

# Olga Arsenyeva

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

797  
citations

471509

17  
h-index

526287

27  
g-index

37  
all docs

37  
docs citations

37  
times ranked

533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy demand of liquefaction and regasification of natural gas and the potential of LNG for operative thermal energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 99, 1-15.	16.4	100
2	Optimal design of plate-and-frame heat exchangers for efficient heat recovery in process industries. <i>Energy</i> , 2011, 36, 4588-4598.	8.8	55
3	The influence of plate corrugations geometry on plate heat exchanger performance in specified process conditions. <i>Energy</i> , 2013, 57, 201-207.	8.8	53
4	Heat exchangers for energy recovery in waste and biomass to energy technologies – I. Energy recovery from flue gas. <i>Applied Thermal Engineering</i> , 2014, 64, 213-223.	6.0	52
5	Accounting for the thermal resistance of cooling water fouling in plate heat exchangers. <i>Applied Thermal Engineering</i> , 2013, 61, 53-59.	6.0	48
6	Two types of welded plate heat exchangers for efficient heat recovery in industry. <i>Applied Thermal Engineering</i> , 2016, 105, 763-773.	6.0	47
7	An approach for pillow plate heat exchangers design for single-phase applications. <i>Applied Thermal Engineering</i> , 2019, 147, 579-591.	6.0	31
8	The use of plate heat exchangers to improve energy efficiency in phosphoric acid production. <i>Journal of Cleaner Production</i> , 2009, 17, 951-958.	9.3	30
9	Generalised semi-empirical correlation for heat transfer in channels of plate heat exchanger. <i>Applied Thermal Engineering</i> , 2014, 70, 1208-1215.	6.0	30
10	Searches of cost effective ways for amine absorption unit design in CO <sub>2</sub> post-combustion capture process. <i>Energy</i> , 2015, 90, 105-112.	8.8	29
11	Investigation of heat transfer and hydraulic resistance in small-scale pillow-plate heat exchangers. <i>Energy</i> , 2019, 181, 1213-1224.	8.8	28
12	Process integration of sodium hypophosphite production. <i>Applied Thermal Engineering</i> , 2010, 30, 2306-2314.	6.0	25
13	Crystallization Fouling With Enhanced Heat Transfer Surfaces. <i>Heat Transfer Engineering</i> , 2015, 36, 741-749.	1.9	23
14	Utilisation of waste heat from exhaust gases of drying process. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 131-138.	4.4	22
15	Investigation of the new corrugation pattern for low pressure plate condensers. <i>Applied Thermal Engineering</i> , 2011, 31, 2146-2152.	6.0	21
16	Heat transfer and friction factor in criss-cross flow channels of plate-and-frame heat exchangers. <i>Theoretical Foundations of Chemical Engineering</i> , 2012, 46, 634-641.	0.7	20
17	An advanced Grid Diagram for heat exchanger network retrofit with detailed plate heat exchanger design. <i>Energy</i> , 2022, 248, 123485.	8.8	18
18	Accounting for local thermal and hydraulic parameters of water fouling development in plate heat exchanger. <i>Energy</i> , 2019, 174, 1049-1059.	8.8	17

#	ARTICLE	IF	CITATIONS
19	Prediction of fouling tendency in PHE by data of on-site monitoring. Case study at sugar factory. Applied Thermal Engineering, 2018, 128, 1074-1081.	6.0	16
20	Plate heat exchanger design for the utilisation of waste heat from exhaust gases of drying process. Energy, 2021, 233, 121186.	8.8	12
21	The study of flat plate solar collector with absorbing elements from a polymer material. Energy, 2022, 256, 124677.	8.8	12
22	Optimal Design of Welded Plate Heat Exchanger for Ammonia Synthesis Column: An Experimental Study with Mathematical Optimisation. Energies, 2020, 13, 2847.	3.1	10
23	The influence of plate corrugations geometry scale factor on performance of plate heat exchanger as condenser of vapour from its mixture with noncondensing gas. Energy, 2020, 201, 117661.	8.8	10
24	Pressure drop in two phase flow of condensing air-steam mixture inside PHE channels formed by plates with corrugations of different geometries. Energy, 2021, 228, 120583.	8.8	10
25	Energy efficiency of complex technologies of phosphogypsum conversion. Theoretical Foundations of Chemical Engineering, 2013, 47, 225-230.	0.7	9
26	Thermal and hydraulic performance of pillow-plate heat exchangers. Computer Aided Chemical Engineering, 2018, 43, 181-186.	0.5	9
27	Integration of low-grade heat from exhaust gases into energy system of the enterprise. Clean Technologies and Environmental Policy, 2022, 24, 67-76.	4.1	8
28	Accounting for local features of fouling formation on PHE heat transfer surface. Frontiers of Chemical Science and Engineering, 2018, 12, 619-629.	4.4	6
29	The water fouling development in plate heat exchangers with plates of different corrugations geometry. Thermal Science and Engineering Progress, 2022, 32, 101310.	2.7	6
30	Heat integration of ammonia refrigeration cycle into buildings heating systems in buildings. Theoretical Foundations of Chemical Engineering, 2013, 47, 39-46.	0.7	5
31	The influence of plate corrugation geometry on heat and mass transfer performance of plate heat exchangers for condensation of steam in the presence of air. Thermal Science and Engineering Progress, 2022, 30, 101248.	2.7	5
32	Computer Aided Design of Plate Heat Exchangers. Computer Aided Chemical Engineering, 2010, 28, 1327-1332.	0.5	3
33	Estimation of enhanced heat transfer area targets in process industries. Computer Aided Chemical Engineering, 2013, 32, 355-360.	0.5	3
34	Incorporating fouling model in plate heat exchanger modelling and design. Computer Aided Chemical Engineering, 2018, 43, 289-290.	0.5	2
35	Process Integration of Heat Utilised from Exhaust Gases. Computer Aided Chemical Engineering, 2016, 38, 2265-2270.	0.5	0