enthalpies of aromatic derivatives in binary mixtures. Dipole moment and dielectric properties. <i>Thermochimica Acta</i> , 2019, 676, 1-6.	1.2	4
105	High pressure air injection kinetic model for Bazhenov Shale Formation based on a set of oxidation studies. <i>Journal of Petroleum Science and Engineering</i> , 2019, 172, 1120-1132.	2.1	26
106	FTIR " spectroscopy of intermolecular interactions of pyrrole in solutions: The influence of media and cooperativity of hydrogen bonds. <i>Journal of Molecular Liquids</i> , 2019, 277, 200-206.	2.3	10
107	A preliminary feasibility analysis of in situ combustion in a deep fractured-cave carbonate heavy oil reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2019, 174, 446-455.	2.1	36
108	Isoconversional methods to determine the kinetics of crude oils -thermogravimetry approach. <i>Journal of Petroleum Science and Engineering</i> , 2018, 167, 480-485.	2.1	11

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109	Application of different EOR techniques for the energy and recovery of Ashal™ oil field. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 645-653.	1.2	8
110	Guaiacol and its mixtures: New data and predictive models. Part 2: Gibbs energy of solvation. Fluid Phase Equilibria, 2018, 470, 91-100.	1.4	4
111	Oxidation Behavior and Kinetics of Light, Medium, and Heavy Crude Oils Characterized by Thermogravimetry Coupled with Fourier Transform Infrared Spectroscopy. Energy & Fuels, 2018, 32, 5571-5580.	2.5	86
112	Thermodynamic properties of myo-inositol. Journal of Chemical Thermodynamics, 2018, 116, 76-84.	1.0	6
113	Oxidation Behavior of Light Crude Oil and Its SARA Fractions Characterized by TG and DSC Techniques: Differences and Connections. Energy & Fuels, 2018, 32, 801-808.	2.5	79
114	Analysis of solute-pyridine intermolecular interactions based on experimental enthalpies of solution and enthalpies of solvation of solutes dissolved in pyridine. Thermochimica Acta, 2018, 660, 11-17.	1.2	17
115	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
116	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
117	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
118	Hydrogen bonding of molecular solutes in protic and aprotic ionic liquids. Journal of Molecular Liquids, 2018, 271, 815-819.	2.3	8
119	Wax appearance temperature (WAT) determinations of different origin crude oils by differential scanning calorimetry. Journal of Petroleum Science and Engineering, 2018, 168, 542-545.	2.1	19
120	EPR as a complementary tool for the analysis of low-temperature oxidation reactions of crude oils. Journal of Petroleum Science and Engineering, 2018, 169, 673-682.	2.1	31
121	Low-temperature oxidation of light and heavy oils via thermal analysis: Kinetic analysis and temperature zone division. Journal of Petroleum Science and Engineering, 2018, 168, 246-255.	2.1	39
122	Investigation of Thermal Effects on Samples of Coals to Determine the Prospect of Their Utilization as Sources of Gaseous Fuels. Chemistry and Technology of Fuels and Oils, 2018, 54, 123-131.	0.2	0
123	Oxidation Behavior and Kinetics of Eight C ₂₀ –C ₅₄ n-Alkanes by High Pressure Differential Scanning Calorimetry (HP-DSC). Energy & Fuels, 2018, 32, 7933-7942.	2.5	32
124	Synthesis of fully bio-based and solvent free non-isocyanate poly (ester amide/urethane) networks with improved thermal stability on the basis of vegetable oils. Polymer Degradation and Stability, 2018, 155, 111-121.	2.7	39
125	Copper stearate as a catalyst for improving the oxidation performance of heavy oil in in-situ combustion process. Applied Catalysis A: General, 2018, 564, 79-89.	2.2	42
126	Thermocatalytic upgrading of heavy oil by iron oxides nanoparticles synthesized by oil-soluble precursors. Journal of Petroleum Science and Engineering, 2018, 169, 200-204.	2.1	7

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127	Comprehensive investigations into low temperature oxidation of heavy crude oil. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 835-842.	2.1	37
128	The ability of ionic liquids to form hydrogen bonds with organic solutes evaluated by different experimental techniques. Part I. Alkyl substituted imidazolium and sulfonium based ionic liquids. <i>Journal of Molecular Liquids</i> , 2018, 265, 238-242.	2.3	14
129	Effect of side groups on the properties of cationic polyaspartamides. <i>European Polymer Journal</i> , 2017, 93, 805-814.	2.6	12
130	Thermal characterization of crude oils in the presence of limestone matrix by TGA-DTG-FTIR. <i>Journal of Petroleum Science and Engineering</i> , 2017, 154, 495-501.	2.1	48
131	Group additivity approach for determination of solvation enthalpies of aromatic compounds in 1-butyl-3-methylimidazolium tetrafluoroborate based on solution calorimetry data. <i>Journal of Molecular Liquids</i> , 2017, 236, 278-282.	2.3	11
132	Molecular Aggregation in Binary Mixtures of Pyrrolidine, <i>N</i> -Methylpyrrolidine, Piperidine, and <i>N</i> -Methylpiperidine with Water: Thermodynamic, SANS, and Theoretical Studies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3070-3086.	1.2	7
133	Thermochemistry of hydrogen bonding of linear and cyclic amides in proton acceptors media. <i>Thermochimica Acta</i> , 2017, 652, 34-38.	1.2	16
134	Enthalpies of solution and enthalpies of solvation of organic solutes in ethylene glycol at 298.15 K: Prediction and analysis of intermolecular interaction contributions. <i>Thermochimica Acta</i> , 2017, 648, 91-99.	1.2	25
135	Crude oil characterization using TGA-DTA, TGA-FTIR and TGA-MS techniques. <i>Journal of Petroleum Science and Engineering</i> , 2017, 154, 537-542.	2.1	97
136	Thermochemistry of hydrogen bonding of proton acceptors in the media of linear and cyclic amides. Cooperativity effects in multi-particle complexes of amides. <i>Thermochimica Acta</i> , 2017, 657, 20-25.	1.2	7
137	Use of Kinetic Inhibitors of Gas Hydrate Formation in Oil and Gas Production Processes: Current State and Prospects of Development. <i>Chemistry and Technology of Fuels and Oils</i> , 2017, 53, 377-381.	0.2	33
138	Thermodynamic Properties of 1,4-Benzoquinones in Gaseous and Condensed Phases: Experimental and Theoretical Studies. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2413-2422.	1.0	14
139	Joint Thermal Treatment of Heavy Oil and Liquid Products of Fast Wood Pyrolysis for Producing Fuels and Chemicals. <i>Chemistry and Technology of Fuels and Oils</i> , 2017, 53, 638-645.	0.2	4
140	Evaluation Method of Influence of Catalyst Precursors on Initiation of In-Situ Combustion and Its Dynamics (Russian). , 2017, , .		4
141	Utilisation of multiple gas injection to enhance oil recovery for fractured-cavity carbonate heavy oil reservoir. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 15, 77.	0.1	7
142	Study of the Radical Chain Mechanism of Hydrocarbon Oxidation for In Situ Combustion Process. <i>Journal of Combustion</i> , 2017, 2017, 1-11.	0.5	37
143	Effects of interfacial tension and emulsification on displacement efficiency in dilute surfactant flooding. <i>RSC Advances</i> , 2016, 6, 50640-50649.	1.7	36
144	Thermodynamics of hydrogen bonding and van der Waals interactions of organic solutes in solutions of imidazolium based ionic liquids: Structure-property relationships. <i>Thermochimica Acta</i> , 2016, 633, 12-23.	1.2	27

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