

# Yerzhan Belyayev

## List of Publications by Citations

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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.

11  
papers

338  
citations

7  
h-index

12  
g-index

12  
ext. papers

457  
ext. citations

7.4  
avg, IF

4.32  
L-index

#	Paper	IF	Citations
11	Research and developments on solar assisted compression heat pump systems I A comprehensive review (Part A: Modeling and modifications). <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 83, 90-123	16.2	114
10	Research and developments on solar assisted compression heat pump systems I A comprehensive review (Part-B: Applications). <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 83, 124-155	16.2	104
9	Energy, exergy, economic and enviro-economic (4E) analysis of gravel coarse aggregate sensible heat storage-assisted single-slope solar still. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 475-494	4.1	31
8	Numerical simulation of a heat pump assisted solar dryer for continental climates. <i>Renewable Energy</i> , <b>2019</b> , 143, 214-225	8.1	26
7	Numerical simulation on solar collector and cascade heat pump combi water heating systems in Kazakhstan climates. <i>Renewable Energy</i> , <b>2020</b> , 145, 1222-1234	8.1	21
6	Thermal Performance Simulation of a Heat Pump Assisted Solar Desalination System for Kazakhstan Climatic Conditions. <i>Heat Transfer Engineering</i> , <b>2019</b> , 40, 1060-1072	1.7	19
5	Performance analysis of crushed gravel sand heat storage and biomass evaporator-assisted single slope solar still. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 65610-65620	5.1	10
4	Review of the advances in solar-assisted air source heat pumps for the domestic sector. <i>Energy Conversion and Management</i> , <b>2021</b> , 247, 114710	10.6	7
3	Numerical simulation of a heat pump assisted regenerative solar still with PCM heat storage for cold climates of Kazakhstan. <i>Thermal Science</i> , <b>2017</b> , 21, 411-418	1.2	4
2	Analysis of operation performance of three indirect expansion solar assisted air source heat pumps for domestic heating. <i>Energy Conversion and Management</i> , <b>2022</b> , 252, 115061	10.6	2
1	Numerical Study of the Particle Dispersion on a Supersonic Shear Layer. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 798, 536-540	0.3	