

Kiyarash Rahbar

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.

16
papers

573
citations

12
h-index

16
g-index

16
ext. papers

701
ext. citations

7.7
avg, IF

4.24
L-index

#	Paper	IF	Citations
16	Review of organic Rankine cycle for small-scale applications. <i>Energy Conversion and Management</i> , 2017 , 134, 135-155	10.6	188
15	Modelling and optimization of organic Rankine cycle based on a small-scale radial inflow turbine. <i>Energy Conversion and Management</i> , 2015 , 91, 186-198	10.6	78
14	Parametric analysis and optimization of a small-scale radial turbine for Organic Rankine Cycle. <i>Energy</i> , 2015 , 83, 696-711	7.9	66
13	Heat recovery of nano-fluid based concentrating Photovoltaic Thermal (CPV/T) Collector with Organic Rankine Cycle. <i>Energy Conversion and Management</i> , 2019 , 179, 373-396	10.6	38
12	Modelling of a fixed bed reactor for Fischer-Tropsch synthesis of simulated N ₂ -rich syngas over Co/SiO ₂ : Hydrocarbon production. <i>Fuel</i> , 2015 , 154, 140-151	7.1	35
11	A comprehensive study of kinetics mechanism of Fischer-Tropsch synthesis over cobalt-based catalyst. <i>Chemical Engineering Science</i> , 2017 , 171, 32-60	4.4	27
10	Three dimensional optimization of small-scale axial turbine for low temperature heat source driven organic Rankine cycle. <i>Energy Conversion and Management</i> , 2017 , 133, 411-426	10.6	26
9	Performance enhancement and optimization of solar chimney power plant integrated with transparent photovoltaic cells and desalination method. <i>Sustainable Cities and Society</i> , 2019 , 46, 101441	10.1	22
8	Catalytic performance of cobalt-silica catalyst for Fischer-Tropsch synthesis: Effects of reaction rates on efficiency of liquid synthesis. <i>Chemical Engineering Science</i> , 2015 , 134, 374-384	4.4	21
7	Minimization of loss in small scale axial air turbine using CFD modeling and evolutionary algorithm optimization. <i>Applied Thermal Engineering</i> , 2016 , 102, 841-848	5.8	18
6	Mean-line modeling and CFD analysis of a miniature radial turbine for distributed power generation systems. <i>International Journal of Low-Carbon Technologies</i> , 2016 , 11, 157-168	2.8	17
5	Development and experimental study of a small-scale compressed air radial inflow turbine for distributed power generation. <i>Applied Thermal Engineering</i> , 2017 , 116, 549-583	5.8	15
4	Feasibility study of power generation through waste heat recovery of wood burning stove using the ORC technology. <i>Sustainable Cities and Society</i> , 2017 , 35, 594-614	10.1	10
3	Design and manufacturing a small-scale radial-inflow turbine for clean organic Rankine power system. <i>Journal of Cleaner Production</i> , 2020 , 257, 120488	10.3	8
2	Parametric Study and Multiobjective Optimization of Fixed-Bed Fischer-Tropsch (FT) Reactor: The Improvement of FT Synthesis Product Formation and Synthetic Conversion. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 9446-9466	3.9	4
1	3-D numerical simulation and experimental study of PV module self-cleaning based on dew formation and single axis tracking. <i>Applied Energy</i> , 2022 , 316, 119119	10.7	0