

# Natalia N Petrukhina

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

394  
citations

840585

11  
h-index

794469

19  
g-index

29  
all docs

29  
docs citations

29  
times ranked

221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aquathermolysis of crude oils and natural bitumen: chemistry, catalysts and prospects for industrial implementation. <i>Russian Chemical Reviews</i> , 2015, 84, 1145-1175.	2.5	59
2	Changes of Asphaltene's™ Structural Phase Characteristics in the Process of Conversion of Heavy Oil in the Hydrothermal Catalytic System. <i>Energy &amp; Fuels</i> , 2016, 30, 773-783.	2.5	51
3	Transformations of hydrocarbons of Ashal's™ heavy oil under catalytic aquathermolysis conditions. <i>Petroleum Chemistry</i> , 2017, 57, 657-665.	0.4	44
4	Conversion Processes for High-Viscosity Heavy Crude Oil in Catalytic and Noncatalytic Aquathermolysis. <i>Chemistry and Technology of Fuels and Oils</i> , 2014, 50, 315-326.	0.2	38
5	Changes in hydrocarbon content of heavy oil during hydrothermal process with nickel, cobalt, and iron carboxylates. <i>Journal of Petroleum Science and Engineering</i> , 2018, 169, 269-276.	2.1	23
6	Pathways of Chemical Recycling of Polyvinyl Chloride: Part 1. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 1271-1313.	0.1	20
7	Pathways of Chemical Recycling of Polyvinyl Chloride. Part 2. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 1445-1490.	0.1	15
8	Hydrogenation Process for Producing Light Petroleum Resins as Adhesive and Hot-Melt Components (Review). <i>Petroleum Chemistry</i> , 2017, 57, 983-1001.	0.4	14
9	Hydrogenation of petroleum resins in the presence of supported sulfide catalysts. <i>Petroleum Chemistry</i> , 2018, 58, 48-55.	0.4	14
10	Extraction and Refining of Heavy Crude Oils: Problems and Prospects. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 1912-1921.	0.1	13
11	The Effect of Tackifier on the Properties of Pressure-Sensitive Adhesives Based on Styrene's™Butadiene's™Styrene Rubber. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 1945-1956.	0.1	13
12	Promising Aspects of Heavy Oil and Native Asphalt Conversion Under Field Conditions. <i>Chemistry and Technology of Fuels and Oils</i> , 2014, 50, 185-188.	0.2	11
13	Hydrogenation of Polymeric Petroleum Resins in the Presence of Unsupported Sulfide Nanocatalysts. <i>Petroleum Chemistry</i> , 2017, 57, 1295-1303.	0.4	10
14	Physicochemical Properties and Performance Characteristics of Naphthenoaromatic Jet and Diesel Fuels Obtained by Hydrotreating of Highly Aromatic Fractions. <i>Petroleum Chemistry</i> , 2018, 58, 347-374.	0.4	10
15	Nickel's™molybdenum and cobalt's™molybdenum sulfide hydrogenation and hydrodesulphurization catalysts synthesized in situ from bimetallic precursors. <i>Catalysis in Industry</i> , 2017, 9, 247-256.	0.3	9
16	Production of High-Density Jet and Diesel Fuels by Hydrogenation of Highly Aromatic Fractions. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 1223-1254.	0.1	9
17	Hydrogenation of Indene's™Coumarone Resin on Palladium Catalysts for Use in Polymer Adhesives. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 1143-1152.	0.1	9
18	Synthesis and Use of Hydrogenated Polymers. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 715-733.	0.1	6

#	ARTICLE	IF	CITATIONS
19	Preparation and Use of Materials for Color Road Pavement and Marking. Russian Journal of Applied Chemistry, 2021, 94, 265-283.	0.1	5
20	Stability of Petroleum Asphaltene Fractions in Model Hydrocarbon Systems. Chemistry and Technology of Fuels and Oils, 2014, 50, 28-38.	0.2	4
21	Hydrogenated Styreneâ€“Diene Copolymers as Thickening Additives to Lubricating Oils. Russian Journal of Applied Chemistry, 2019, 92, 1179-1189.	0.1	4
22	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.	0.2	3
23	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.	0.1	3
24	Peculiarities of Dispersion of Oil Raw Materials into Aqueous Solutions of Polycomplexones Surfactants. Chemistry and Technology of Fuels and Oils, 2020, 56, 124-128.	0.2	3
25	Synthesis of Hydrocarbon Resins by Thermal Polymerization of Unsaturated Compounds of Pyrolysis Fractions. Chemistry and Technology of Fuels and Oils, 2018, 54, 299-306.	0.2	2
26	Butadieneâ€“Styrene Rubber Hydrogenation over Palladium Catalysts Synthesized In Situ from Emulsion. Petroleum Chemistry, 2019, 59, 1314-1319.	0.4	2
27	Stability of Real Asphaltene-Containing Systems in Presence of Bioadditives. Chemistry and Technology of Fuels and Oils, 2014, 50, 141-148.	0.2	0
28	Hydrogenation of Butadieneâ€“Styrene Rubber over Palladium Nanoparticles Synthesized In Situ: Selection of Stabilizer. Petroleum Chemistry, 2021, 61, 1118.	0.4	0