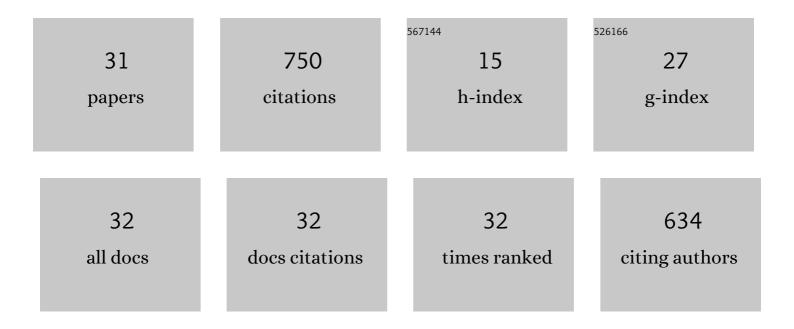
Osamah Siddiqui

List of Publications by Year in descending order

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#	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. Journal of Power Sources, 2017, 370, 138-154.	4.0	115
2	A review and comparative assessment of direct ammonia fuel cells. Thermal Science and Engineering Progress, 2018, 5, 568-578.	1.3	99
3	Examination of a new solar-based integrated system for desalination, electricity generation and hydrogen production. Solar Energy, 2018, 163, 224-234.	2.9	84
4	A new solar and geothermal based integrated ammonia fuel cell system for multigeneration. International Journal of Hydrogen Energy, 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. Journal of Cleaner Production, 2019, 241, 118345.	4.6	42
6	Investigation of a New Anion Exchange Membraneâ€based Direct Ammonia Fuel Cell System. Fuel Cells, 2018, 18, 379-388.	1.5	32
7	A new solar energy system for ammonia production and utilization in fuel cells. Energy Conversion and Management, 2020, 208, 112590.	4.4	32
8	Experimental investigation and assessment of direct ammonia fuel cells utilizing alkaline molten and solid electrolytes. Energy, 2019, 169, 914-923.	4.5	31
9	A Review on Fuel Cell-Based Locomotive Powering Options for Sustainable Transportation. Arabian Journal for Science and Engineering, 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. Energy Conversion and Management, 2021, 236, 114001.	4.4	30
11	Development and performance evaluation of a direct ammonia fuel cell stack. Chemical Engineering Science, 2019, 200, 285-293.	1.9	25
12	Performance investigation of a new renewable energyâ€based carbon dioxide capturing system with aqueous ammonia. International Journal of Energy Research, 2020, 44, 2252-2263.	2.2	22
13	Experimental investigation of improvement capability of ammonia fuel cell performance with addition of hydrogen. Energy Conversion and Management, 2020, 205, 112372.	4.4	19
14	A novel hybrid ammonia fuel cell and thermal energy storage system. International Journal of Energy Research, 2019, 43, 3006-3010.	2.2	16
15	Development and evaluation of a solar-based integrated ammonia synthesis and fuel cell system. Journal of Cleaner Production, 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. Journal of Solar Energy Engineering, Transactions of the ASME, 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. International Journal of Hydrogen Energy, 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. Energy & 2019, 2019, 33, 2413-2425.	2.5	11

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#	Article	IF	CITATIONS
19	Development of a new ammoniaâ€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 ycle 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