

Marc A Rosen

List of Publications by Year in descending order

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477
papers

23,590
citations

7069

78
h-index

13727

129
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504
all docs

504
docs citations

504
times ranked

14318
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon dioxide emissions prediction of five Middle Eastern countries using artificial neural networks. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 9513-9525.	1.2	30
2	Assessment of a Geothermal Combined System with an Organic Rankine Cycle and Multi-effect Distillation Desalination. <i>Earth Systems and Environment</i> , 2022, 6, 15-27.	3.0	12
3	Multi-Objective Optimization of a Geothermal Steam Turbine Combined With Reverse Osmosis and Multi-Effect Desalination for Sustainable Freshwater Production. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2022, 144, .	1.4	8
4	Effective Thermal Conductivity and Borehole Thermal Resistance in Selected Borehole Heat Exchangers for the Same Geology. <i>Energies</i> , 2022, 15, 1152.	1.6	2
5	Comparison of Thermodynamic Performances in Three Geothermal Power Plants Using Flash Steam. , 2022, 1, .		4
6	A conceptual review of sustainable electrical power generation from biogas. <i>Energy Science and Engineering</i> , 2022, 10, 630-655.	1.9	24
7	Transition of heavy-duty trucks from diesel to hydrogen fuel cells: Opportunities, challenges, and recommendations. <i>International Journal of Energy Research</i> , 2022, 46, 11718-11729.	2.2	13
8	Analysis of variance and multi-objective optimization of efficiencies and emission in air/steam rigid and flexible polyurethane foam wastes gasification. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 176, 108961.	1.8	10
9	Thermal Investigation of a Turbocharger Using IR Thermography. <i>Clean Technologies</i> , 2022, 4, 329-344.	1.9	1
10	Waste Management and the Circular Economy. <i>CSR, Sustainability, Ethics & Governance</i> , 2022, , 119-131.	0.2	1
11	The Circular Economy and Energy. <i>CSR, Sustainability, Ethics & Governance</i> , 2022, , 133-149.	0.2	3
12	A comprehensive approach for tri-objective optimization of a novel advanced energy system with gas turbine prime mover, ejector cooling system and multi-effect desalination. <i>Energy</i> , 2022, 254, 124352.	4.5	8
13	Integration of Supercritical CO2 Recompression Brayton Cycle with Organic Rankine/Flash and Kalina Cycles: Thermoeconomic Comparison. <i>Sustainability</i> , 2022, 14, 8769.	1.6	4
14	A novel system for electricity and synthetic natural gas production from captured CO2: Techno-economic evaluation and multi-objective optimization. <i>Journal of CO2 Utilization</i> , 2022, 63, 102116.	3.3	18
15	Energy modelling and analysis of a multi-generation renewable energy system for dairy farm applications. <i>Biofuels</i> , 2021, 12, 273-283.	1.4	5
16	An innovative approach to enhance sustainability of a district cooling system by adjusting cold thermal storage and chiller operation. <i>Energy</i> , 2021, 214, 118949.	4.5	16
17	Performance improvement study of an integrated photovoltaic system for offshore power production. <i>International Journal of Energy Research</i> , 2021, 45, 772-785.	2.2	7
18	Economic and environmental assessment using emergy of a geothermal power plant. <i>Energy Conversion and Management</i> , 2021, 228, 113666.	4.4	47

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19	Biomass gasification using various gasification agents: Optimum feedstock selection, detailed numerical analyses and tri-objective grey wolf optimization. Journal of Cleaner Production, 2021, 284, 124718.	4.6	71
20	Exergy and energy analyses. , 2021, , 23-35.		10
21	Chemical exergy. , 2021, , 37-60.		8
22	Exergy analyses of refrigeration and heat pump systems. , 2021, , 125-141.		3
23	Exergy analyses of thermal energy storage systems. , 2021, , 167-210.		5
24	Exergy analyses of renewable energy systems. , 2021, , 241-324.		3
25	Exergy analyses of steam power plants. , 2021, , 325-354.		1
26	Exergy analyses of fuel cell systems. , 2021, , 479-514.		2
27	Exergoeconomic analyses of thermal systems. , 2021, , 527-563.		2
28	Sectoral exergy analysis. , 2021, , 565-599.		0
29	Exergetic life cycle assessment. , 2021, , 601-629.		2
30	Exergy and industrial ecology. , 2021, , 631-639.		0
31	Exergy and multiobjective optimization. , 2021, , 641-665.		2
32	Renewable energy and energy sustainability. , 2021, , 17-31.		3
33	Exergy analysis. , 2021, , 43-60.		7
34	Heat pumps and absorption chillers. , 2021, , 163-180.		5
35	Exergy analyses of cogeneration and district energy systems. , 2021, , 355-381.		1
36	Dynamic Advanced Exergetic, Exergoeconomic, and Environmental Analyses of a Hybrid Solar City Gate Station. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	1.4	10

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37	Exergy Analysis as a Tool for Addressing Climate Change. <i>European Journal of Sustainable Development Research</i> , 2021, 5, em0148.	0.4	11
38	Thermoeconomic analysis and multi-objective optimization of a solid oxide fuel cell plant coupled with methane tri-reforming: Effects of thermochemical recuperation. <i>International Journal of Energy Research</i> , 2021, 45, 10332-10354.	2.2	8
39	Expectations and Interests of University Students in COVID-19 Times about Sustainable Development Goals: Evidence from Colombia, Ecuador, Mexico, and Peru. <i>Sustainability</i> , 2021, 13, 3306.	1.6	59
40	Modeling of vertical ground heat exchangers. <i>International Journal of Green Energy</i> , 2021, 18, 755-774.	2.1	6
41	Assessment of a novel phase change material-based thermal caisson for geothermal heating and cooling. <i>Energy Conversion and Management</i> , 2021, 234, 113928.	4.4	27
42	Energy Sustainability with a Focus on Environmental Perspectives. <i>Earth Systems and Environment</i> , 2021, 5, 217-230.	3.0	22
43	Energy and exergy assessment with updated Reistad estimates: A case study in the transportation sector of Bangladesh. <i>Energy Science and Engineering</i> , 2021, 9, 1349-1358.	1.9	13
44	A Novel Electricity and Freshwater Production System: Performance Analysis from Reliability and Exergoeconomic Viewpoints with Multi-Objective Optimization. <i>Sustainability</i> , 2021, 13, 6448.	1.6	35
45	On the use of dynamic programming for optimal energy management of grid-connected reversible solid oxide cell-based renewable microgrids. <i>Energy</i> , 2021, 225, 120304.	4.5	37
46	Factors Affecting Green Entrepreneurship Intentions in Business University Students in COVID-19 Pandemic Times: Case of Ecuador. <i>Sustainability</i> , 2021, 13, 6447.	1.6	80
47	Advanced Evaluation of a Biomass Externally Fired Hydrogen Production Combined Cycle. <i>Chemical Engineering and Technology</i> , 2021, 44, 1585-1595.	0.9	0
48	Influence of Technostress on Academic Performance of University Medicine Students in Peru during the COVID-19 Pandemic. <i>Sustainability</i> , 2021, 13, 8949.	1.6	60
49	Polygeneration systems based on high temperature fuel cell (MCFC and SOFC) technology: System design, fuel types, modeling and analysis approaches. <i>Energy</i> , 2021, 228, 120613.	4.5	52
50	Factors for Implementation of Circular Economy in Firms in COVID-19 Pandemic Times: The Case of Peru. <i>Environments - MDPI</i> , 2021, 8, 95.	1.5	19
51	Energy, exergy, exergoenvironmental, and exergoeconomic (4E) analyses of a gas boosting station. <i>Energy Science and Engineering</i> , 2021, 9, 2044-2063.	1.9	3
52	Optimal equipment arrangement of a total site for cogeneration of thermal and electrical energy by using exergoeconomic approach. <i>Energy Reports</i> , 2021, 7, 5330-5343.	2.5	4
53	Assessment of a biomass-based polygeneration plant for combined power, heat, bioethanol and biogas. <i>Applied Thermal Engineering</i> , 2021, 198, 117425.	3.0	19
54	Integrated solar thermal systems in smart optimized zero energy buildings: Energy, environment and economic assessments. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101580.	1.7	13

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55	Experimental and numerical investigation on the heat transfer of an automotive engine's turbocharger. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 2124-2135.	1.1	4
56	Geothermal power plants. , 2021, , 147-162.		2
57	Syngas-fed membrane-based and steam and water-fed electrolysis-based hydrogen production systems: Renewability, sustainability, environmental and economic analyses and optimization. Journal of Cleaner Production, 2021, 326, 129424.	4.6	33
58	Coastal Cities Seen from Loyalty and Their Tourist Motivations: A Study in Lima, Peru. Sustainability, 2021, 13, 11575.	1.6	23
59	A comprehensive comparative investigation on solar heating and cooling technologies from a thermo-economic viewpoint: A dynamic simulation. Energy Science and Engineering, 2021, 9, 724-742.	1.9	4
60	Energy, Exergy, Exergoeconomic and Exergoenvironmental Impact Analyses and Optimization of Various Geothermal Power Cycle Configurations. Entropy, 2021, 23, 1483.	1.1	8
61	Economic and Environmental Analyses of Multi-Generation Renewable Energy System for Dairy Farms. European Journal of Sustainable Development Research, 2021, 6, em0174.	0.4	1
62	A thermal performance management system for lithium-ion battery packs. Applied Thermal Engineering, 2020, 165, 114378.	3.0	50
63	Exergy analysis of a pistachio roasting system. Drying Technology, 2020, 38, 1565-1583.	1.7	17
64	A review of energy storage types, applications and recent developments. Journal of Energy Storage, 2020, 27, 101047.	3.9	941
65	Production of hydrogen-rich syngas from novel processes for gasification of petroleum cokes and coals. International Journal of Hydrogen Energy, 2020, 45, 11577-11592.	3.8	50
66	An Exploratory Study of a New Psychological Instrument for Evaluating Sustainability: The Sustainable Development Goals Psychological Inventory. Sustainability, 2020, 12, 7617.	1.6	23
67	Performance Analysis of a New Electricity and Freshwater Production System Based on an Integrated Gasification Combined Cycle and Multi-Effect Desalination. Sustainability, 2020, 12, 7996.	1.6	104
68	Thermodynamic Optimization of a Geothermal Power Plant with a Genetic Algorithm in Two Stages. Processes, 2020, 8, 1277.	1.3	49
69	Investigating azeotropic separation of hydrochloric acid for optimizing the copper-chlorine thermochemical cycle. International Journal of Hydrogen Energy, 2020, 45, 26080-26089.	3.8	8
70	Comparative economic and life cycle assessment of solar-based hydrogen production for oil and gas industries. Energy, 2020, 208, 118347.	4.5	98
71	Investigation of elastocaloric cooling option in a solar energy-driven system. International Journal of Refrigeration, 2020, 120, 340-356.	1.8	6
72	Energy, exergy, economic, exergoeconomic, and exergoenvironmental (5E) analyses of a triple cycle with carbon capture. Journal of CO2 Utilization, 2020, 41, 101258.	3.3	53

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73	Advances in integration of energy, water and environment systems towards climate neutrality for sustainable development. <i>Energy Conversion and Management</i> , 2020, 225, 113410.	4.4	58
74	An outlook on endangering grid security in India due to implementation challenges of low voltage ride through protection in wind turbines. <i>International Transactions on Electrical Energy Systems</i> , 2020, 30, e12672.	1.2	2
75	Comparison of gas turbine inlet air cooling systems for several climates in Iran using energy, exergy, economic, and environmental (4E) analyses. <i>Energy Conversion and Management</i> , 2020, 216, 112944.	4.4	42
76	Influence of Rotation Speed and Air Pressure on the Down the Hole Drilling Velocity for Borehole Heat Exchanger Installation. <i>Energies</i> , 2020, 13, 2716.	1.6	5
77	Sustainable Emergency Management Based on Intelligent Information Processing. <i>Sustainability</i> , 2020, 12, 1081.	1.6	26
78	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.	4.4	33
79	Investigation of an integrated system combining an Organic Rankine Cycle and absorption chiller driven by geothermal energy: Energy, exergy, and economic analyses and optimization. <i>Journal of Cleaner Production</i> , 2020, 258, 120780.	4.6	111
80	Energy and Cost Analysis and Optimization of a Geothermal-Based Cogeneration Cycle Using an Ammonia-Water Solution: Thermodynamic and Thermo-economic Viewpoints. <i>Sustainability</i> , 2020, 12, 484.	1.6	23
81	Performance assessment and optimization of a biomass-based solid oxide fuel cell and micro gas turbine system integrated with an organic Rankine cycle. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6262-6277.	3.8	96
82	Energy, exergy and sustainability analyses of Bangladesh's power generation sector. <i>Energy Reports</i> , 2020, 6, 868-878.	2.5	37
83	Technoeconomic and environmental optimization of a solar tower integrated energy system for freshwater production. <i>Journal of Cleaner Production</i> , 2020, 270, 121760.	4.6	38
84	A New Regulation for Supporting a Circular Economy in the Plastic Industry: The Case of Peru (Short) <i>Tj ETQq0 0 0 rBT /Overlock 10 Tf</i>	0.2	33
85	A Review of Renewable Energy Options, Applications, Facilitating Technologies and Recent Developments. <i>European Journal of Sustainable Development Research</i> , 2020, 4, em0138.	0.4	9
86	Sustainability: Concepts, Definitions, and Applications. , 2020, , 15-26.		1
87	Comparative study of solar-powered underfloor heating system performance in distinctive climates. <i>Renewable Energy</i> , 2019, 130, 524-535.	4.3	25
88	Exergy and Exergoeconomic Analyses of a Combined Power Producing System including a Proton Exchange Membrane Fuel Cell and an Organic Rankine Cycle. <i>Sustainability</i> , 2019, 11, 3264.	1.6	26
89	Kinetic and electrochemical analyses of a CuCl/HCl electrolyzer. <i>International Journal of Energy Research</i> , 2019, 43, 6890.	2.2	8
90	Comparative assessment of new liquid-to-vapor type battery cooling systems. <i>Energy</i> , 2019, 188, 116010.	4.5	39

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91	Development and analysis of a new tube based cylindrical battery cooling system with liquid to vapor phase change. International Journal of Refrigeration, 2019, 108, 163-173.	1.8	16
92	Energy, exergy, economic and advanced and extended exergy analyses of a wind turbine. Energy Conversion and Management, 2019, 183, 369-381.	4.4	95
93	Evaluation of temperature profiling quality in determining energy efficiencies of borehole heat exchangers. Geothermics, 2019, 78, 129-137.	1.5	20
94	Combustion, performance, and emissions of a compression ignition engine using Pongamia biodiesel and bioethanol. Environmental Science and Pollution Research, 2019, 26, 8069-8079.	2.7	11
95	Thermodynamic and Exergoeconomic Analyses of a Novel Combined Cycle Comprised of Vapor-Compression Refrigeration and Organic Rankine Cycles. Sustainability, 2019, 11, 3374.	1.6	31
96	Conventional and enhanced thermodynamic and exergoeconomic analyses of a photovoltaic combined cycle with biomass post firing and hydrogen production. Applied Thermal Engineering, 2019, 160, 113996.	3.0	25
97	Transient thermodynamic analysis of a novel integrated ammonia production, storage and hydrogen production system. International Journal of Hydrogen Energy, 2019, 44, 18214-18224.	3.8	21
98	Improved application of a solar chimney concept in a two-story building: An enhanced geometry through a numerical approach. Renewable Energy, 2019, 143, 569-585.	4.3	30
99	Electric Vehicle Battery Lifetime Extension through an Intelligent Double-Layer Control Scheme. Energies, 2019, 12, 1525.	1.6	3
100	Towards a better understanding of energy systems using emergy-based exergoeconomic and environmental analysis. International Journal of Exergy, 2019, 28, 209.	0.2	5
101	A New Method Based on Thermal Response Tests for Determining Effective Thermal Conductivity and Borehole Resistivity for Borehole Heat Exchangers. Energies, 2019, 12, 1072.	1.6	11
102	Techno-economic assessment of hybrid renewable resources for a residential building in tehran. Environmental Progress and Sustainable Energy, 2019, 38, 13209.	1.3	23
103	Techno-economic feasibility of building attached photovoltaic systems for the various climatic conditions of Iran. Environmental Progress and Sustainable Energy, 2019, 38, e13239.	1.3	13
104	Performance of ground heat exchangers: A comprehensive review of recent advances. Energy, 2019, 178, 207-233.	4.5	128
105	A novel approach for performance improvement of liquid to vapor based battery cooling systems. Energy Conversion and Management, 2019, 187, 191-204.	4.4	70
106	Techno-economic feasibility analysis of stand-alone hybrid wind/photovoltaic/diesel/battery system for the electrification of remote rural areas: Case study Persian Gulf Coast-Iran. Environmental Progress and Sustainable Energy, 2019, 38, 13172.	1.3	28
107	Accounting for Individual Differences in Connectedness to Nature: Personality and Gender Differences. Sustainability, 2019, 11, 1693.	1.6	32
108	Exergy-Based Sustainability Analysis of Biodiesel Production and Combustion Processes. Biofuel and Biorefinery Technologies, 2019, , 193-217.	0.1	5

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109	Modified exergy and modified exergoeconomic analyses of a solar based biomass co-fired cycle with hydrogen production. <i>Energy</i> , 2019, 167, 715-729.	4.5	37
110	Biomass Briquettes as an Alternative Fuel: A Comprehensive Review. <i>Energy Technology</i> , 2019, 7, 1801011.	1.8	60
111	Performance analysis of a photovoltaic/wind/diesel hybrid power generation system for domestic utilization in winnipeg, manitoba, canada. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 548-562.	1.3	28
112	Do Universities Contribute to Sustainable Development?. <i>European Journal of Sustainable Development Research</i> , 2019, 4, .	0.4	5
113	Experimental study of effect of anolyte concentration and electrical potential on electrolyzer performance in thermochemical hydrogen production using the Cu-Cl cycle. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4160-4166.	3.8	3
114	Investigation of new mechanical heat pump systems for heat upgrading applications. <i>International Journal of Energy Research</i> , 2018, 42, 3078-3090.	2.2	12
115	Heat transfer modeling of a novel battery thermal management system. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018, 73, 277-290.	1.2	22
116	Performance and emission characteristics of a bio-lubricated two-stroke gasoline engine. <i>Environmental Science and Pollution Research</i> , 2018, 25, 17789-17796.	2.7	3
117	Constituent solubility and dissolution in a CuCl-HCl-H ₂ O ternary system. <i>Chemical Engineering Science</i> , 2018, 184, 209-215.	1.9	5
118	Model development and analysis of a novel high-temperature electrolyser for gas phase electrolysis of hydrogen chloride for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9112-9118.	3.8	11
119	Empirical analysis of the effect of descent flight path angle on primary gaseous emissions of commercial aircraft. <i>Environmental Pollution</i> , 2018, 236, 226-235.	3.7	3
120	Advanced exergy and advanced exergoeconomic analyses of biomass and natural gas fired combined cycles with hydrogen production. <i>Applied Thermal Engineering</i> , 2018, 134, 1-11.	3.0	49
121	Exergoeconomic analysis of natural gas fired and biomass post-fired combined cycle with hydrogen injection into the combustion chamber. <i>Journal of Cleaner Production</i> , 2018, 180, 450-465.	4.6	38
122	Analysis and assessment of a hydrogen production plant consisting of coal gasification, thermochemical water decomposition and hydrogen compression systems. <i>Energy Conversion and Management</i> , 2018, 157, 600-618.	4.4	47
123	Integrated approach for sustainable development of energy, water and environment systems. <i>Energy Conversion and Management</i> , 2018, 159, 398-412.	4.4	43
124	Co-production of Hydrogen and Copper from Copper Waste Using a Thermochemical Cu-Cl Cycle. <i>Energy & Fuels</i> , 2018, 32, 2137-2144.	2.5	12
125	Long-term study of vertical ground heat exchangers with varying seasonal heat fluxes. <i>Geothermics</i> , 2018, 75, 15-25.	1.5	10
126	Exergoeconomic analysis as a new concept for developing thermodynamically, economically, and environmentally sound energy conversion systems. <i>Journal of Cleaner Production</i> , 2018, 187, 190-204.	4.6	88

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127	Electricity price forecasting using neural networks with an improved iterative training algorithm. International Journal of Ambient Energy, 2018, 39, 147-158.	1.4	33
128	Thermodynamic analysis of a novel combined cooling, heating and power system driven by solar energy. Applied Thermal Engineering, 2018, 129, 1219-1229.	3.0	79
129	A novel phase change based cooling system for prismatic lithium ion batteries. International Journal of Refrigeration, 2018, 86, 203-217.	1.8	56
130	Exergoeconomic and thermodynamic analyses of an externally fired combined cycle with hydrogen production and injection to the combustion chamber. International Journal of Hydrogen Energy, 2018, 43, 781-792.	3.8	20
131	Consolidating exergoeconomic and exergoenvironmental analyses using the emergy concept for better understanding energy conversion systems. Journal of Cleaner Production, 2018, 172, 696-708.	4.6	84
132	Assessment and analysis of hydrogen and electricity production from a Generation IV lead-cooled nuclear reactor integrated with a copper-chlorine thermochemical cycle. International Journal of Energy Research, 2018, 42, 91-103.	2.2	22
133	Heat Transfer and Thermodynamic Analyses of a Novel Solid-Gas Thermochemical Strontium Chloride-Ammonia Thermal Energy Storage System. Journal of Heat Transfer, 2018, 140, .	1.2	15
134	Exergy approach for advancing sustainability of a biomass boiler. International Journal of Exergy, 2018, 27, 62.	0.2	6
135	A Comprehensive Review of Backfill Materials and Their Effects on Ground Heat Exchanger Performance. Sustainability, 2018, 10, 4486.	1.6	43
136	Numerical Investigation of a Multi-Functional Solar Passive System Located in Shiraz, Iran: Natural Ventilation and Heating. , 2018, , .		0
137	Thermodynamic viability of a new three step high temperature Cu-Cl cycle for hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 18783-18789.	3.8	35
138	A review of novel thermal management systems for batteries. International Journal of Energy Research, 2018, 42, 3182-3205.	2.2	138
139	Transient Energy and Exergy Analyses of a Multistage Hydrogen Compression and Storage System. Chemical Engineering and Technology, 2018, 41, 1594.	0.9	6
140	Cashew Nut Shell Liquid as a Fuel for Compression Ignition Engines: A Comprehensive Review. Energy & Fuels, 2018, 32, 7237-7244.	2.5	17
141	3.16 Thermal Energy Production. , 2018, , 673-706.		7
142	Heat and mass transfer modeling and assessment of a new battery cooling system. International Journal of Heat and Mass Transfer, 2018, 126, 765-778.	2.5	78
143	Development and evaluation of a new ammonia boiling based battery thermal management system. Electrochimica Acta, 2018, 280, 340-352.	2.6	45
144	3.8 Ocean (Marine) Energy Production. , 2018, , 335-379.		3

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145	Ten Years of Sustainability (2009 to 2018): A Bibliometric Overview. Sustainability, 2018, 10, 1655.	1.6	101
146	A novel state of charge and capacity estimation technique for electric vehicles connected to a smart grid based on inverse theory and a metaheuristic algorithm. Energy, 2018, 155, 1047-1058.	4.5	24
147	Influence of Selected Gasification Parameters on Syngas Composition From Biomass Gasification. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	1.4	37
148	Performance assessment of a new hydrogen cooled prismatic battery pack arrangement for hydrogen hybrid electric vehicles. Energy Conversion and Management, 2018, 173, 303-319.	4.4	38
149	First and Second Law Analyses of Trans-critical N2O Refrigeration Cycle Using an Ejector. Sustainability, 2018, 10, 1177.	1.6	7
150	Multi-objective optimization of an integrated gasification combined cycle for hydrogen and electricity production. Computers and Chemical Engineering, 2018, 117, 256-267.	2.0	16
151	5.5 Exergy Management. , 2018, , 166-201.		5
152	3.10 Electrochemical Energy Production. , 2018, , 416-469.		1
153	3.11 Chemical Energy Production. , 2018, , 470-520.		1
154	Opening the Black Box of Psychological Processes in the Science of Sustainable Development: A New Frontier. European Journal of Sustainable Development Research, 2018, 2, .	0.4	118
155	Exergy Assessment of a Solar-Assisted District Energy System. Open Fuels and Energy Science Journal, 2018, 11, 30-43.	0.2	3
156	A comparative exergoeconomic evaluation of biomass post-firing and co-firing combined power plants. Biofuels, 2017, 8, 1-15.	1.4	16
157	A holistic approach to sustainable development of energy, water and environment systems. Journal of Cleaner Production, 2017, 155, 1-11.	4.6	57
158	Thermoeconomic analysis of a solar-biomass integrated multigeneration system for a community. Applied Thermal Engineering, 2017, 120, 645-653.	3.0	128
159	Performance analysis of a supercritical water-cooled nuclear reactor integrated with a combined cycle, a Cu-Cl thermochemical cycle and a hydrogen compression system. Applied Energy, 2017, 195, 646-658.	5.1	36
160	Efficiency analysis of borehole heat exchangers as grout varies via thermal response test simulations. Geothermics, 2017, 69, 132-138.	1.5	29
161	Techno-economic assessment of a solar-geothermal multigeneration system for buildings. International Journal of Hydrogen Energy, 2017, 42, 21454-21462.	3.8	48
162	Development and assessment of a new solar heliostat field based system using a thermochemical water decomposition cycle integrated with hydrogen compression. Solar Energy, 2017, 151, 186-201.	2.9	29

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163	A comparative thermoeconomic evaluation of three biomass and biomass-natural gas fired combined cycles using organic Rankine cycles. <i>Journal of Cleaner Production</i> , 2017, 161, 524-544.	4.6	64
164	An optimal versatile control approach for plug-in electric vehicles to integrate renewable energy sources and smart grids. <i>Energy</i> , 2017, 134, 1053-1067.	4.5	69
165	A review of hydrogen production using coal, biomass and other solid fuels. <i>Biofuels</i> , 2017, 8, 725-745.	1.4	30
166	Development and assessment of a novel integrated nuclear plant for electricity and hydrogen production. <i>Energy Conversion and Management</i> , 2017, 134, 221-234.	4.4	61
167	Analysis and assessment of novel liquid air energy storage system with district heating and cooling capabilities. <i>Energy</i> , 2017, 141, 792-802.	4.5	49
168	Recent Advances in Hydrogen Production from Biomass. <i>Biofuels</i> , 2017, 8, 633-633.	1.4	3
169	Development of an integrated system for electricity and hydrogen production from coal and water utilizing a novel chemical hydrogen storage technology. <i>Fuel Processing Technology</i> , 2017, 167, 608-621.	3.7	16
170	Assessment of the Thermal Energy Storage in Friedrichshafen District Energy Systems. <i>Energy Procedia</i> , 2017, 116, 91-105.	1.8	11
171	Novel thermal management system using boiling cooling for high-powered lithium-ion battery packs for hybrid electric vehicles. <i>Journal of Power Sources</i> , 2017, 363, 291-303.	4.0	159
172	Thermodynamic analysis of a wall mounted gas boiler with an organic Rankine cycle and hydrogen production unit. <i>Energy and Environment</i> , 2017, 28, 725-743.	2.7	2
173	Analysis and feasibility of an evaporative cooling system with diffusion-based sessile droplet evaporation for cooling microprocessors. <i>Applied Thermal Engineering</i> , 2017, 125, 104-110.	3.0	68
174	Optimization of seasonal storage for community-level energy systems: status and needs. <i>Energy, Ecology and Environment</i> , 2017, 2, 169-181.	1.9	12
175	Electrochemical modeling and performance evaluation of a new ammonia-based battery thermal management system for electric and hybrid electric vehicles. <i>Electrochimica Acta</i> , 2017, 247, 171-182.	2.6	82
176	Hydrogen production from biomass via an iron oxide thermochemical cycle. <i>Biofuels</i> , 2017, 8, 709-716.	1.4	1
177	Thermodynamic analysis and the design of sensible thermal energy storages. <i>International Journal of Energy Research</i> , 2017, 41, 39-48.	2.2	9
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