

# Canan Acar

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

5,739  
citations

279487

23  
h-index

301761

39  
g-index

52  
all docs

52  
docs citations

52  
times ranked

6641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review and evaluation of hydrogen production methods for better sustainability. International Journal of Hydrogen Energy, 2015, 40, 11094-11111.	3.8	1,666
2	Comparative assessment of hydrogen production methods from renewable and non-renewable sources. International Journal of Hydrogen Energy, 2014, 39, 1-12.	3.8	665
3	Review and evaluation of hydrogen production options for better environment. Journal of Cleaner Production, 2019, 218, 835-849.	4.6	570
4	A review on clean energy solutions for better sustainability. International Journal of Energy Research, 2015, 39, 585-606.	2.2	454
5	Review of photocatalytic water-splitting methods for sustainable hydrogen production. International Journal of Energy Research, 2016, 40, 1449-1473.	2.2	427
6	The potential role of hydrogen as a sustainable transportation fuel to combat global warming. International Journal of Hydrogen Energy, 2020, 45, 3396-3406.	3.8	283
7	Smart energy solutions with hydrogen options. International Journal of Hydrogen Energy, 2018, 43, 8579-8599.	3.8	202
8	Innovation in hydrogen production. International Journal of Hydrogen Energy, 2017, 42, 14843-14864.	3.8	185
9	A review on selected heterogeneous photocatalysts for hydrogen production. International Journal of Energy Research, 2014, 38, 1903-1920.	2.2	148
10	Smart energy systems for a sustainable future. Applied Energy, 2017, 194, 225-235.	5.1	135
11	Sustainability analysis of different hydrogen production options using hesitant fuzzy AHP. International Journal of Hydrogen Energy, 2018, 43, 18059-18076.	3.8	126
12	Impact assessment and efficiency evaluation of hydrogen production methods. International Journal of Energy Research, 2015, 39, 1757-1768.	2.2	103
13	A review on potential use of hydrogen in aviation applications. International Journal of Sustainable Aviation, 2016, 2, 74.	0.1	72
14	A review and evaluation of photoelectrode coating materials and methods for photoelectrochemical hydrogen production. International Journal of Hydrogen Energy, 2016, 41, 7950-7959.	3.8	71
15	A comprehensive evaluation of energy storage options for better sustainability. International Journal of Energy Research, 2018, 42, 3732-3746.	2.2	66
16	Transition to a new era with light-based hydrogen production for a carbon-free society: An overview. International Journal of Hydrogen Energy, 2019, 44, 25347-25364.	3.8	57
17	A comprehensive review of recent advances in renewable-based drying technologies for a sustainable future. Drying Technology, 2022, 40, 1029-1050.	1.7	48
18	Optimal sizing design of an isolated stand-alone hybrid wind-hydrogen system for a zero-energy house. Applied Energy, 2020, 274, 115244.	5.1	46

#	ARTICLE	IF	CITATIONS
19	Analysis and assessment of a continuous-type hybrid photoelectrochemical system for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15362-15372.	3.8	44
20	A novel multicriteria sustainability investigation of energy storage systems. <i>International Journal of Energy Research</i> , 2019, 43, 6419-6441.	2.2	42
21	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.	1.7	39
22	Experimental investigation and analysis of a hybrid photoelectrochemical hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2504-2511.	3.8	26
23	Evaluation of a new continuous type hybrid photo-electrochemical system. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 11112-11124.	3.8	24
24	Clean hydrogen and power from impure water. <i>Journal of Power Sources</i> , 2016, 331, 189-197.	4.0	23
25	Comparative fuel cell sustainability assessment with a novel approach. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 575-594.	3.8	22
26	Better thermal management options with heat storage systems for various applications: An Evaluation. <i>Energy Storage</i> , 2019, 1, e47.	2.3	20
27	Environmental impact assessment of renewables and conventional fuels for different end use purposes. <i>International Journal of Global Warming</i> , 2017, 13, 260.	0.2	19
28	3.1 Hydrogen Production. , 2018, , 1-40.		18
29	Investigation of a novel photoelectrochemical hydrogen production system. <i>Chemical Engineering Science</i> , 2019, 197, 74-86.	1.9	18
30	Testing and performance evaluation of a hybrid photoelectrochemical hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3605-3613.	3.8	16
31	1.13 Hydrogen Energy. , 2018, , 568-605.		16
32	Exergetic performance assessment of an integrated solar energy system. <i>International Journal of Exergy</i> , 2016, 19, 161.	0.2	9
33	Energy and exergy analyses of a novel photoelectrochemical hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30550-30558.	3.8	9
34	Potential Energy Solutions for Better Sustainability. , 2018, , 3-37.		8
35	Investigation of a unique integrated photoelectrochemical system for multigeneration purposes. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 18756-18766.	3.8	8
36	Thermodynamic analysis and experimental investigation of a unique photoelectrochemical hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4223-4232.	3.8	7

#	ARTICLE	IF	CITATIONS
37	4.24 Hydrogen Energy Conversion Systems. , 2018, , 947-984.		7
38	Enhanced generation of hydrogen, power, and heat with a novel integrated photoelectrochemical system. International Journal of Hydrogen Energy, 2020, 45, 34666-34678.	3.8	7
39	Investigation of a new integrated system for multiple outputs with hydrogen and methanol. International Journal of Hydrogen Energy, 2021, 46, 4699-4715.	3.8	6
40	Energy and exergy analyses of a residential cold thermal energy storage system. International Journal of Exergy, 2016, 19, 441.	0.2	5
41	2.17 Photoactive Materials. , 2018, , 524-572.		4
42	Energy and Exergy Analyses of a Zero Emission Power Plant for Coproduction of Electricity and Methanol. , 2014, , 145-156.		4
43	Environmental impact assessment of renewables and conventional fuels for different end use purposes. International Journal of Global Warming, 2017, 13, 260.	0.2	2
44	Energetic and exergetic investigations of an innovative light-based hydrogen production reactor. International Journal of Hydrogen Energy, 2018, 43, 10249-10257.	3.8	1
45	Solar Hydrogen's Role for a Sustainable Future. Lecture Notes in Energy, 2020, , 309-331.	0.2	1
46	2.33 Concluding Remarks. , 2018, , 1060-1070.		0
47	1.30 Future Energy Directions. , 2018, , 1199-1214.		0
48	2.32 Future Directions in Energy Materials. , 2018, , 1043-1059.		0
49	Energetic And Exergetic Investigations of an Integrated Heat Pump System for Drying Applications. Hittite Journal of Science & Engineering, 2018, 5, 321-337.	0.2	0
50	Hydrogen Energy. , 2022, , 447-494.		0