

Ihor Mikulionok

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Classification of Processes and Equipment for Manufacture of Continuous Products from Thermoplastic Materials. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.1	13
2	Screw extruder mixing and dispersing units. Chemical and Petroleum Engineering (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	13
3	Equipment for preparing and continuous molding of thermoplastic composites. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2013, 48, 658-661.	0.1	13
4	Screw extrusion of thermoplastics: I. General model of the screw extrusion. Russian Journal of Applied Chemistry, 2012, 85, 489-504.	0.1	12
5	Pretreatment of recycled polymer raw material. Russian Journal of Applied Chemistry, 2011, 84, 1105-1113.	0.1	10
6	Classification of nozzles of mass transfer apparatuses. Russian Journal of Applied Chemistry, 2011, 84, 1631-1637.	0.1	8
7	Screw extrusion of thermoplastics: II. Simulation of feeding zone of the single screw extruder. Russian Journal of Applied Chemistry, 2012, 85, 505-514.	0.1	7
8	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.	0.1	7
9	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.	0.1	7
10	Intensification of Fabrication of Extruded Polymeric Shapes. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2014, 50, 483-488.	0.1	6
11	Classification of the Designs of the Stamped Contact Plates of Mass-Exchange Columns (Survey of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.1	6
12	A STATE OF ART AND PROSPECTS OF PLASTIC SOLID WASTE MANAGEMENT. Energy Technologies & Resource Saving, 2021, , 52-73.	0.3	6
13	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.	0.1	5
14	A STATE OF ART AND PROSPECTS OF USED PNEUMATIC TIRES MANAGEMENT (REVIEW). Energy Technologies & Resource Saving, 2021, , 63-83.	0.3	5
15	Modeling of melting process in a single screw extruder for polymer processing. Eastern-European Journal of Enterprise Technologies, 2018, 2, 4-11.	0.3	5
16	Investigation of the Cooling of Two-Layer Corrugated Polymeric Pipes. Journal of Engineering Physics and Thermophysics, 2013, 86, 505-510.	0.2	4
17	Designs of rotary disk mixers (a survey of patents). Chemical and Petroleum Engineering (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.1	4
18	Stabilization of the Temperature of the Working Medium in the Equipment of Chemical Plants (Survey) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	4

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19	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) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 697	0.1	4
20	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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697	0.1	2
21	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.	0.1	4
22	A STATE OF ART AND PROSPECTS OF HANDLING USED PET BOTTLES. Energy Technologies & Resource Saving, 2021, , 45-61.	0.3	4
23	Simulation of processing the "Power" composition in a mixer with oval rotors. Russian Journal of Applied Chemistry, 2010, 83, 2229-2239.	0.1	3
24	Simulation of disk extruder operation. Russian Journal of Applied Chemistry, 2012, 85, 1475-1481.	0.1	3
25	Liquid mixers with magnetic stirrers (survey of patents). Chemical and Petroleum Engineering (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 697	0.1	2
26	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.	0.1	3
27	Removable Vortex Generators of Pressurized Tubular Channels with Round Cross-Section (Classification and Survey of Patents). Chemical and Petroleum Engineering (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 697	0.1	2
28	Classification of Convective Drum Dryers (Survey of Patents). Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2020, 56, 588-596.	0.1	3
29	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.	0.1	3
30	Numerical Simulation of Elasto-Plastic Behavior of Isotropic Composite Materials. Lecture Notes in Mechanical Engineering, 2020, , 492-501.	0.3	3
31	Modeling the process of polymers processing in twin-screw extruders. Eastern-European Journal of Enterprise Technologies, 2018, 4, 35-44.	0.3	3
32	Technique of parametric and heat computations of rollers for processing of plastics and rubber compounds. Russian Journal of Applied Chemistry, 2011, 84, 1642-1654.	0.1	2
33	Combined contact devices for mass-exchange towers. Chemical and Petroleum Engineering (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 697	0.1	2
34	Rollers with Peripheral Heat-Supply Channels for Treatment of Plastics and Rubber Mixtures (a survey) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697	0.1	2
35	Classification of Means of Enhancement of Heat Transfer from the Outer Surface of Pipes (Survey of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 697	0.1	2
36	Modeling and analysis of the process of polymeric film cooling on the drum with a liquid cooling agent. Eastern-European Journal of Enterprise Technologies, 2017, 5, 67-74.	0.3	2

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37	Pervaporation separation of homogeneous liquid systems. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 1997, 33, 245-249.	0.1	1
38	Heat exchange in granulating thermoplastics. Russian Journal of Applied Chemistry, 2011, 84, 550-558.	0.1	1
39	Modeling of the heat processing of continuously molded product. Russian Journal of Applied Chemistry, 2012, 85, 1482-1492.	0.1	1
40	Combined mass-transfer chemical engineering processes using pervaporation. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2012, 48, 9-14.	0.1	1
41	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.	0.1	1
42	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.	0.1	1
43	Use of Möbius Strip in Chemical Machine Design (Survey of Patents). Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2021, 56, 1037-1042.	0.1	1
44	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.	0.1	1
45	Heat Exchange Apparatuses with Fluidized Bed (Survey of Patents). Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2021, 57, 79-86.	0.1	1
46	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, 522-528.	0.1	1
47	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.	0.1	1
48	About definition of the elasticity module of single-walled carbon nanotubes by methods of structural mechanics. Mechanics and Advanced Technologies, 2019, 85, 13-25.	0.1	1
49	Pressure and temperature influence on the friction coefficient of granular polymeric materials on the metal surfaces. Ukrainian Food Journal, 2017, 6, 543-552.	0.1	1
50	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, 704-710.	0.1	1
51	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.	0.1	1
52	DEVELOPMENT OF ENERGY-EFFICIENT AND ENVIRONMENTALLY FRIENDLY LININGS AND THERMAL INSULATION OF ELECTRODE PRODUCTION FURNACES. Energy Technologies & Resource Saving, 2020, , 21-34.	0.3	1
53	STATE AND PROSPECTS OF HANDLING GLASS WASTE (REVIEW). Energy Technologies & Resource Saving, 2022, , 33-50.	0.3	1
54	STATE AND PROSPECTS OF HANDLING METAL-CONTAINING HOUSEHOLD WASTE. Energy Technologies & Resource Saving, 2022, , 45-61.	0.3	1

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55	Removal of organic impurities from sewage by evaporation through polymer membranes. Journal of Engineering Physics and Thermophysics, 1996, 69, 757-759.	0.2	0
56	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.	0.2	0
57	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), 2011, 47, 243-249.	0.1	0
58	Simulation of liquid cooling of an extruded sleeve plastic film. Russian Journal of Applied Chemistry, 2011, 84, 1080-1084.	0.1	0
59	Determination of rolling time for thermoplastic compositions. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2011, 47, 243-249.	0.1	0
60	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.	0.1	0
61	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.	0.1	0
62	Modeling the cooling of smooth polymeric pipes. Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2011, 47, 441-446.	0.1	0
63	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), 2011, 47, 441-446.	0.1	0
64	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), 2011, 47, 441-446.	0.1	0
65	Classification of Stamped Packing Elements of Mass-Exchange Apparatuses (Survey of Patents). Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2011, 47, 441-446.	0.1	0
66	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), 2011, 47, 441-446.	0.1	0
67	Mathematical Modeling of Physical and Mechanical Properties of Polymeric Materials Reinforced with Carbon Nanotubes. Lecture Notes in Mechanical Engineering, 2021, , 33-42.	0.3	0
68	Modeling of extrusion-blown molding process of polymeric package. Ukrainian Food Journal, 2018, 7, 281-290.	0.1	0
69	Intensification of cooling of tubular blown polymeric packing films with the flowing-down liquid film. Ukrainian Food Journal, 2018, 7, 472-487.	0.1	0
70	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.	0.1	0
71	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.	0.1	0
72	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, 885-892.	0.1	0

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73	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) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6	0.1	0
74	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.	0.1	0
75	Classification of N-Line Static Cavitation Mixers (Survey of Designs). Chemical and Petroleum Engineering (English Translation of Khimicheskoe I Neftyanoe Mashinostroenie), 2022, 58, 74-81.	0.1	0
76	Classification of Screw Cooling Devices of Single-Screw Extruders for Polymer Materials Processing (Survey of Designs). Chemical and Petroleum Engineering (English Translation of Khimicheskoe I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.1	0
77	Classification of the Rotor Seals of Internal Mixers for Plastics and Rubber Compounds (Survey of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6	0.1	0