

Neven DuiÄ

List of Publications by Year in descending order

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Version: 2024-02-01

238
papers

11,498
citations

28242

55
h-index

45285

90
g-index

270
all docs

270
docs citations

270
times ranked

8656
citing authors

#	ARTICLE	IF	CITATIONS
1	Household profile identification for behavioral demand response: A semi-supervised learning approach using smart meter data. <i>Energy</i> , 2022, 238, 121728.	4.5	20
2	An integrated Geographical Information System (GIS) approach for assessing seasonal variation and spatial distribution of biogas potential from industrial residues and by-products. <i>Energy</i> , 2022, 239, 122016.	4.5	11
3	A satellite image data based ultra-short-term solar PV power forecasting method considering cloud information from neighboring plant. <i>Energy</i> , 2022, 238, 121946.	4.5	59
4	Thinking, doing, organising: Prefiguring just and sustainable energy systems via collective prosumer ecosystems in Europe. <i>Energy Research and Social Science</i> , 2022, 86, 102425.	3.0	12
5	Sustainable development in period of climate crisis. <i>Journal of Environmental Management</i> , 2022, 303, 114271.	3.8	12
6	Renewable and sustainable energy challenges to face for the achievement of Sustainable Development Goals. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112071.	8.2	64
7	Recent advances in methods, policies and technologies at sustainable energy systems development. <i>Energy</i> , 2022, 245, 123276.	4.5	46
8	Special issue section of clean technology and environmental policy dedicated to SDEWES 2020 conferences. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 455-455.	2.1	2
9	Technical and Economic Assessment of Supermarket and Power Substation Waste Heat Integration into Existing District Heating Systems. <i>Energies</i> , 2022, 15, 1666.	1.6	11
10	Economic viability of flexibility options for smart energy systems with high penetration of renewable energy. <i>Energy</i> , 2022, 252, 123739.	4.5	14
11	Using neural network modelling for estimation and forecasting of transport sector energy demand in developing countries. <i>Energy Conversion and Management</i> , 2022, 258, 115556.	4.4	10
12	Bidding strategies for excess heat producers participating in a local wholesale heat market. <i>Energy Reports</i> , 2022, 8, 3692-3703.	2.5	1
13	Recent Advances in Low-Carbon and Sustainable, Efficient Technology: Strategies and Applications. <i>Energies</i> , 2022, 15, 2954.	1.6	11
14	Numerical modeling of laminar flame speed and autoignition delay using general fuel-independent function. <i>Fuel</i> , 2022, 323, 124432.	3.4	4
15	Wind process pattern forecasting based ultra-short-term wind speed hybrid prediction. <i>Energy</i> , 2022, 255, 124509.	4.5	9
16	The potential of power-to-heat demand response to improve the flexibility of the energy system: An empirical review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 138, 110489.	8.2	47
17	A review on energy storage and demand side management solutions in smart energy islands. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110183.	8.2	147
18	Co-pyrolysis and synergistic effect analysis of biomass sawdust and polystyrene mixtures for production of high-quality bio-oils. <i>Chemical Engineering Research and Design</i> , 2021, 145, 1-11.	2.7	55

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19	Optimal scheduling of an EV aggregator for demand response considering triple level benefits of three-parties. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106447.	3.3	52
20	Proposal and techno-economic analysis of a novel system for waste heat recovery and water saving in coal-fired power plants: A case study. <i>Journal of Cleaner Production</i> , 2021, 281, 124372.	4.6	23
21	Perspectives on energy efficiency and smart energy systems from the 5th SESAAU2019 conference. <i>Energy</i> , 2021, 216, 119260.	4.5	9
22	Green development challenges within the environmental management framework. <i>Journal of Environmental Management</i> , 2021, 277, 111477.	3.8	13
23	A preface to the special issue of optimization and engineering dedicated to SDEWES 2019 conference. <i>Optimization and Engineering</i> , 2021, 22, 1-7.	1.3	4
24	A zero-emission sustainable landfill-gas-to-wire oxyfuel process: Bioenergy with carbon capture and sequestration. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 138, 110686.	8.2	16
25	A novel spatial-temporal space heating and hot water demand method for expansion analysis of district heating systems. <i>Energy Conversion and Management</i> , 2021, 234, 113986.	4.4	17
26	Sustainable Development of Energy, Water and Environment Systems (SDEWES). <i>Sustainability</i> , 2021, 13, 4939.	1.6	3
27	Moving the system boundaries in decarbonization of large islands. <i>Energy Conversion and Management</i> , 2021, 234, 113956.	4.4	21
28	Evaluation of district heating with regard to individual systems – Importance of carbon and cost allocation in cogeneration units. <i>Energy</i> , 2021, 221, 119905.	4.5	14
29	Utilizing excess heat through a wholesale day ahead heat market – The DARKO model. <i>Energy Conversion and Management</i> , 2021, 235, 114025.	4.4	7
30	A novel spatial based approach for estimation of space heating demand saving potential and CO2 emissions reduction in urban areas. <i>Energy</i> , 2021, 225, 120251.	4.5	6
31	A preface to the special issue of optimization and engineering dedicated to SDEWES 2020 conferences. <i>Optimization and Engineering</i> , 2021, 22, 1681-1692.	1.3	5
32	Flexibility index and decreasing the costs in energy systems with high share of renewable energy. <i>Energy Conversion and Management</i> , 2021, 240, 114258.	4.4	36
33	Synergy between feedstock gate fee and power-to-gas: An energy and economic analysis of renewable methane production in a biogas plant. <i>Renewable Energy</i> , 2021, 173, 12-23.	4.3	22
34	Geospatial Analysis and Environmental Impact Assessment of a Holistic and Interdisciplinary Approach to the Biogas Sector. <i>Energies</i> , 2021, 14, 5374.	1.6	6
35	Different investment dynamics in energy transition towards a 100% renewable energy system. <i>Energy</i> , 2021, 237, 121526.	4.5	48
36	Thermogravimetric and kinetic analysis of biomass and polyurethane foam mixtures Co-Pyrolysis. <i>Energy</i> , 2021, 237, 121592.	4.5	25

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37	Sustainable transition pathways with high penetration of variable renewable energy in the coal-based energy systems. <i>Applied Energy</i> , 2021, 304, 117865.	5.1	17
38	Sustainable development using renewable energy technology. <i>Renewable Energy</i> , 2020, 146, 2430-2437.	4.3	351
39	Editorial: Sustainable development of energy, Water and Environment Systems. <i>Energy</i> , 2020, 190, 116432.	4.5	17
40	Analysis of displacing natural gas boiler units in district heating systems by using multi-objective optimization and different taxing approaches. <i>Energy Conversion and Management</i> , 2020, 205, 112411.	4.4	29
41	Environmental problems arising from the sustainable development of energy, water and environment system. <i>Journal of Environmental Management</i> , 2020, 259, 109666.	3.8	23
42	Increasing the integration of variable renewable energy in coal-based energy system using power to heat technologies: The case of Kosovo. <i>Energy</i> , 2020, 212, 118762.	4.5	34
43	Day-ahead optimal bidding and scheduling strategies for DER aggregator considering responsive uncertainty under real-time pricing. <i>Energy</i> , 2020, 213, 118765.	4.5	94
44	Numerical assessment of radiative heat transfer impact on pollutant formation processes in a compression ignition engine. <i>Journal of Cleaner Production</i> , 2020, 275, 123087.	4.6	12
45	Impact of wind penetration in electricity markets on optimal power-to-heat capacities in a local district heating system. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110095.	8.2	33
46	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
47	Consequences of different strategic decisions of market coupled zones on the development of energy systems based on coal and hydropower. <i>Energy</i> , 2020, 210, 118522.	4.5	8
48	Recent Advances in Technology, Strategy and Application of Sustainable Energy Systems. <i>Energies</i> , 2020, 13, 5229.	1.6	27
49	A Geographical Information System (GIS) based approach for assessing the spatial distribution and seasonal variation of biogas production potential from agricultural residues and municipal biowaste. <i>Applied Energy</i> , 2020, 267, 115010.	5.1	40
50	A review on alternative fuels in future energy system. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 128, 109927.	8.2	207
51	The effect of different parameters of the excess heat source on the levelized cost of excess heat. <i>Energy</i> , 2020, 201, 117686.	4.5	13
52	Opportunities and challenges: Experimental and kinetic analysis of anaerobic co-digestion of food waste and rendering industry streams for biogas production. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 130, 109951.	8.2	47
53	Heat demand mapping and district heating assessment in data-poor areas. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 109987.	8.2	17
54	Challenges and opportunities of zero emission shipping in smart islands: A study of zero emission ferry lines. <i>ETransportation</i> , 2020, 3, 100048.	6.8	47

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55	Bottom-up and top-down heat demand mapping methods for small municipalities, case Glogoc. Energy, 2020, 199, 117429.	4.5	18
56	Beyond energy crops and subsidised electricity – A study on sustainable biogas production and utilisation in advanced energy markets. Energy, 2020, 201, 117651.	4.5	25
57	Applying the Dispa-SET Model to the Western Balkans Power System. Journal of Sustainable Development of Energy, Water and Environment Systems, 2020, 8, 184-212.	0.9	14
58	Assessment of radiative heat transfer impact on a temperature distribution inside a real industrial swirled furnace. Thermal Science, 2020, 24, 3663-3672.	0.5	6
59	Excess heat utilization combined with thermal storage integration in district heating systems using renewables. Thermal Science, 2020, 24, 3673-3684.	0.5	6
60	Advanced visions and problem-solving strategies across energy water and environment systems. Thermal Science, 2020, 24, 3453-3464.	0.5	3
61	A kinetic study of roadside grass pyrolysis and digestate from anaerobic mono-digestion. Bioresource Technology, 2019, 292, 121935.	4.8	21
62	Capacity and output power estimation approach of individual behind-the-meter distributed photovoltaic system for demand response baseline estimation. Applied Energy, 2019, 253, 113595.	5.1	156
63	Sustainable energy technologies and environmental impacts of energy systems. Applied Energy, 2019, 256, 113919.	5.1	19
64	Flexible Carbon Capture and Utilization technologies in future energy systems and the utilization pathways of captured CO ₂ . Renewable and Sustainable Energy Reviews, 2019, 114, 109338.	8.2	136
65	Toward an Efficient and Sustainable Use of Energy in Industries and Cities. Energies, 2019, 12, 3150.	1.6	17
66	Impact factors analysis on the probability characterized effects of time of use demand response tariffs using association rule mining method. Energy Conversion and Management, 2019, 197, 111891.	4.4	54
67	Image phase shift invariance based multi-transform-fusion method for cloud motion displacement calculation using sky images. Energy Conversion and Management, 2019, 197, 111853.	4.4	40
68	Sustainable and cost-efficient energy supply and utilisation through innovative concepts and technologies at regional, urban and single-user scales. Energy, 2019, 182, 254-268.	4.5	40
69	Economical, environmental and exergetic multi-objective optimization of district heating systems on hourly level for a whole year. Applied Energy, 2019, 251, 113394.	5.1	49
70	Technical potential and geographic distribution of agricultural residues, co-products and by-products in the European Union. Science of the Total Environment, 2019, 686, 568-579.	3.9	60
71	Increasing the integration of solar photovoltaics in energy mix on the road to low emissions energy system – Economic and environmental implications. Renewable Energy, 2019, 143, 1310-1317.	4.3	53
72	Experimental analysis of waste polyurethane from household appliances and its utilization possibilities. Journal of Environmental Management, 2019, 243, 105-115.	3.8	22

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73	A techno-economic analysis of thermochemical pathways for corncob-to-energy: Fast pyrolysis to bio-oil, gasification to methanol and combustion to electricity. <i>Fuel Processing Technology</i> , 2019, 193, 102-113.	3.7	63
74	Life cycle to Pinch Analysis and 100% renewable energy systems in a circular economy at sustainable development of energy, <i>Water and Environment Systems 2017. Renewable and Sustainable Energy Reviews</i> , 2019, 108, 572-577.	8.2	27
75	Experimental and numerical investigation of injection timing and rail pressure impact on combustion characteristics of a diesel engine. <i>Energy Conversion and Management</i> , 2019, 185, 730-739.	4.4	33
76	Using high-temperature seawater heat pump for pool heating and domestic hot water preparation in a special hospital. , 2019, , .		0
77	Generative adversarial networks and convolutional neural networks based weather classification model for day ahead short-term photovoltaic power forecasting. <i>Energy Conversion and Management</i> , 2019, 181, 443-462.	4.4	220
78	Green biomass to biogas – A study on anaerobic digestion of residue grass. <i>Journal of Cleaner Production</i> , 2019, 213, 700-709.	4.6	84
79	Troubleshooting the problems arising from sustainable development. <i>Journal of Environmental Management</i> , 2019, 232, 52-57.	3.8	22
80	Approaches for retrofitting heat exchanger networks within processes and Total Sites. <i>Journal of Cleaner Production</i> , 2019, 211, 884-894.	4.6	51
81	The dawn of urban energy planning – Synergies between energy and urban planning for São Paulo (Brazil) megacity. <i>Journal of Cleaner Production</i> , 2019, 215, 458-479.	4.6	36
82	Integration of energy, water and environmental systems for a sustainable development. <i>Journal of Cleaner Production</i> , 2019, 215, 1424-1436.	4.6	122
83	Integration of transport and energy sectors in island communities with 100% intermittent renewable energy sources. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 99, 109-124.	8.2	136
84	Multi-objective optimization of district heating and cooling systems for a one-year time horizon. <i>Energy</i> , 2019, 169, 319-328.	4.5	68
85	Thermogravimetric Analysis Investigation of Polyurethane Plastic Thermal Properties Under Different Atmospheric Conditions. <i>Journal of Sustainable Development of Energy, Water and Environment Systems</i> , 2019, 7, 355-367.	0.9	19
86	Transition towards a sustainable heating and cooling sector - case study of southeast European countries. <i>Thermal Science</i> , 2019, 23, 3293-3306.	0.5	8
87	Numerical modelling of emissions of nitrogen oxides in solid fuel combustion. <i>Journal of Environmental Management</i> , 2018, 215, 177-184.	3.8	27
88	Integrated approach for sustainable development of energy, water and environment systems. <i>Energy Conversion and Management</i> , 2018, 159, 398-412.	4.4	43
89	A kinetic study on the catalysis of KCl, K ₂ SO ₄ , and K ₂ CO ₃ during oxy-biomass combustion. <i>Journal of Environmental Management</i> , 2018, 218, 50-58.	3.8	39
90	Soot formation during polyurethane (PU) plastic pyrolysis: The effects of temperature and volatile residence time. <i>Energy Conversion and Management</i> , 2018, 164, 353-362.	4.4	35

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91	Development of wet phase transition agglomerator for multi-pollutant synergistic removal. Applied Thermal Engineering, 2018, 130, 1208-1214.	3.0	20
92	Sustainable development of energy, water and environment systems 2016. Renewable and Sustainable Energy Reviews, 2018, 82, 1685-1690.	8.2	31
93	Recent Advances in the Analysis of Sustainable Energy Systems. Energies, 2018, 11, 2520.	1.6	16
94	Future district heating systems and technologies: On the role of smart energy systems and 4th generation district heating. Energy, 2018, 165, 614-619.	4.5	147
95	Evaluation of Excess Heat Utilization in District Heating Systems by Implementing Levelized Cost of Excess Heat. Energies, 2018, 11, 575.	1.6	25
96	The status of 4th generation district heating: Research and results. Energy, 2018, 164, 147-159.	4.5	395
97	System integration is a necessity for sustainable development. Journal of Cleaner Production, 2018, 195, 122-132.	4.6	26
98	Association rule mining based quantitative analysis approach of household characteristics impacts on residential electricity consumption patterns. Energy Conversion and Management, 2018, 171, 839-854.	4.4	135
99	Integration of renewable energy and demand response technologies in interconnected energy systems. Energy, 2018, 161, 447-455.	4.5	112
100	Low NO combustion and SCR flow field optimization in a low volatile coal fired boiler. Journal of Environmental Management, 2018, 220, 30-35.	3.8	40
101	Modelling study on the effect of ash fusion characteristics on the biomass slagging behavior. Thermal Science, 2018, 22, 2113-2121.	0.5	4
102	A holistic approach to sustainable development of energy, water and environment systems. Journal of Cleaner Production, 2017, 155, 1-11.	4.6	57
103	Effect of potassium-doping and oxygen concentration on soot oxidation in O ₂ /CO ₂ atmosphere: A kinetics study by thermogravimetric analysis. Energy Conversion and Management, 2017, 149, 686-697.	4.4	68
104	Improving the removal of particles and trace elements from coal-fired power plants by combining a wet phase transition agglomerator with wet electrostatic precipitator. Journal of Cleaner Production, 2017, 161, 1459-1465.	4.6	68
105	Waste to energy plant operation under the influence of market and legislation conditioned changes. Energy, 2017, 137, 1119-1129.	4.5	41
106	Numerical analysis of ammonia homogenization for selective catalytic reduction application. Journal of Environmental Management, 2017, 203, 1047-1061.	3.8	23
107	Pilot-scale study on water and latent heat recovery from flue gas using fluorine plastic heat exchangers. Journal of Cleaner Production, 2017, 161, 1416-1422.	4.6	67
108	Modelling pollutant emissions in diesel engines, influence of biofuel on pollutant formation. Journal of Environmental Management, 2017, 203, 1038-1046.	3.8	43

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109	Coupling of cleaner production with a day-ahead electricity market: A hypothetical case study. <i>Journal of Cleaner Production</i> , 2017, 143, 1011-1020.	4.6	15
110	Multi-objective optimization of a simplified factory model acting as a prosumer on the electricity market. <i>Journal of Cleaner Production</i> , 2017, 167, 1438-1449.	4.6	34
111	Environmental management as a pillar for sustainable development. <i>Journal of Environmental Management</i> , 2017, 203, 867-871.	3.8	34
112	Potential of district cooling in hot and humid climates. <i>Applied Energy</i> , 2017, 208, 49-61.	5.1	50
113	Building smart energy systems on Croatian islands by increasing integration of renewable energy sources and electric vehicles. , 2017, , .		5
114	Hourly optimization and sizing of district heating systems considering building refurbishment – Case study for the city of Zagreb. <i>Energy</i> , 2017, 137, 1264-1276.	4.5	57
115	Smart municipal energy grid within electricity market. <i>Energy</i> , 2017, 137, 1277-1285.	4.5	24
116	Study on extracting available salt from straw/woody biomass ashes and predicting its slagging/fouling tendency. <i>Journal of Cleaner Production</i> , 2017, 155, 164-171.	4.6	54
117	Modelling of spray and combustion processes by using the Eulerian multiphase approach and detailed chemical kinetics. <i>Fuel</i> , 2017, 191, 25-35.	3.4	34
118	A state-of-the-art review and feasibility analysis of high altitude wind power in Northern Ireland. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 899-911.	8.2	39
119	Research on a cloud image forecasting approach for solar power forecasting. <i>Energy Procedia</i> , 2017, 142, 362-368.	1.8	17
120	Mathematical modelling of surface tension effects in liquid wall films. <i>International Journal of Innovation and Sustainable Development</i> , 2017, 11, 85.	0.3	1
121	Detailed Modelling of the Deep Decarbonisation Scenarios with Demand Response Technologies in the Heating and Cooling Sector: A Case Study for Italy. <i>Energies</i> , 2017, 10, 1535.	1.6	30
122	Heat demand mapping and district heating grid expansion analysis: Case study of Velika Gorica. <i>E3S Web of Conferences</i> , 2017, 19, 01021.	0.2	3
123	Mathematical modelling of surface tension effects in liquid wall films. <i>International Journal of Innovation and Sustainable Development</i> , 2017, 11, 85.	0.3	0
124	Waste heat utilisation of Croatian cement industry accounting Total Site demands. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 2223-2228.	0.3	3
125	Impact of high penetration of wind and solar PV generation on the country power system load: The case study of Croatia. <i>Applied Energy</i> , 2016, 184, 1470-1482.	5.1	49
126	Role of District Heating in Systems with a High Share of Renewables: Case Study for the City of Osijek. <i>Energy Procedia</i> , 2016, 95, 337-343.	1.8	21

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127	Long-term energy planning of Croatian power system using multi-objective optimization with focus on renewable energy and integration of electric vehicles. <i>Applied Energy</i> , 2016, 184, 1493-1507.	5.1	90
128	Appropriate integration of geothermal energy sources by Pinch approach: Case study of Croatia. <i>Applied Energy</i> , 2016, 184, 1343-1349.	5.1	31
129	Numerical simulation of urea based selective non-catalytic reduction deNOx process for industrial applications. <i>Energy Conversion and Management</i> , 2016, 125, 59-69.	4.4	47
130	Modelling spray and combustion processes in diesel engine by using the coupled Eulerian-Eulerian and Eulerian-Lagrangian method. <i>Energy Conversion and Management</i> , 2016, 125, 15-25.	4.4	33
131	Effects of surface deposition and droplet injection on film cooling. <i>Energy Conversion and Management</i> , 2016, 125, 51-58.	4.4	23
132	Synergetic effect of sewage sludge and biomass co-pyrolysis: A combined study in thermogravimetric analyzer and a fixed bed reactor. <i>Energy Conversion and Management</i> , 2016, 118, 399-405.	4.4	138
133	Thermogravimetric study on the Co-combustion characteristics of oily sludge with plant biomass. <i>Thermochimica Acta</i> , 2016, 633, 69-76.	1.2	100
134	Reducing greenhouse gasses emissions by fostering the deployment of alternative raw materials and energy sources in the cleaner cement manufacturing process. <i>Journal of Cleaner Production</i> , 2016, 136, 119-132.	4.6	257
135	Economic feasibility of CHP facilities fueled by biomass from unused agriculture land: Case of Croatia. <i>Energy Conversion and Management</i> , 2016, 125, 222-229.	4.4	23
136	SDEWES 2014 - Sustainable Development of Energy, Water and Environment Systems. <i>Journal of Cleaner Production</i> , 2016, 130, 1-11.	4.6	33
137	Shaping sustainable development to support human welfare. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 1633-1639.	2.1	13
138	Two methods for decreasing the flexibility gap in national energy systems. <i>Energy</i> , 2016, 115, 1701-1709.	4.5	18
139	Sustainable development of energy, water and environment systems for future energy technologies and concepts. <i>Energy Conversion and Management</i> , 2016, 125, 1-14.	4.4	46
140	Special issue section of clean technology and environmental policy dedicated to SDEWES 2015. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 1631-1632.	2.1	0
141	Sustainable Development of Energy, Water and Environment Systems. <i>Energy</i> , 2016, 115, 1503.	4.5	7
142	The improved heat integration of cement production under limited process conditions: A case study for Croatia. <i>Applied Thermal Engineering</i> , 2016, 105, 839-848.	3.0	16
143	Addressing the main challenges of energy security in the twenty-first century - Contributions of the conferences on Sustainable Development of Energy, Water and Environment Systems. <i>Energy</i> , 2016, 115, 1504-1512.	4.5	47
144	Optimization of a wind powered desalination and pumped hydro storage system. <i>Applied Energy</i> , 2016, 177, 487-499.	5.1	95

#	ARTICLE	IF	CITATIONS
145	Numerical evaluation of different pulverized coal and solid recovered fuel co-firing modes inside a large-scale cement calciner. <i>Applied Energy</i> , 2016, 184, 1292-1305.	5.1	34
146	Zero carbon energy system of South East Europe in 2050. <i>Applied Energy</i> , 2016, 184, 1517-1528.	5.1	156
147	Environmental assessment of different cement manufacturing processes based on Energy and Ecological Footprint analysis. <i>Journal of Cleaner Production</i> , 2016, 130, 213-221.	4.6	82
148	Modeling of optimal energy flows for systems with close integration of sea water desalination and renewable energy sources: Case study for Jordan. <i>Energy Conversion and Management</i> , 2016, 110, 249-259.	4.4	21
149	Towards post-2020 climate change regime: Analyses of various mitigation scenarios and contributions for Macedonia. <i>Energy</i> , 2016, 94, 124-137.	4.5	19
150	Possibility of Heat Pump Use in Hot Water Supply Systems. <i>Journal of Sustainable Development of Energy, Water and Environment Systems</i> , 2016, 4, 203-215.	0.9	10
151	Campus and community micro grids integration of building integrated photovoltaic renewable energy sources: Case study of Split 3 area, Croatia - part A. <i>Thermal Science</i> , 2016, 20, 1135-1145.	0.5	5
152	Evaluation of Solar Parabolic Trough Collector for the Application of Seawater Desalination. <i>International Review of Mechanical Engineering</i> , 2016, 10, 443.	0.1	0
153	The integration of renewable energy sources and electric vehicles into the power system of the Dubrovnik region. <i>Energy, Sustainability and Society</i> , 2015, 5, .	1.7	31
154	Integrated analysis of energy and water supply in islands. Case study of S. Vicente, Cape Verde. <i>Energy</i> , 2015, 92, 639-648.	4.5	48
155	The ash deposition mechanism in boilers burning Zhundong coal with high contents of sodium and calcium: A study from ash evaporating to condensing. <i>Applied Thermal Engineering</i> , 2015, 80, 150-159.	3.0	248
156	Energy efficiency evaluation of a hybrid energy system for building applications in a Mediterranean climate and its feasibility aspect. <i>Energy</i> , 2015, 90, 1171-1179.	4.5	33
157	Is the success of clean energy guaranteed?. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 2093-2100.	2.1	22
158	Numerical modelling of diesel spray using the Eulerian multiphase approach. <i>Energy Conversion and Management</i> , 2015, 104, 160-169.	4.4	49
159	A hybrid optimization model of biomass trigeneration system combined with pit thermal energy storage. <i>Energy Conversion and Management</i> , 2015, 104, 90-99.	4.4	52
160	Integration of renewables and reverse osmosis desalination â€œ Case study for the Jordanian energy system with a high share of wind and photovoltaics. <i>Energy</i> , 2015, 92, 270-278.	4.5	72
161	Agent based modelling and energy planning â€œ Utilization of MATSim for transport energy demand modelling. <i>Energy</i> , 2015, 92, 466-475.	4.5	67
162	Numerical modeling of urea water based selective catalytic reduction for mitigation of NOx from transport sector. <i>Journal of Cleaner Production</i> , 2015, 88, 280-288.	4.6	32

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163	Towards a more sustainable transport sector by numerically simulating fuel spray and pollutant formation in diesel engines. <i>Journal of Cleaner Production</i> , 2015, 88, 272-279.	4.6	57
164	Components and structures of the pillars of sustainability. <i>Journal of Cleaner Production</i> , 2015, 88, 1-12.	4.6	64
165	Improving the sustainability of cement production by using numerical simulation of limestone thermal degradation and pulverized coal combustion in a cement calciner. <i>Journal of Cleaner Production</i> , 2015, 88, 262-271.	4.6	38
166	Performance Analysis of a Hybrid District Heating System: a Case Study of a Small Town in Croatia. <i>Journal of Sustainable Development of Energy, Water and Environment Systems</i> , 2015, 3, 282-302.	0.9	27
167	A realistic EU vision of a lignite-based energy system in transition: Case study of Serbia. <i>Thermal Science</i> , 2015, 19, 371-382.	0.5	11
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