# Dmitry Borisov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4194122/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 41 papers | 326 citations | 840776<br>11 h-index | 940533<br>16 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 222 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 | Differentiation of heavy oils according to the vanadium and nickel content in asphaltenes and resins. Petroleum Chemistry, 2017, 57, 849-854. | 1.4 | 22 |
| 4 | Chromatographic Isolation of Petroleum Vanadyl Porphyrins Using Sulfocationites as Sorbents. Energy & Fuels, 2018, 32, 161-168. | 5.1 | 20 |
| 5 | Inhibition of Asphaltene Precipitation by Resins with Various Contents of Vanadyl Porphyrins. Energy & Fuels, 2016, 30, 8997-9002. | 5.1 | 19 |
| 6 | Polar-solvent fractionation of asphaltenes from heavy oil and their characterization. Petroleum Chemistry, 2013, 53, 81-86. | 1.4 | 18 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Chromatographic isolation of vanadyl porphyrins from heavy oil resins. Russian Chemical Bulletin, 2017, 66, 1450-1455. | 1.5 | 13 |
| 11 | Metallography and hydrogenation behaviour of the alloy Mg-72mass%â€“Ni-20mass%â€“La-8mass%. Journal of Alloys and Compounds, 2007, 446-447, 183-187. | 5.5 | 12 |
| 12 | Heavy Oil Residues: Application as a Low-Cost Filler in Polymeric Materials. Civil Engineering Journal (Iran), 2019, 5, 2554-2568. | 3.9 | 11 |
| 13 | Physical modeling of ultraviscous oil displacement by using solvent on a large model of oil reservoir. Journal of Petroleum Science and Engineering, 2017, 154, 457-461. | 4.2 | 7 |
| 14 | 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 |
| 15 | Simple Methods for the Separation of Various Subfractions from Coal and Petroleum Asphaltenes. Energy & Fuels, 2020, 34, 6523-6543. | 5.1 | 7 |
| 16 | Hydrogenation of nanostructured alloys and composites based on magnesium. Russian Chemical Bulletin, 2011, 60, 1848-1857. | 1.5 | 6 |
| 17 | Interrelation of Flocculation, Precipitation, and Structure of Asphaltene Fractions. Chemistry and Technology of Fuels and Oils, 2013, 49, 25-31. | 0.5 | 6 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Oxidative Cleavage of Asphaltenes Under Mild Conditions. Chemistry and Technology of Fuels and Oils, 2019, 55, 552-556. | 0.5 | 5 |
| 21 | 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 |
| 22 | 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 |
| 23 | Isolation of Porphyrins from Heavy Oil Objects. , 0, , . | | 4 |
| 24 | 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 |
| 25 | Non-Porous Sulfonic Acid Catalysts Derived from Vacuum Residue Asphaltenes for Glycerol Valorization via Ketalization with Acetone. Catalysts, 2021, 11, 776. | 3.5 | 4 |
| 26 | Application of Ethylene Tar as an Additive in Visbreaking of Petroleum Vacuum Residue. Energy & Fuels, 2021, 35, 15684-15694. | 5.1 | 4 |
| 27 | Metal Hydride Accumulators of Hydrogen on the Basis of Alloys of Magnesium and Rare-Earth Metals with Nickel. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2004, , 143-146. | 0.1 | 4 |
| 28 | Physical modeling of the composite solvent injection to improve the ultra-viscous oil recovery efficiency steam-assisted gravity drainage. Journal of Petroleum Science and Engineering, 2018, 169, 337-343. | 4.2 | 3 |
| 29 | Oxidation of Petroleum Asphaltenes Coupled with Iodination. Chemistry and Technology of Fuels and Oils, 2020, 56, 558-569. | 0.5 | 3 |
| 30 | Extraction of Highly Condensed Polyaromatic Components from Petroleum Asphaltenes. Petroleum Chemistry, 2021, 61, 424-430. | 1.4 | 3 |
| 31 | 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 |
| 32 | Preparation of Redox Ion-Exchange Materials Based on Petroleum Asphaltenes. Petroleum Chemistry, 2022, 62, 222-228. | 1.4 | 3 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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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|---|---|---|---|
| 37 | Modeling of the Reactivity of Asphaltenes in Electrophilic Substitution Reactions. Chemistry and Technology of Fuels and Oils, 2020, 56, 550-557. | 0.5 | 0 |
| 38 | Composite materials based on polyethylene and high molecular weight oil components. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 39 | 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 |
| 40 | ÐŸÐ¾Ð»ÑƒÑ‡ÐµÐ½Ð¸Ðµ Ð°Ð½Ð¸Ð¾Ð½Ð¸Ñ‚Ð¾Ð² Ð½Ð° Ð¾ÑÐ½Ð¾Ð²Ðµ Ð°ÑÑ„Ð°Ð»ÑŒÑ‚ÐµÐ½Ð¾Ð² Ð¸ Ð¸Ñ… Ð°Ð´ÑÐ¾Ñ€Ð | | |
| 41 | Features of composition of heavy oil thermolysis products produced with addition of maltene fraction. Petroleum Science and Technology, 0, , 1-10. | 1.5 | 0 |