

Ihor Mikulionok

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

77

citations

5

h-index

5

g-index

78

ext. papers

182

ext. citations

0.5

avg, IF

3.58

L-index

#	Paper	IF	Citations
62	Classification of Processes and Equipment for Manufacture of Continuous Products from Thermoplastic Materials. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2015 , 51, 14-19	0.6	7
61	Classification of nozzles of mass transfer apparatuses. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1631-1637	0.8	7
60	Screw extrusion of thermoplastics: I. General model of the screw extrusion. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 489-504	0.8	6
59	Screw extruder mixing and dispersing units. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2013 , 49, 103-109	0.6	5
58	Equipment for preparing and continuous molding of thermoplastic composites. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2013 , 48, 658-661	0.6	5
57	Designs of Bubble Caps of the Contact Plates of Mass-Exchange Columns (Review of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2018 , 54, 410-417	0.6	5
56	Intensification of Fabrication of Extruded Polymeric Shapes. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2014 , 50, 483-488	0.6	4
55	Ring Packing Contact Elements of Mass Transfer Devices (review of patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2018 , 54, 125-129	0.6	4
54	Classification of the Designs of the Stamped Contact Plates of Mass-Exchange Columns (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2020 , 55, 847-855	0.6	3
53	Investigation of the Cooling of Two-Layer Corrugated Polymeric Pipes. <i>Journal of Engineering Physics and Thermophysics</i> , 2013 , 86, 505-510	0.6	3
52	Pretreatment of recycled polymer raw material. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1105-1113	0.8	3
51	Design of the Valves of the Contact Plates of Mass-Transfer Columns (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2020 , 55, 762-771	0.6	2
50	Designs of rotary disk mixers (a survey of patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2013 , 49, 308-313	0.6	2
49	Influence of a Lubricant on the Flow Parameters of a Molten Polymeric Material in Channels of Forming Devices. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2017 , 53, 84-88	0.6	2
48	Stabilization of the Temperature of the Working Medium in the Equipment of Chemical Plants (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2015 , 51, 324-327	0.6	2
47	Simulation of processing the Power-Composition in a mixer with oval rotors. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 2229-2239	0.8	2
46	Classification of Convective Drum Dryers (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2020 , 56, 588-596	0.6	2

45	Removable Vortex Generators of Pressurized Tubular Channels with Round Cross-Section (Classification and Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2019 , 54, 842-848	0.6	1
44	Structural Implementation of the Process of Elasto-Deformation Shredding of Rubber-Containing Wastes (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2016 , 51, 604-608	0.6	1
43	Classification of Tube-in-Tube Heat-Transfer Devices (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2019 , 55, 601-607	0.6	1
42	Use of Polymer Materials in Heat Exchangers (Review of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2019 , 55, 687-695	0.6	1
41	Screw extrusion of thermoplastics: II. Simulation of feeding zone of the single screw extruder. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 505-514	0.8	1
40	Rollers with Peripheral Heat-Supply Channels for Treatment of Plastics and Rubber Mixtures (a survey of patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2013 , 49, 382-387	0.6	1
39	Simulation of disk extruder operation. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 1475-1481	0.8	1
38	Heat exchange in granulating thermoplastics. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 550-558	0.8	1
37	Numerical Simulation of Elasto-Plastic Behavior of Isotropic Composite Materials. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 492-501	0.4	1
36	Plate-Type Gas Distribution Grids for Fluidized Bed Apparatuses (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 57, 168-175	0.6	1
35	Classification of Gravity Mixers of Bulk Materials (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2020 , 56, 157-164	0.6	0
34	Classification of Means of Enhancement of Heat Transfer from the Outer Surface of Pipes (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2019 , 55, 491-499	0.6	0
33	Liquid mixers with magnetic stirrers (survey of patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2013 , 49, 246-250	0.6	0
32	Modeling of the heat processing of continuously molded product. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 1482-1492	0.8	0
31	Combined mass-transfer chemical engineering processes using pervaporation. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2012 , 48, 9-14	0.6	0
30	Combined contact devices for mass-exchange towers. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2012 , 48, 71-76	0.6	0
29	Technique of parametric and heat computations of rollers for processing of plastics and rubber compounds. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1642-1654	0.8	0
28	Classification of Devices for Distribution and Redistribution of Liquid in Mass-Exchange Towers with Motionless Packing (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 57, 611-617	0.6	0

27	Classification of Structures for Folding Tubular Plastic Sheets (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 57, 704-710	0.6	○
26	Use of Möbius Strip in Chemical Machine Design (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 56, 1037-1042	0.6	○
25	Classification of Roll Grinders for Lumpy and Bulk Materials (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 56, 951-957	0.6	○
24	Heat Exchange Apparatuses with Fluidized Bed (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 57, 79-86	0.6	○
23	Classification of the Structures of Volume-Exchange Towers with Loose Packing (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 57, 346-353	0.6	○
22	Classification of Built-In Separators of Mass-Exchange Columns (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 57, 522-528	0.6	○
21	Design of Flange Connections of Chemical Production Equipment (Review of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2020 , 56, 74-81	0.6	○
20	Study of two-sided cooling of extruded smooth polymer pipes. Part 1. Small diameter pipe cooling. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2013 , 48, 699-704	0.6	○
19	Study of Two-Sided Cooling of Extruded Smooth Polymer Pipes. Part 2. Large Diameter Pipe Cooling*. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2013 , 48, 765-768	0.6	○
18	Modeling the cooling of smooth polymeric pipes. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2012 , 47, 725-728	0.6	○
17	Simulation of liquid cooling of an extruded sleeve plastic film. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1080-1084	0.8	○
16	Determination of rolling time for thermoplastic compositions. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2011 , 47, 243-249	0.6	○
15	Determination of the camber in a calender roll for polymer reworking. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2011 , 47, 315-318	0.6	○
14	Determination of roll power required for rolling of plastic and rubber mixtures. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2011 , 47, 441-446	0.6	○
13	Development of an identification system for biaxially oriented polymer films based on the degree of their transverse extension. <i>Journal of Engineering Physics and Thermophysics</i> , 2010 , 83, 1010-1015	0.6	○
12	Determination of the boundaries of the deformation region of thermoplasts in the inter-roll gap of rolling machines. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2010 , 46, 337-340	0.6	○
11	Pervaporation separation of homogeneous liquid systems. <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 1997 , 33, 245-249	0.6	○
10	Removal of organic impurities from sewage by evaporation through polymer membranes. <i>Journal of Engineering Physics and Thermophysics</i> , 1996 , 69, 757-759	0.6	○

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| 9 | Classification of Overflow Devices of Mass-Transfer Columns (Review of Designs). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2022 , 57, 878-884 | 0.6 |
| 8 | Classification of the Tumbling Bodies of Rattlers (Tumbling Barrels) (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2022 , 57, 885-892 | 0.6 |
| 7 | Classification of Cooling Devices for Extruded Polymer Pipes and Profiles (Review of Designs). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2022 , 57, 797-804 | 0.6 |
| 6 | Classification of Stamped Packing Elements of Mass-Exchange Apparatuses (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 56, 861-869 | 0.6 |
| 5 | Classification of the Structures of Closed-Type Rotary Mixers for Plastics and Rubber Mixtures (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2021 , 57, 437-444 | 0.6 |
| 4 | Mathematical Modeling of Physical and Mechanical Properties of Polymeric Materials Reinforced with Carbon Nanotubes. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 33-42 | 0.4 |
| 3 | Classification of the Packing Contact Elements of Mass-Exchange Towers with Second-Order form of the Surfaces (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2022 , 57, 976-981 | 0.6 |
| 2 | Classification of the Heat-Exchangers of Vessels with Rotary Mixers (Survey of Patents). <i>Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)</i> , 2022 , 57, 1049-1057 | 0.6 |
| 1 | Mathematical Modeling of Processes and Equipment for the Manufacture of Electrode Carbon Graphite Products. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 424-434 | 0.4 |