Ihor Mikulionok

List of Publications by Year in Descending Order

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 Overflow Devices of Mass-Transfer Columns (Review of Designs). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2022**, 57, 878-884	0.6	
61	Classification of the Tumbling Bodies of Rattlers (Tumbling Barrels) (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2022**, 57, 885-892	0.6	
60	Classification of Cooling Devices for Extruded Polymer Pipes and Profiles (Review of Designs). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2022**, 57, 797-804	0.6	
59	Classification of the Packing Contact Elements of Mass-Exchange Towers with Second-Order form of the Surfaces (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2022**, 57, 976-981	0.6	
58	Classification of the Heat-Exchangers of Vessels with Rotary Mixers (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2022**, 57, 1049-1057	0.6	
57	Mathematical Modeling of Processes and Equipment for the Manufacture of Electrode Carbon Graphite Products. *Lecture Notes in Mechanical Engineering*, **2022**, 424-434	0.4	
56	Classification of Devices for Distribution and Redistribution of Liquid in Mass-Exchange Towers with Motionless Packing (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 57, 611-617	0.6	0
55	Classification of Structures for Folding Tubular Plastic Sheets (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 57, 704-710	0.6	0
54	Use of MBius Strip in Chemical Machine Design (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 56, 1037-1042	0.6	0
53	Classification of Roll Grinders for Lumpy and Bulk Materials (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 56, 951-957	0.6	0
52	Plate-Type Gas Distribution Grids for Fluidized Bed Apparatuses (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 57, 168-175	0.6	1
51	Heat Exchange Apparatuses with Fluidized Bed (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 57, 79-86	0.6	0
50	Classification of Stamped Packing Elements of Mass-Exchange Apparatuses (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 56, 861-869	0.6	
49	Classification of the Structures of Volume-Exchange Towers with Loose Packing (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 57, 346-353	0.6	0
48	Classification of Built-In Separators of Mass-Exchange Columns (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 57, 522-528	0.6	0
47	Classification of the Structures of Closed-Type Rotary Mixers for Plastics and Rubber Mixtures (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2021**, 57, 437-444	0.6	
46	Mathematical Modeling of Physical and Mechanical Properties of Polymeric Materials Reinforced with Carbon Nanotubes. *Lecture Notes in Mechanical Engineering*, **2021**, 33-42	0.4	

45	Classification of Gravity Mixers of Bulk Materials (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2020**, 56, 157-164	0.6	0
44	Design of Flange Connections of Chemical Production Equipment (Review of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2020**, 56, 74-81	0.6	
43	Design of the Valves of the Contact Plates of Mass-Transfer Columns (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2020**, 55, 762-771	0.6	2
42	Classification of the Designs of the Stamped Contact Plates of Mass-Exchange Columns (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2020**, 55, 847-855	0.6	3
41	Numerical Simulation of Elasto-Plastic Behavior of Isotropic Composite Materials. *Lecture Notes in Mechanical Engineering*, **2020**, 492-501	0.4	1
40	Classification of Convective Drum Dryers (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2020**, 56, 588-596	0.6	2
39	Removable Vortex Generators of Pressurized Tubular Channels with Round Cross-Section (Classification and Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2019**, 54, 842-848	0.6	1
38	Classification of Means of Enhancement of Heat Transfer from the Outer Surface of Pipes (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2019**, 55, 491-499	0.6	0
37	Classification of Tube-in-Tube Heat-Transfer Devices (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2019**, 55, 601-607	0.6	1
36	Use of Polymer Materials in Heat Exchangers (Review of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2019**, 55, 687-695	0.6	1
35	Designs of Bubble Caps of the Contact Plates of Mass-Exchange Columns (Review of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2018**, 54, 410-417	0.6	5
34	Ring Packing Contact Elements of Mass Transfer Devices (review of patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2018**, 54, 125-129	0.6	4
33	Influence of a Lubricant on the Flow Parameters of a Molten Polymeric Material in Channels of Forming Devices. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2017**, 53, 84-88	0.6	2
32	Structural Implementation of the Process of Elasto-Deformation Shredding of Rubber-Containing Wastes (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2016**, 51, 604-608	0.6	1
31	Classification of Processes and Equipment for Manufacture of Continuous Products from Thermoplastic Materials. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2015**, 51, 14-19	0.6	7
30	Stabilization of the Temperature of the Working Medium in the Equipment of Chemical Plants (Survey of Patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2015**, 51, 324-327	0.6	2
29	Intensification of Fabrication of Extruded Polymeric Shapes. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2014**, 50, 483-488	0.6	4
28	Investigation of the Cooling of Two-Layer Corrugated Polymeric Pipes. *Journal of Engineering Physics and Thermophysics*, **2013**, 86, 505-510	0.6	3

27	Liquid mixers with magnetic stirrers (survey of patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2013**, 49, 246-250	0.6	0
26	Rollers with Peripheral Heat-Supply Channels for Treatment of Plastics and Rubber Mixtures (a survey of patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2013**, 49, 382-387	0.6	1
25	Designs of rotary disk mixers (a survey of patents). *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2013**, 49, 308-313	0.6	2
24	Screw extruder mixing and dispersing units. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2013**, 49, 103-109	0.6	5
23	Study of two-sided cooling of extruded smooth polymer pipes. Part 1. Small diameter pipe cooling. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2013**, 48, 699-704	0.6	
22	Study of Two-Sided Cooling of Extruded Smooth Polymer Pipes. Part 2. Large Diameter Pipe Cooling*. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2013**, 48, 765-768	0.6	
21	Equipment for preparing and continuous molding of thermoplastic composites. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2013**, 48, 658-661	0.6	5
20	Screw extrusion of thermoplastics: I. General model of the screw extrusion. *Russian Journal of Applied Chemistry*, **2012**, 85, 489-504	0.8	6
19	Screw extrusion of thermoplastics: II. Simulation of feeding zone of the single screw extruder. *Russian Journal of Applied Chemistry*, **2012**, 85, 505-514	0.8	1
18	Simulation of disk extruder operation. *Russian Journal of Applied Chemistry*, **2012**, 85, 1475-1481	0.8	1
17	Modeling of the heat processing of continuously molded product. *Russian Journal of Applied Chemistry*, **2012**, 85, 1482-1492	0.8	0
16	Modeling the cooling of smooth polymeric pipes. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2012**, 47, 725-728	0.6	
15	Combined mass-transfer chemical engineering processes using pervaporation. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2012**, 48, 9-14	0.6	0
14	Combined contact devices for mass-exchange towers. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2012**, 48, 71-76	0.6	0
13	Heat exchange in granulating thermoplastics. *Russian Journal of Applied Chemistry*, **2011**, 84, 550-558	0.8	1
12	Simulation of liquid cooling of an extruded sleeve plastic film. *Russian Journal of Applied Chemistry*, **2011**, 84, 1080-1084	0.8	
11	Pretreatment of recycled polymer raw material. *Russian Journal of Applied Chemistry*, **2011**, 84, 1105-1113	0.8	3
10	Classification of nozzles of mass transfer apparatuses. *Russian Journal of Applied Chemistry*, **2011**, 84, 1631-1637	0.8	7

9	Technique of parametric and heat computations of rollers for processing of plastics and rubber compounds. *Russian Journal of Applied Chemistry*, **2011**, 84, 1642-1654	0.8	0
8	Determination of rolling time for thermoplastic compositions. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2011**, 47, 243-249	0.6	
7	Determination of the camber in a calender roll for polymer reworking. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2011**, 47, 315-318	0.6	
6	Determination of roll power required for rolling of plastic and rubber mixtures. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2011**, 47, 441-446	0.6	
5	Simulation of processing the Power□composition in a mixer with oval rotors. *Russian Journal of Applied Chemistry*, **2010**, 83, 2229-2239	0.8	2
4	Development of an identification system for biaxially oriented polymer films based on the degree of their transverse extension. *Journal of Engineering Physics and Thermophysics*, **2010**, 83, 1010-1015	0.6	
3	Determination of the boundaries of the deformation region of thermoplasts in the inter-roll gap of rolling machines. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **2010**, 46, 337-340	0.6	
2	Pervaporation separation of homogeneous liquid systems. *Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie)*, **1997**, 33, 245-249	0.6	
1	Removal of organic impurities from sewage by evaporation through polymer membranes. *Journal of Engineering Physics and Thermophysics*, **1996**, 69, 757-759	0.6	