

Ibrahim Dincer

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

1,107
papers

45,207
citations

101
h-index

160
g-index

1,140
ext. papers

53,898
ext. citations

6.1
avg. IF

8.86
L-index

#	Paper	IF	Citations
1107	Development of a geothermal-flash organic Rankine cycle-based combined system with solar heat upgrade. <i>Energy Conversion and Management</i> , 2022 , 252, 115120	10.6	3
1106	Challenges, opportunities and future directions in hydrogen sector development in Canada. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 9083-9102	6.7	4
1105	Development and optimization of a multigeneration geothermal and solid-oxide fuel cell-based integrated system with carbon capturing. <i>Applied Thermal Engineering</i> , 2022 , 205, 118037	5.8	1
1104	A new photoelectrochemical reactor designed for solar hydrogen fuel production: Experimental study. <i>Chemical Engineering Science</i> , 2022 , 250, 117404	4.4	1
1103	An assessment study on various clean hydrogen production methods. <i>Energy</i> , 2022 , 245, 123090	7.9	2
1102	A unique bifacial PV and hydrogen-based cleaner energy system with heat recovery for data centers. <i>Applied Thermal Engineering</i> , 2022 , 206, 118102	5.8	0
1101	Thermoeconomic and impact assessments of trigeneration systems with various fuels. <i>Fuel</i> , 2022 , 317, 123503	7.1	0
1100	Performance analysis of a solar based waste to energy multigeneration system. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 50, 101729	4.7	0
1099	Assessment and multi-objective optimization of a vanadium-chlorine thermochemical cycle integrated with algal biomass gasification for hydrogen and power production. <i>Energy Conversion and Management</i> , 2022 , 253, 115132	10.6	2
1098	Assessment of a thin-electrolyte solid oxide cell for hydrogen production. <i>Energy</i> , 2022 , 243, 123042	7.9	0
1097	Exergetic assessment of a newly designed solid oxide fuel cell-based system combined with a propulsion engine. <i>Energy</i> , 2022 , 239, 122314	7.9	1
1096	A unique ocean and solar based multigenerational system with hydrogen production and thermal energy storage for Arctic communities. <i>Energy</i> , 2022 , 239, 122126	7.9	3
1095	Economic and environmental impact assessments of hybridized aircraft engines with hydrogen and other fuels. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 11669-11685	6.7	1
1094	Development and analysis of new pneumatic based powering options for transit buses: A comparative assessment. <i>Energy Conversion and Management</i> , 2022 , 256, 115399	10.6	0
1093	Development of solar-driven charging station integrated with hydrogen as an energy storage option. <i>Energy Conversion and Management</i> , 2022 , 257, 115436	10.6	0
1092	Effective use of geothermal energy for hydrogen production: A comprehensive application. <i>Energy</i> , 2022 , 249, 123597	7.9	3
1091	Analysis of a newly developed hybrid pneumatic powertrain configuration for transit bus applications. <i>Energy</i> , 2022 , 248, 123557	7.9	0

1090	Development and analysis of a clean methane production system. <i>Fuel</i> , 2022 , 317, 123396	7.1	0
1089	Exergoeconomic analysis and optimization of a solar energy-based integrated system with oxy-combustion for combined power cycle and carbon capturing. <i>Energy</i> , 2022 , 250, 123814	7.9	0
1088	Analysis of a newly developed locomotive engine employing sustainable fuel blends with hydrogen. <i>Fuel</i> , 2022 , 319, 123748	7.1	1
1087	A newly developed solar-based cogeneration system with energy storage and heat recovery for sustainable data centers: Energy and exergy analyses. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 102145	4.7	2
1086	Development of an integrated solar and wind driven energy system for desalination and power generation. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 52, 102249	4.7	0
1085	Design of a Multigenerational System With Absorption Cooling for a Residential Community: A Case Study. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	2
1084	Investigation of a new integrated energy system with thermochemical hydrogen production cycle and desalination. <i>Applied Thermal Engineering</i> , 2021 , 203, 117842	5.8	2
1083	A new solar energy-based integrated carbon capturing system with a gas turbine-supercritical CO ₂ combined power cycle. <i>Energy Conversion and Management</i> , 2021 , 114999	10.6	1
1082	Development of an integrated hydropower system with hydrogen and methanol production. <i>Energy</i> , 2021 , 240, 122780	7.9	2
1081	Analysis and economic evaluation of a unique carbon capturing system with ammonia for producing ammonium bicarbonate. <i>Energy Conversion and Management</i> , 2021 , 252, 115062	10.6	1
1080	A new experimentally developed integrated organic Rankine cycle plant. <i>Applied Thermal Engineering</i> , 2021 , 187, 116561	5.8	1
1079	Effective use of hydrogen sulfide and natural gas resources available in the Black Sea for hydrogen economy. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 10697-10707	6.7	7
1078	Enhancement of a nuclear power plant with a renewable based multigenerational energy system. <i>International Journal of Energy Research</i> , 2021 , 45, 12396-12412	4.5	6
1077	A novel ammonia solid oxide fuel cell-based powering system with on-board hydrogen production for clean locomotives. <i>Energy</i> , 2021 , 220, 119771	7.9	14
1076	Development of integrated sustainability performance indicators for better management of smart cities. <i>Sustainable Cities and Society</i> , 2021 , 67, 102704	10.1	28
1075	Dynamic modelling of a solar hydrogen system for power and ammonia production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 13985-14004	6.7	4
1074	Optimization of a new renewable energy system for producing electricity, hydrogen and ammonia. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 44, 101023	4.7	1
1073	Multi-criteria sustainability assessment of potential methanol production processes. <i>Journal of Cleaner Production</i> , 2021 , 293, 126226	10.3	5

1072	Exergo-economic assessment by a specific exergy costing method for an experimental thermochemical hydrogen production system. <i>International Journal of Energy Research</i> , 2021 , 45, 17358-17377 ²	4.5	2
1071	Development of efficient sonoreactor geometries for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 15219-15240	6.7	3
1070	Evaluation of a new geothermal based multigenerational plant with primary outputs of hydrogen and ammonia. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 16344-16359	6.7	13
1069	Investigation of Potential Fuels for Hybrid Molten Carbonate Fuel Cell-Based Aircraft Propulsion Systems. <i>Energy & Fuels</i> , 2021 , 35, 10156-10168	4.1	4
1068	Process Improvement and Analysis of an Integrated Four-Step Copper-Chlorine Cycle Modified with a Flash Vaporization Process for Hydrogen Production. <i>Energy & Fuels</i> , 2021 , 35, 9038-9046	4.1	1
1067	Investigation of two hybrid aircraft propulsion and powering systems using alternative fuels. <i>Energy</i> , 2021 , 232, 121037	7.9	6
1066	Investigation and optimization of a new hybrid natural gas reforming system for cascaded hydrogen, ammonia and methanol synthesis. <i>Computers and Chemical Engineering</i> , 2021 , 148, 107234	4	3
1065	Assessment of effectiveness of optimum physical distancing phenomena for COVID-19. <i>Physics of Fluids</i> , 2021 , 33, 051903	4.4	9
1064	Development of a multigenerational energy system for clean hydrogen generation. <i>Journal of Cleaner Production</i> , 2021 , 299, 126909	10.3	8
1063	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	10.6	7
1062	Multi-component modeling and simulation of a new photoelectrochemical reactor design for clean hydrogen production. <i>Energy</i> , 2021 , 224, 120196	7.9	6
1061	A new geothermally driven combined plant with energy storage option for six useful outputs in a sustainable community. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101180	4.7	1
1060	Experimental and theoretical investigations of a new cascaded reactor for ammonia as a renewable fuel. <i>Fuel Processing Technology</i> , 2021 , 217, 106780	7.2	3
1059	Novel hybrid aircraft propulsion systems using hydrogen, methane, methanol, ethanol and dimethyl ether as alternative fuels. <i>Energy Conversion and Management</i> , 2021 , 238, 114172	10.6	10
1058	Comparative evaluation of fuel cell based powering systems for cleaner locomotives. <i>Thermal Science and Engineering Progress</i> , 2021 , 23, 100912	3.6	3
1057	Overview of Canada's energy storage related research activities: A perspective. <i>International Journal of Energy Research</i> , 2021 , 45, 17450-17460	4.5	1
1056	Advanced kinetic modelling and simulation of a new small modular ammonia production unit. <i>Chemical Engineering Science</i> , 2021 , 236, 116512	4.4	6
1055	A new integrated system with thermal energy storage for five useful outputs: A case study. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101116	4.7	

1054	An integrated bifacial photovoltaic and supercritical geothermal driven copper-chlorine thermochemical cycle for multigeneration. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101117	4.7	3
1053	Performance Assessment Study on the Na-O-H Thermochemical Water Splitting Cycle for Hydrogen Generation. <i>Chemical Engineering and Technology</i> , 2021 , 44, 1512-1518	2	0
1052	A comparative review of potential ammonia-based carbon capture systems. <i>Journal of Environmental Management</i> , 2021 , 287, 112357	7.9	7
1051	Analysis and assessment of a new solar assisted sodium hydroxide thermochemical hydrogen production cycle. <i>Energy Conversion and Management</i> , 2021 , 237, 114139	10.6	3
1050	Development of an integrated system with desalination and heat storage options. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101177	4.7	2
1049	An integrated renewable energy based plant with energy storage for a sustainable community. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101217	4.7	4
1048	Development and analysis of a new renewable energy-based industrial wastewater treatment system. <i>Journal of Environmental Management</i> , 2021 , 290, 112564	7.9	1
1047	A comprehensive review on hydrogen production from coal gasification: Challenges and Opportunities. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 25385-25412	6.7	29
1046	Hydrogen farm concept: A Perspective for Turkey. <i>International Journal of Energy Research</i> , 2021 , 45, 18309	4.5	2
1045	Exergoenvironmental analysis of the integrated copper-chlorine cycle for hydrogen production. <i>Energy</i> , 2021 , 226, 120426	7.9	9
1044	Investigation of Hydrogen and Methane Production from Flue Gas Released from the Steel Industry. <i>Energy & Fuels</i> , 2021 , 35, 12718-12724	4.1	0
1043	Development and assessment of a cleaner locomotive powering system with alternative fuels. <i>Fuel</i> , 2021 , 296, 120529	7.1	6
1042	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
1041	Exergoeconomic analysis of hydrogen production using a standalone high-temperature electrolyzer. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 13899-13907	6.7	5
1040	An integrated system for ammonia production from renewable hydrogen: A case study. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5918-5925	6.7	23
1039	A solar and wind driven energy system for hydrogen and urea production with CO2 capturing. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 4749-4760	6.7	21
1038	Development of a combined flash and binary geothermal system integrated with hydrogen production for blending into natural gas in daily applications. <i>Energy Conversion and Management</i> , 2021 , 227, 113501	10.6	3
1037	Development and performance assessment power generating systems using clean hydrogen. <i>Energy</i> , 2021 , 215, 119100	7.9	10

1036	Comparative assessment of renewable energy-based hydrogen production methods. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 135, 110192	16.2	48
1035	Performance improvement study of an integrated photovoltaic system for offshore power production. <i>International Journal of Energy Research</i> , 2021 , 45, 772-785	4.5	2
1034	Development and optimization of a novel solid oxide fuel cell-engine powering system for cleaner locomotives. <i>Applied Thermal Engineering</i> , 2021 , 183, 116150	5.8	11
1033	A new approach in treating industrial hazardous wastes for energy generation and thermochemical hydrogen production. <i>Journal of Cleaner Production</i> , 2021 , 290, 125303	10.3	5
1032	A perspective on sustainable energy research efforts in Canada. <i>International Journal of Energy Research</i> , 2021 , 45, 1161-1169	4.5	3
1031	A perspective on the use of ammonia as a clean fuel: Challenges and solutions. <i>International Journal of Energy Research</i> , 2021 , 45, 4827-4834	4.5	19
1030	Concentrated solar driven thermochemical hydrogen production plant with thermal energy storage and geothermal systems. <i>Energy</i> , 2021 , 219, 119554	7.9	17
1029	Development of a hythane based cogeneration system integrated with gasification and landfill subsystems. <i>Energy</i> , 2021 , 215, 119109	7.9	5
1028	Exergy analyses of hydrogen production systems 2021 , 459-478		
1027	Development and assessment of a biomass-based cogeneration system with desalination. <i>Applied Thermal Engineering</i> , 2021 , 185, 116432	5.8	8
1026	An integrated system for clean hydrogen production from municipal solid wastes. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 6251-6261	6.7	9
1025	Development of a new solar photoelectrochemical reactor design for more efficient hydrogen production. <i>Energy Conversion and Management</i> , 2021 , 228, 113714	10.6	5
1024	A journey of wastewater to clean hydrogen: A perspective. <i>International Journal of Energy Research</i> , 2021 , 45, 6475-6482	4.5	
1023	Assessing the potential of thermo-chemical water splitting cycles: A bridge towards clean and sustainable hydrogen generation. <i>Fuel</i> , 2021 , 286, 119325	7.1	13
1022	Advanced geothermal energy systems 2021 , 219-364		0
1021	A comparative review on clean hydrogen production from wastewaters. <i>Journal of Environmental Management</i> , 2021 , 279, 111793	7.9	24
1020	Enhancement of solar energy use by an integrated system for five useful outputs: System assessment. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 43, 100952	4.7	4
1019	A novel biomass gasification based cascaded hydrogen and ammonia synthesis system using Stoichiometric and Gibbs reactors. <i>Biomass and Bioenergy</i> , 2021 , 145, 105929	5.3	6

1018	Development of Oshawa hydrogen hub in Canada: A case study. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 23997-24010	6.7	7
1017	Investigation of a solar hydrogen generating system design for green applications. <i>Applied Thermal Engineering</i> , 2021 , 193, 117008	5.8	4
1016	Development and analysis of an integrated solar energy system for smart cities. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 46, 101170	4.7	3
1015	A review on the importance of operating conditions and process parameters in sonic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 28418-28434	6.7	2
1014	Development of a sustainable community with an integrated renewable and waste to energy system for multiple useful outputs. <i>Journal of Cleaner Production</i> , 2021 , 312, 127704	10.3	1
1013	Design and analysis of nuclear and solar-based energy, food, fuel, and water production system for an indigenous community. <i>Journal of Cleaner Production</i> , 2021 , 314, 127890	10.3	3
1012	Development and assessment of a novel geothermal power-based multigenerational system with hydrogen and ammonia production options. <i>Energy Conversion and Management</i> , 2021 , 243, 114365	10.6	6
1011	A hybrid compressed natural gas-pneumatic system as a powering option for buses: A comparative assessment. <i>Energy</i> , 2021 , 230, 120865	7.9	4
1010	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	6.7	2
1009	Progress in green ammonia production as potential carbon-free fuel. <i>Fuel</i> , 2021 , 299, 120845	7.1	28
1008	A comprehensive review on power-to-gas with hydrogen options for cleaner applications. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 31511-31522	6.7	22
1007	Thermal Management with Phase Change Materials 2021 , 485-519		
1006	Development and assessment of a solar driven trigeneration system with storage for electricity, ammonia and fresh water production. <i>Energy Conversion and Management</i> , 2021 , 245, 114585	10.6	1
1005	An updated overview of Canada's hydrogen related research and development activities. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 34515-34525	6.7	1
1004	Sustainable utilization of agricultural bio-waste for multigeneration of electricity, heating, cooling and freshwater. <i>Journal of Cleaner Production</i> , 2021 , 319, 128540	10.3	3
1003	A novel multigeneration ammonia-based carbon capturing system powered by a geothermal power plant for cleaner applications. <i>Journal of Cleaner Production</i> , 2021 , 321, 129017	10.3	3
1002	Exergetic, exergoeconomic and exergoenvironmental analyses of a hybrid combined locomotive powering system for rail transportation. <i>Energy Conversion and Management</i> , 2021 , 245, 114619	10.6	3
1001	Development of an HTR-Type nuclear and bifacial PV solar based integrated system to meet the needs of energy, food and fuel for sustainable indigenous cities. <i>Sustainable Cities and Society</i> , 2021 , 74, 103198	10.1	7

1000	Techno-economic analysis of green hydrogen ferries with a floating photovoltaic based marine fueling station. <i>Energy Conversion and Management</i> , 2021 , 247, 114760	10.6	4
999	A comparative life cycle assessment of clean aviation fuels. <i>Energy</i> , 2021 , 234, 121126	7.9	4
998	Experimental investigation of a unique solar photoelectrochemical hydrogen generating reactor for clean fuels. <i>Fuel</i> , 2021 , 306, 121749	7.1	1
997	A Review of Unique Aluminum-Water Based Hydrogen Production Options. <i>Energy & Fuels</i> , 2021 , 35, 1024-1040	4.1	6
996	Development of a sustainable energy system utilizing a new molten-salt based hybrid thermal energy storage and electrochemical energy conversion technique. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 42, 100866	4.7	4
995	An ocean thermal energy conversion based system for district cooling, ammonia and power production. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 15878-15887	6.7	8
994	A novel method for a new electromagnetic-induced ammonia synthesizer. <i>International Journal of Energy Research</i> , 2020 , 44, 7183-7197	4.5	2
993	Analysis and assessment of a geothermal based cogeneration system and lithium extraction. <i>International Journal of Energy Research</i> , 2020 , 44, 9586-9597	4.5	3
992	A novel ammonia molten alkaline fuel cell based integrated powering system for clean rail transportation. <i>Energy</i> , 2020 , 201, 117620	7.9	10
991	Evaluation of hydrogen production with iron-based chemical looping fed by different biomass. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 34557-34565	6.7	9
990	A multi-objective optimization of the integrated copper-chlorine cycle for hydrogen production. <i>Computers and Chemical Engineering</i> , 2020 , 140, 106889	4	7
989	A comprehensive study on using new hydrogen-natural gas and ammonia-natural gas blends for better performance. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 81, 103362	4.6	5
988	Energy and exergy analyses of an integrated renewable energy system for hydrogen production. <i>Energy</i> , 2020 , 204, 117945	7.9	22
987	An investigation of ultrasonic based hydrogen production. <i>Energy</i> , 2020 , 205, 118006	7.9	8
986	Second law analysis of CuCl ₂ hydrolysis reaction in the Cu-Cl thermochemical cycle of hydrogen production. <i>Energy</i> , 2020 , 202, 117721	7.9	7
985	Energy and exergy analyses of hydrogen production process with aluminum and water chemical reaction. <i>Energy</i> , 2020 , 205, 117978	7.9	5
984	Design and simulation of a new cascaded ammonia synthesis system driven by renewables. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 40, 100725	4.7	6
983	Thermal management of a new integrated copper-chlorine cycle for hydrogen production. <i>Energy Conversion and Management</i> , 2020 , 212, 112629	10.6	13

982	Design and transient analyses of a new renewable energy system for multigeneration of power, heat, hydrogen and ammonia. <i>Journal of Cleaner Production</i> , 2020 , 270, 122502	10.3	7
981	Development of a solar farm powered quadric system with thermal energy storage option. <i>Energy Conversion and Management</i> , 2020 , 217, 112981	10.6	2
980	Investigation of an integrated powering system for clean locomotives with solid-oxide fuel cell with heat recovery organic Rankine cycle. <i>Energy Conversion and Management</i> , 2020 , 219, 112857	10.6	7
979	A new performance assessment methodology of bifacial photovoltaic solar panels for offshore applications. <i>Energy Conversion and Management</i> , 2020 , 220, 112972	10.6	16
978	A new solar and geothermal based integrated ammonia fuel cell system for multigeneration. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 34637-34653	6.7	28
977	Analysis of the electricity demand trends amidst the COVID-19 coronavirus pandemic. <i>Energy Research and Social Science</i> , 2020 , 68, 101682	7.7	119
976	Experimental investigation of a sustainable integrated ammonia synthesis and fuel cell system. <i>Fuel</i> , 2020 , 278, 118300	7.1	2
975	Performance investigation of a combined biomass gasifier-SOFC plant for compressed hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 34679-34694	6.7	13
974	Assessment of Renewable Energy-Driven and Flywheel Integrated Fast-Charging Station for Electric Buses: A Case Study. <i>Journal of Energy Storage</i> , 2020 , 30, 101576	7.8	12
973	A new integrated solar energy based system for residential houses. <i>Energy Conversion and Management</i> , 2020 , 221, 113112	10.6	6
972	Electrochemical Transport in CuCl/HCl(aq) Electrolyzer Cells and Stack of the CuCl Cycle. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 044515	3.9	7
971	Dynamic analysis of a new solar-wind energy- based cascaded system for hydrogen to ammonia. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 18895-18911	6.7	9
970	A study on the FeCl thermochemical water splitting cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 18867-18875	6.7	14
969	Development and evaluation of an integrated solid oxide fuel cell system for medium airplanes. <i>International Journal of Energy Research</i> , 2020 , 44, 9674-9685	4.5	5
968	Development and evaluation of a solar-based integrated ammonia synthesis and fuel cell system. <i>Journal of Cleaner Production</i> , 2020 , 256, 120393	10.3	10
967	Analysis and assessment of the integrated generation IV gas-cooled fast nuclear reactor and copper-chlorine cycle for hydrogen and electricity production. <i>Energy Conversion and Management</i> , 2020 , 205, 112387	10.6	15
966	A new multigenerational solar-energy based system for electricity, heat and hydrogen production. <i>Applied Thermal Engineering</i> , 2020 , 171, 115085	5.8	15
965	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

964	A new solar energy system for ammonia production and utilization in fuel cells. <i>Energy Conversion and Management</i> , 2020 , 208, 112590	10.6	16
963	An efficient waste management system with municipal solid waste incineration plant 2020 , 10, 855-864		7
962	Development of a new ammonia-based energy storage option for grid balancing. <i>Energy Storage</i> , 2020 , 2, e145	2.8	4
961	Development and performance investigation of a biomass gasification based integrated system with thermoelectric generators. <i>Journal of Cleaner Production</i> , 2020 , 256, 120625	10.3	30
960	Experimental investigation and optimization of integrated photovoltaic and photoelectrochemical hydrogen generation. <i>Energy Conversion and Management</i> , 2020 , 207, 112541	10.6	10
959	Evaluation of a wind energy based system for co-generation of hydrogen and methanol production. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 15869-15877	6.7	21
958	Experimental investigation of improvement capability of ammonia fuel cell performance with addition of hydrogen. <i>Energy Conversion and Management</i> , 2020 , 205, 112372	10.6	10
957	A novel renewable energy-based integrated system with thermoelectric generators for a net-zero energy house. <i>International Journal of Energy Research</i> , 2020 , 44, 3458-3477	4.5	9
956	A novel integrated solid-oxide fuel cell powering system for clean rail applications. <i>Energy Conversion and Management</i> , 2020 , 205, 112327	10.6	16
955	Investigation of a new energy system for clean methanol production. <i>International Journal of Energy Research</i> , 2020 , 45, 17109	4.5	2
954	A new energy system based on biomass gasification for hydrogen and power production. <i>Energy Reports</i> , 2020 , 6, 771-781	4.6	23
953	Life cycle assessment of integrated thermal energy storage systems in buildings: A case study in Canada. <i>Energy and Buildings</i> , 2020 , 217, 109940	7	17
952	Experimental investigation of a compressed air vehicle prototype with phase change materials for heat recovery. <i>Energy Storage</i> , 2020 , 2, e159	2.8	5
951	Development of an integrated energy system for smart communities. <i>Energy</i> , 2020 , 202, 117683	7.9	10
950	Experimental study of hydrogen production process with aluminum and water. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 14232-14244	6.7	15
949	Development of a Geothermal-Based Integrated Plant for Generating Clean Hydrogen and Other Useful Commodities. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020 , 142,	2.6	12
948	A Comparative Life Cycle Assessment on Nuclear-Based Clean Ammonia Synthesis Methods. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020 , 142,	2.6	2
947	Experimental investigation of an integrated solar powered clean hydrogen to ammonia synthesis system. <i>Applied Thermal Engineering</i> , 2020 , 176, 115443	5.8	7

946	Energy and exergy analyses of a new integrated thermochemical copper-chlorine cycle for hydrogen production. <i>Energy</i> , 2020 , 205, 117985	7.9	13
945	Natural gas as a transitional solution for railway powering systems: Environmental and economic assessment of a fuel cell based powering system. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 80, 103347	4.6	6
944	Investigation of acoustic and geometric effects on the sonoreactor performance. <i>Ultrasonics Sonochemistry</i> , 2020 , 68, 105174	8.9	14
943	Evaluation of hydrogen production via electrolysis with ion exchange membranes. <i>Energy</i> , 2020 , 190, 116420	7.9	21
942	Thermodynamic analysis of a hybrid energy system using geothermal and solar energy sources with thermal storage in a residential building. <i>Energy Storage</i> , 2020 , 2, e103	2.8	7
941	Potential use of thermal energy storage for shifting cooling and heating load to off-peak load: A case study for residential building in Canada. <i>Energy Storage</i> , 2020 , 2, e125	2.8	3
940	A photoelectrochemical system for hydrogen and chlorine production from industrial waste acids. <i>Science of the Total Environment</i> , 2020 , 712, 136358	10.2	14
939	A review and comparative evaluation of thermochemical water splitting cycles for hydrogen production. <i>Energy Conversion and Management</i> , 2020 , 205, 112182	10.6	149
938	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	4.5	12
937	Energy and exergy analyses of a novel ammonia combined power plant operating with gas turbine and solid oxide fuel cell systems. <i>Energy</i> , 2020 , 194, 116750	7.9	34
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