

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	Integration of low-grade heat from exhaust gases into energy system of the enterprise. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 67-76.	4.1	8
2	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. <i>Thermal Science and Engineering Progress</i> , 2022, 30, 101248.	2.7	5
3	An advanced Grid Diagram for heat exchanger network retrofit with detailed plate heat exchanger design. <i>Energy</i> , 2022, 248, 123485.	8.8	18
4	The water fouling development in plate heat exchangers with plates of different corrugations geometry. <i>Thermal Science and Engineering Progress</i> , 2022, 32, 101310.	2.7	6
5	The study of flat plate solar collector with absorbing elements from a polymer material. <i>Energy</i> , 2022, 256, 124677.	8.8	12
6	Pressure drop in two phase flow of condensing air-steam mixture inside PHE channels formed by plates with corrugations of different geometries. <i>Energy</i> , 2021, 228, 120583.	8.8	10
7	Plate heat exchanger design for the utilisation of waste heat from exhaust gases of drying process. <i>Energy</i> , 2021, 233, 121186.	8.8	12
8	Optimal Design of Welded Plate Heat Exchanger for Ammonia Synthesis Column: An Experimental Study with Mathematical Optimisation. <i>Energies</i> , 2020, 13, 2847.	3.1	10
9	The influence of plate corrugations geometry scale factor on performance of plate heat exchanger as condenser of vapour from its mixture with noncondensing gas. <i>Energy</i> , 2020, 201, 117661.	8.8	10
10	An approach for pillow plate heat exchangers design for single-phase applications. <i>Applied Thermal Engineering</i> , 2019, 147, 579-591.	6.0	31
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	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
13	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
14	Prediction of fouling tendency in PHE by data of on-site monitoring. Case study at sugar factory. <i>Applied Thermal Engineering</i> , 2018, 128, 1074-1081.	6.0	16
15	Accounting for local features of fouling formation on PHE heat transfer surface. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 619-629.	4.4	6
16	Incorporating fouling model in plate heat exchanger modelling and design. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 289-290.	0.5	2
17	Thermal and hydraulic performance of pillow-plate heat exchangers. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 181-186.	0.5	9
18	Process Integration of Heat Utilised from Exhaust Gases. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 2265-2270.	0.5	0

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19	Two types of welded plate heat exchangers for efficient heat recovery in industry. Applied Thermal Engineering, 2016, 105, 763-773.	6.0	47
20	Utilisation of waste heat from exhaust gases of drying process. Frontiers of Chemical Science and Engineering, 2016, 10, 131-138.	4.4	22
21	Crystallization Fouling With Enhanced Heat Transfer Surfaces. Heat Transfer Engineering, 2015, 36, 741-749.	1.9	23
22	Searches of cost effective ways for amine absorption unit design in CO ₂ post-combustion capture process. Energy, 2015, 90, 105-112.	8.8	29
23	Heat exchangers for energy recovery in waste and biomass to energy technologies – I. Energy recovery from flue gas. Applied Thermal Engineering, 2014, 64, 213-223.	6.0	52
24	Generalised semi-empirical correlation for heat transfer in channels of plate heat exchanger. Applied Thermal Engineering, 2014, 70, 1208-1215.	6.0	30
25	Energy efficiency of complex technologies of phosphogypsum conversion. Theoretical Foundations of Chemical Engineering, 2013, 47, 225-230.	0.7	9
26	Heat integration of ammonia refrigeration cycle into buildings heating systems in buildings. Theoretical Foundations of Chemical Engineering, 2013, 47, 39-46.	0.7	5
27	Accounting for the thermal resistance of cooling water fouling in plate heat exchangers. Applied Thermal Engineering, 2013, 61, 53-59.	6.0	48
28	The influence of plate corrugations geometry on plate heat exchanger performance in specified process conditions. Energy, 2013, 57, 201-207.	8.8	53
29	Estimation of enhanced heat transfer area targets in process industries. Computer Aided Chemical Engineering, 2013, 32, 355-360.	0.5	3
30	Heat transfer and friction factor in criss-cross flow channels of plate-and-frame heat exchangers. Theoretical Foundations of Chemical Engineering, 2012, 46, 634-641.	0.7	20
31	Optimal design of plate-and-frame heat exchangers for efficient heat recovery in process industries. Energy, 2011, 36, 4588-4598.	8.8	55
32	Investigation of the new corrugation pattern for low pressure plate condensers. Applied Thermal Engineering, 2011, 31, 2146-2152.	6.0	21
33	Process integration of sodium hypophosphite production. Applied Thermal Engineering, 2010, 30, 2306-2314.	6.0	25
34	Computer Aided Design of Plate Heat Exchangers. Computer Aided Chemical Engineering, 2010, 28, 1327-1332.	0.5	3
35	The use of plate heat exchangers to improve energy efficiency in phosphoric acid production. Journal of Cleaner Production, 2009, 17, 951-958.	9.3	30