

# Osamah Siddiqui

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2596481/publications.pdf>

Version: 2024-02-01

31  
papers

750  
citations

567144

15  
h-index

526166

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and performance assessment of a new solar-based multigeneration system integrated with ammonia fuel cell and solid oxide fuel cell-gas turbine combined cycle. <i>Journal of Power Sources</i> , 2017, 370, 138-154.	4.0	115
2	A review and comparative assessment of direct ammonia fuel cells. <i>Thermal Science and Engineering Progress</i> , 2018, 5, 568-578.	1.3	99
3	Examination of a new solar-based integrated system for desalination, electricity generation and hydrogen production. <i>Solar Energy</i> , 2018, 163, 224-234.	2.9	84
4	A new solar and geothermal based integrated ammonia fuel cell system for multigeneration. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 34637-34653.	3.8	53
5	Development of a novel renewable energy system integrated with biomass gasification combined cycle for cleaner production purposes. <i>Journal of Cleaner Production</i> , 2019, 241, 118345.	4.6	42
6	Investigation of a New Anion Exchange Membrane-based Direct Ammonia Fuel Cell System. <i>Fuel Cells</i> , 2018, 18, 379-388.	1.5	32
7	A new solar energy system for ammonia production and utilization in fuel cells. <i>Energy Conversion and Management</i> , 2020, 208, 112590.	4.4	32
8	Experimental investigation and assessment of direct ammonia fuel cells utilizing alkaline molten and solid electrolytes. <i>Energy</i> , 2019, 169, 914-923.	4.5	31
9	A Review on Fuel Cell-Based Locomotive Powering Options for Sustainable Transportation. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 677-693.	1.7	31
10	Design and assessment of a new solar-based biomass gasification system for hydrogen, cooling, power and fresh water production utilizing rice husk biomass. <i>Energy Conversion and Management</i> , 2021, 236, 114001.	4.4	30
11	Development and performance evaluation of a direct ammonia fuel cell stack. <i>Chemical Engineering Science</i> , 2019, 200, 285-293.	1.9	25
12	Performance investigation of a new renewable energy-based carbon dioxide capturing system with aqueous ammonia. <i>International Journal of Energy Research</i> , 2020, 44, 2252-2263.	2.2	22
13	Experimental investigation of improvement capability of ammonia fuel cell performance with addition of hydrogen. <i>Energy Conversion and Management</i> , 2020, 205, 112372.	4.4	19
14	A novel hybrid ammonia fuel cell and thermal energy storage system. <i>International Journal of Energy Research</i> , 2019, 43, 3006-3010.	2.2	16
15	Development and evaluation of a solar-based integrated ammonia synthesis and fuel cell system. <i>Journal of Cleaner Production</i> , 2020, 256, 120393.	4.6	16
16	Design and Analysis of a Novel Integrated Wind-Solar-OTEC Energy System for Producing Hydrogen, Electricity, and Fresh Water. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2019, 141, .	1.1	13
17	Development and performance assessment of new solar and fuel cell-powered oxygen generators and ventilators for COVID-19 patients. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33053-33067.	3.8	12
18	Development and Assessment of a Novel Integrated System Using an Ammonia Internal Combustion Engine and Fuel Cells for Cogeneration Purposes. <i>Energy &amp; Fuels</i> , 2019, 33, 2413-2425.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Development of a new ammonia-based energy storage option for grid balancing. Energy Storage, 2020, 2, e145.	2.3	11
20	Development of a novel hybrid regenerative-electrode ammonia fuel cell and battery system. Energy Conversion and Management, 2019, 181, 476-484.	4.4	7
21	Experimental investigation of a sustainable integrated ammonia synthesis and fuel cell system. Fuel, 2020, 278, 118300.	3.4	7
22	Development and evaluation of a new hybrid ammonia fuel cell system with solar energy. Energy, 2019, 189, 116185.	4.5	6
23	Analysis and modelling of microwave plasma hydrogen production utilizing water vapor and tungsten electrodes. International Journal of Hydrogen Energy, 2019, 44, 25319-25334.	3.8	6
24	Exergetic Performance Investigation of Varying Flashing From Single to Quadruple for Geothermal Power Plants. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	1.4	5
25	Development of a sustainable energy system utilizing a new molten-salt based hybrid thermal energy storage and electrochemical energy conversion technique. Sustainable Energy Technologies and Assessments, 2020, 42, 100866.	1.7	5
26	Ammonia fuel cells. , 2020, , 77-122.		5
27	Design and Optimization of a Dual Renewable Energy-Based Plant Utilizing Integrated Hydrogen to Ammonia and Fuel Cell Systems. Energy & Fuels, 2021, 35, 670-689.	2.5	4
28	Development and analysis of a new renewable energy-based industrial wastewater treatment system. Journal of Environmental Management, 2021, 290, 112564.	3.8	4
29	A Comparative Life-Cycle Assessment of Two Cogeneration Plants. Energy Technology, 2020, 8, 1900425.	1.8	3
30	Ammonia Fuel Cells for Wind Power Smoothing and Control for Smart Grid Applications. , 2021, , .		3
31	Integrated ammonia fuel cell systems. , 2020, , 157-197.		1