Natalia N Petrukhina

List of Publications by Citations

28 papers	248 citations	8 h-index	15 g-index
29 ext. papers	333 ext. citations	1.2 avg, IF	3.32 L-index

#	Paper	IF	Citations
28	Aquathermolysis of crude oils and natural bitumen: chemistry, catalysts and prospects for industrial implementation. *Russian Chemical Reviews*, **2015**, 84, 1145-1175	6.8	40
27	Changes of Asphaltenes' Structural Phase Characteristics in the Process of Conversion of Heavy Oil in the Hydrothermal Catalytic System. *Energy & Fuels*, **2016**, 30, 773-783	4.1	36
26	Transformations of hydrocarbons of Ashal'cinskoe heavy oil under catalytic aquathermolysis conditions. *Petroleum Chemistry*, **2017**, 57, 657-665	1.1	34
25	Conversion Processes for High-Viscosity Heavy Crude Oil in Catalytic and Noncatalytic Aquathermolysis. *Chemistry and Technology of Fuels and Oils*, **2014**, 50, 315-326	0.4	28
24	Changes in hydrocarbon content of heavy oil during hydrothermal process with nickel, cobalt, and iron carboxylates. *Journal of Petroleum Science and Engineering*, **2018**, 169, 269-276	4.4	15
23	Hydrogenation of petroleum resins in the presence of supported sulfide catalysts. *Petroleum Chemistry*, **2018**, 58, 48-55	1.1	10
22	Hydrogenation Process for Producing Light Petroleum Resins as Adhesive and Hot-Melt Components (Review). *Petroleum Chemistry*, **2017**, 57, 983-1001	1.1	10
21	Promising Aspects of Heavy Oil and Native Asphalt Conversion Under Field Conditions. *Chemistry and Technology of Fuels and Oils*, **2014**, 50, 185-188	0.4	8
20	The Effect of Tackifier on the Properties of Pressure-Sensitive Adhesives Based on Styrene–Butadiene–Styrene Rubber. *Russian Journal of Applied Chemistry*, **2018**, 91, 1945-1956	0.8	8
19	Physicochemical Properties and Performance Characteristics of Naphthenoaromatic Jet and Diesel Fuels Obtained by Hydrotreating of Highly Aromatic Fractions. *Petroleum Chemistry*, **2018**, 58, 347-374	1.1	8
18	Nickel–molybdenum and cobalt–molybdenum sulfide hydrogenation and hydrodesulphurization catalysts synthesized in situ from bimetallic precursors. *Catalysis in Industry*, **2017**, 9, 247-256	0.8	7
17	Hydrogenation of Polymeric Petroleum Resins in the Presence of Unsupported Sulfide Nanocatalysts. *Petroleum Chemistry*, **2017**, 57, 1295-1303	1.1	7
16	Hydrogenation of Indene–Coumarone Resin on Palladium Catalysts for Use in Polymer Adhesives. *Russian Journal of Applied Chemistry*, **2019**, 92, 1143-1152	0.8	7
15	Extraction and Refining of Heavy Crude Oils: Problems and Prospects. *Russian Journal of Applied Chemistry*, **2018**, 91, 1912-1921	0.8	6
14	Pathways of Chemical Recycling of Polyvinyl Chloride: Part 1. *Russian Journal of Applied Chemistry*, **2020**, 93, 1271-1313	0.8	4
13	Production of High-Density Jet and Diesel Fuels by Hydrogenation of Highly Aromatic Fractions. *Russian Journal of Applied Chemistry*, **2018**, 91, 1223-1254	0.8	4
12	Stability of Petroleum Asphaltene Fractions in Model Hydrocarbon Systems. *Chemistry and Technology of Fuels and Oils*, **2014**, 50, 28-38	0.4	3

List of Publications

11	Synthesis and Use of Hydrogenated Polymers. *Russian Journal of Applied Chemistry*, **2019**, 92, 715-733	0.8	2
10	Hydrogenated Styrene–Diene Copolymers as Thickening Additives to Lubricating Oils. *Russian Journal of Applied Chemistry*, **2019**, 92, 1179-1189	0.8	2
9	Change in the Hydrocarbon and Component Compositions of Heavy Crude Ashalchinsk Oil Upon Catalytic Aquathermolysis. *Chemistry and Technology of Fuels and Oils*, **2017**, 53, 173-180	0.4	2
8	Pathways of Chemical Recycling of Polyvinyl Chloride. Part 2. *Russian Journal of Applied Chemistry*, **2020**, 93, 1445-1490	0.8	2
7	Butadiene–Styrene Rubber Hydrogenation over Palladium Catalysts Synthesized In Situ from Emulsion. *Petroleum Chemistry*, **2019**, 59, 1314-1319	1.1	2
6	A Detergent Prepared from Iminodiacetate Derivatives of Fats and Polymucosaccharides from Base Hydrolyzates of Protein-Containing Waste. *Russian Journal of Applied Chemistry*, **2020**, 93, 333-339	0.8	1
5	Peculiarities of Dispersion of Oil Raw Materials into Aqueous Solutions of Polycomplexones Surfactants. *Chemistry and Technology of Fuels and Oils*, **2020**, 56, 124-128	0.4	1
4	Synthesis of Hydrocarbon Resins by Thermal Polymerization of Unsaturated Compounds of Pyrolysis Fractions. *Chemistry and Technology of Fuels and Oils*, **2018**, 54, 299-306	0.4	1
3	Preparation and Use of Materials for Color Road Pavement and Marking. *Russian Journal of Applied Chemistry*, **2021**, 94, 265-283	0.8	0
2	Stability of Real Asphaltene-Containing Systems in Presence of Bioadditives. *Chemistry and Technology of Fuels and Oils*, **2014**, 50, 141-148	0.4	
1	Hydrogenation of Butadiene–Styrene Rubber over Palladium Nanoparticles Synthesized In Situ: Selection of Stabilizer. *Petroleum Chemistry*, **2021**, 61, 1118	1.1	