

Canan Acar

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.

48
papers

3,692
citations

20
h-index

52
g-index

52
ext. papers

4,676
ext. citations

5.3
avg, IF

6.78
L-index

#	Paper	IF	Citations
48	Comparative fuel cell sustainability assessment with a novel approach. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	3
47	Investigation of a new integrated system for multiple outputs with hydrogen and methanol. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 4699-4715	6.7	1
46	Optimal sizing design of an isolated stand-alone hybrid wind-hydrogen system for a zero-energy house. <i>Applied Energy</i> , 2020 , 274, 115244	10.7	22
45	Enhanced generation of hydrogen, power, and heat with a novel integrated photoelectrochemical system. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 34666-34678	6.7	4
44	Solar Hydrogen Role for a Sustainable Future. <i>Lecture Notes in Energy</i> , 2020 , 309-331	0.4	1
43	A comprehensive review of recent advances in renewable-based drying technologies for a sustainable future. <i>Drying Technology</i> , 2020 , 1-27	2.6	16
42	The potential role of hydrogen as a sustainable transportation fuel to combat global warming. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 3396-3406	6.7	113
41	Transition to a new era with light-based hydrogen production for a carbon-free society: An overview. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 25347-25364	6.7	27
40	Review and evaluation of hydrogen production options for better environment. <i>Journal of Cleaner Production</i> , 2019 , 218, 835-849	10.3	298
39	Better thermal management options with heat storage systems for various applications: An Evaluation. <i>Energy Storage</i> , 2019 , 1, e47	2.8	14
38	A novel multicriteria sustainability investigation of energy storage systems. <i>International Journal of Energy Research</i> , 2019 , 43, 6419-6441	4.5	29
37	Investigation of a unique integrated photoelectrochemical system for multigeneration purposes. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 18756-18766	6.7	6
36	Investigation of a novel photoelectrochemical hydrogen production system. <i>Chemical Engineering Science</i> , 2019 , 197, 74-86	4.4	11
35	Smart energy solutions with hydrogen options. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 8579-8599	6.7	130
34	Energetic and exergetic investigations of an innovative light-based hydrogen production reactor. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 10249-10257	6.7	1
33	2.17 Photoactive Materials 2018 , 524-572		3
32	Potential Energy Solutions for Better Sustainability 2018 , 3-37		5

31	4.24 Hydrogen Energy Conversion Systems 2018 , 947-984		1
30	1.30 Future Energy Directions 2018 , 1199-1214		
29	2.32 Future Directions in Energy Materials 2018 , 1043-1059		
28	Thermodynamic analysis and experimental investigation of a unique photoelectrochemical hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 4223-4232	6.7	6
27	Sustainability analysis of different hydrogen production options using hesitant fuzzy AHP. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 18059-18076	6.7	78
26	A comprehensive evaluation of energy storage options for better sustainability. <i>International Journal of Energy Research</i> , 2018 , 42, 3732-3746	4.5	45
25	1.13 Hydrogen Energy 2018 , 568-605		9
24	3.1 Hydrogen Production 2018 , 1-40		8
23	Experimental investigation and analysis of a hybrid photoelectrochemical hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 2504-2511	6.7	20
22	Innovation in hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 14843-14864	6.7	134
21	Smart energy systems for a sustainable future. <i>Applied Energy</i> , 2017 , 194, 225-235	10.7	101
20	Testing and performance evaluation of a hybrid photoelectrochemical hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 3605-3613	6.7	14
19	Environmental impact assessment of renewables and conventional fuels for different end use purposes. <i>International Journal of Global Warming</i> , 2017 , 13, 260	0.6	14
18	Energy and exergy analyses of a novel photoelectrochemical hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 30550-30558	6.7	7
17	Targeted use of LEDs in improvement of production efficiency through phytochemical enrichment. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 5059-5064	4.3	26
16	Clean hydrogen and power from impure water. <i>Journal of Power Sources</i> , 2016 , 331, 189-197	8.9	18
15	Energy and exergy analyses of a residential cold thermal energy storage system. <i>International Journal of Exergy</i> , 2016 , 19, 441	1.2	2
14	A review on potential use of hydrogen in aviation applications. <i>International Journal of Sustainable Aviation</i> , 2016 , 2, 74	0.7	39

13	A review and evaluation of photoelectrode coating materials and methods for photoelectrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 7950-7959	6.7	59
12	Review of photocatalytic water-splitting methods for sustainable hydrogen production. <i>International Journal of Energy Research</i> , 2016 , 40, 1449-1473	4.5	297
11	Exergetic performance assessment of an integrated solar energy system. <i>International Journal of Exergy</i> , 2016 , 19, 161	1.2	8
10	Evaluation of a new continuous type hybrid photo-electrochemical system. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 11112-11124	6.7	20
9	Impact assessment and efficiency evaluation of hydrogen production methods. <i>International Journal of Energy Research</i> , 2015 , 39, 1757-1768	4.5	78
8	A review on clean energy solutions for better sustainability. <i>International Journal of Energy Research</i> , 2015 , 39, 585-606	4.5	300
7	Review and evaluation of hydrogen production methods for better sustainability. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 11094-11111	6.7	1101
6	Comparative assessment of hydrogen production methods from renewable and non-renewable sources. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 1-12	6.7	466
5	Analysis and assessment of a continuous-type hybrid photoelectrochemical system for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 15362-15372	6.7	39
4	A review on selected heterogeneous photocatalysts for hydrogen production. <i>International Journal of Energy Research</i> , 2014 , 38, 1903-1920	4.5	110
3	Performance Assessment of a Two-Stage Heat Pump Drying System 2014 , 149-164		2
2	Energy and Exergy Analyses of a Zero Emission Power Plant for Coproduction of Electricity and Methanol 2014 , 145-156		2
1	Comparative Environmental Impact Evaluation of Hydrogen Production Methods from Renewable and Nonrenewable Sources 2013 , 493-514		3