

Ivan Kantor

List of Publications by Year in Descending Order

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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.

30
papers

313
citations

10
h-index

17
g-index

30
ext. papers

392
ext. citations

4.3
avg, IF

3.91
L-index

#	Paper	IF	Citations
30	On the Application of Small-Scale Turbines in Industrial Steam Networks. <i>Energies</i> , 2021 , 14, 3149	3.1	1
29	A Mixed-Integer Linear Programming Formulation for Optimizing Multi-Scale Material and Energy Integration. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	16
28	Systematic Integration of Energy-Optimal Buildings With District Networks. <i>Energies</i> , 2019 , 12, 2945	3.1	1
27	Optimal Design of Heat-Integrated Water Allocation Networks. <i>Energies</i> , 2019 , 12, 2174	3.1	7
26	A Holistic Methodology for Optimizing Industrial Resource Efficiency. <i>Energies</i> , 2019 , 12, 1315	3.1	11
25	An Optimisation Approach for Long-Term Industrial Investment Planning. <i>Energies</i> , 2019 , 12, 4076	3.1	5
24	Incorporating Location Aspects in Process Integration Methodology. <i>Energies</i> , 2019 , 12, 3338	3.1	8
23	Geographically Parameterized Residential Sector Energy and Service Profile. <i>Frontiers in Energy Research</i> , 2019 , 7,	3.8	5
22	Heat-integrated water allocation network design: a novel hyperstructure and sequential solution strategy for industrial applications. <i>Computer Aided Chemical Engineering</i> , 2019 , 46, 1081-1086	0.6	1
21	Bottom-up method for potential estimation of energy saving measures. <i>Computer Aided Chemical Engineering</i> , 2019 , 46, 1597-1602	0.6	
20	Regional waste heat valorisation: A mixed integer linear programming method for energy service companies. <i>Energy</i> , 2019 , 167, 454-468	7.9	4
19	A Perspective on Process Integration 2018 , 403-440		
18	Generic superstructure synthesis of organic Rankine cycles for waste heat recovery in industrial processes. <i>Applied Energy</i> , 2018 , 212, 1203-1225	10.7	54
17	Optimal heat pump integration in industrial processes. <i>Applied Energy</i> , 2018 , 219, 68-92	10.7	50
16	A heat integration method with multiple heat exchange interfaces. <i>Energy</i> , 2018 , 152, 476-488	7.9	10
15	Optimal design of solar-assisted industrial processes considering heat pumping: Case study of a dairy. <i>Renewable Energy</i> , 2018 , 128, 565-585	8.1	20
14	A data-driven model for the air-cooling condenser of thermal power plants based on data reconciliation and support vector regression. <i>Applied Thermal Engineering</i> , 2018 , 129, 1496-1507	5.8	28

13	Synthesis of Heat-Integrated Water Allocation Networks: A Meta-Analysis of Solution Strategies and Network Features. <i>Energies</i> , 2018 , 11, 1158	3.1	14
12	A Heat Load Distribution Method for Retrofitting Heat Exchanger Networks. <i>Computer Aided Chemical Engineering</i> , 2018 , 1395-1400	0.6	
11	Aggregated and disaggregated correlations of household electricity consumption with time-of-use shifting and conservation. <i>Energy and Buildings</i> , 2017 , 139, 326-339	7	8
10	General Superstructure Synthesis and Bi-level Solution Strategy for Industrial Heat Pumping. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 1159-1164	0.6	0
9	Techno-Economic and Environmental Optimization of Palm-based Biorefineries in the Brazilian Context. <i>Computer Aided Chemical Engineering</i> , 2017 , 2611-2616	0.6	4
8	A Hybrid Methodology for Combined Interplant Heat, Water, and Power Integration. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 1969-1974	0.6	5
7	Virtual Sector Profiles for Innovation Sharing in Process Industry Sector 01: Chemicals. <i>Smart Innovation, Systems and Technologies</i> , 2017 , 569-578	0.5	
6	Generalized mixed-integer nonlinear programming modeling of eco-industrial networks to reduce cost and emissions. <i>Journal of Cleaner Production</i> , 2015 , 99, 160-176	10.3	16
5	Economic feasibility of residential electricity storage systems in Ontario, Canada considering two policy scenarios. <i>Energy and Buildings</i> , 2015 , 86, 222-232	7	9
4	Optimisation of material and energy exchange in an eco-park network considering three fuel sources. <i>International Journal of Advanced Operations Management</i> , 2014 , 6, 285	0.8	2
3	Optimized production of hydrogen in an eco-park network accounting for life-cycle emissions and profit. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 5347-5359	6.7	14
2	Air quality and environmental impacts of alternative vehicle technologies in Ontario, Canada. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 5145-5153	6.7	18
1	Optimal synthesis of heat exchanger network for thermochemical S-I cycle. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 27-33	4.1	2