

Neven DuiÄ

List of Publications by Year in descending order

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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	The status of 4th generation district heating: Research and results. <i>Energy</i> , 2018, 164, 147-159.	4.5	395
2	Sustainable development using renewable energy technology. <i>Renewable Energy</i> , 2020, 146, 2430-2437.	4.3	351
3	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
4	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
5	A 100% renewable energy system in the year 2050: The case of Macedonia. <i>Energy</i> , 2012, 48, 80-87.	4.5	224
6	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
7	A review on alternative fuels in future energy system. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 128, 109927.	8.2	207
8	Increasing renewable energy sources in island energy supply: case study Porto Santo. <i>Renewable and Sustainable Energy Reviews</i> , 2004, 8, 383-399.	8.2	174
9	How to achieve a 100% RES electricity supply for Portugal?. <i>Applied Energy</i> , 2011, 88, 508-517.	5.1	162
10	Zero carbon energy system of South East Europe in 2050. <i>Applied Energy</i> , 2016, 184, 1517-1528.	5.1	156
11	Capacity and output power estimation approach of individual behind-the-meter distributed photovoltaic system for demand response baseline estimation. <i>Applied Energy</i> , 2019, 253, 113595.	5.1	156
12	Planning for a 100% independent energy system based on smart energy storage for integration of renewables and CO2 emissions reduction. <i>Applied Thermal Engineering</i> , 2011, 31, 2073-2083.	3.0	155
13	Renewable energy solutions for islands. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 1888-1902.	8.2	151
14	Future district heating systems and technologies: On the role of smart energy systems and 4th generation district heating. <i>Energy</i> , 2018, 165, 614-619.	4.5	147
15	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
16	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
17	Flexible Carbon Capture and Utilization technologies in future energy systems and the utilization pathways of captured CO2. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 114, 109338.	8.2	136
18	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

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19	Association rule mining based quantitative analysis approach of household characteristics impacts on residential electricity consumption patterns. <i>Energy Conversion and Management</i> , 2018, 171, 839-854.	4.4	135
20	Integration of energy, water and environmental systems for a sustainable development. <i>Journal of Cleaner Production</i> , 2019, 215, 1424-1436.	4.6	122
21	Two energy system analysis models: A comparison of methodologies and results. <i>Energy</i> , 2007, 32, 948-954.	4.5	121
22	Renewlands methodology for sustainable energy and resource planning for islands. <i>Renewable and Sustainable Energy Reviews</i> , 2008, 12, 1032-1062.	8.2	113
23	Integration of renewable energy and demand response technologies in interconnected energy systems. <i>Energy</i> , 2018, 161, 447-455.	4.5	112
24	The feasibility of synthetic fuels in renewable energy systems. <i>Energy</i> , 2013, 57, 76-84.	4.5	105
25	Increasing the penetration of renewable energy resources in S. Vicente, Cape Verde. <i>Applied Energy</i> , 2011, 88, 466-472.	5.1	101
26	Thermogravimetric study on the Co-combustion characteristics of oily sludge with plant biomass. <i>Thermochimica Acta</i> , 2016, 633, 69-76.	1.2	100
27	Optimization of a wind powered desalination and pumped hydro storage system. <i>Applied Energy</i> , 2016, 177, 487-499.	5.1	95
28	Reducing the CO2 emissions in Croatian cement industry. <i>Applied Energy</i> , 2013, 101, 41-48.	5.1	94
29	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
30	H2RES, Energy planning tool for island energy systems – The case of the Island of Mljet. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7015-7026.	3.8	93
31	The looming revolution: How photovoltaics will change electricity markets in Europe fundamentally. <i>Energy</i> , 2013, 57, 38-43.	4.5	90
32	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
33	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
34	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
35	Hydrogen as an energy vector in the islands' energy supply. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1091-1103.	3.8	76
36	Integration of renewables and reverse osmosis desalination – 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

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37	Effect of potassium-doping and oxygen concentration on soot oxidation in O ₂ /CO ₂ atmosphere: A kinetics study by thermogravimetric analysis. <i>Energy Conversion and Management</i> , 2017, 149, 686-697.	4.4	68
38	Improving the removal of particles and trace elements from coal-fired power plants by combining a wet phase transition agglomerator with wet electrostatic precipitator. <i>Journal of Cleaner Production</i> , 2017, 161, 1459-1465.	4.6	68
39	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
40	Agent based modelling and energy planning – Utilization of MATSim for transport energy demand modelling. <i>Energy</i> , 2015, 92, 466-475.	4.5	67
41	Pilot-scale study on water and latent heat recovery from flue gas using fluorine plastic heat exchangers. <i>Journal of Cleaner Production</i> , 2017, 161, 1416-1422.	4.6	67
42	Components and structures of the pillars of sustainability. <i>Journal of Cleaner Production</i> , 2015, 88, 1-12.	4.6	64
43	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
44	Geographic distribution of economic potential of agricultural and forest biomass residual for energy use: Case study Croatia. <i>Energy</i> , 2011, 36, 2017-2028.	4.5	63
45	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
46	The influence of reverse osmosis desalination in a combination with pump storage on the penetration of wind and PV energy: A case study for Jordan. <i>Energy</i> , 2014, 76, 73-81.	4.5	62
47	Technical potential and geographic distribution of agricultural residues, co-products and by-products in the European Union. <i>Science of the Total Environment</i> , 2019, 686, 568-579.	3.9	60
48	Feed-in tariffs for promotion of energy storage technologies. <i>Energy Policy</i> , 2011, 39, 1410-1425.	4.2	59
49	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
50	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
51	Mapping the potential for decentralized energy generation based on renewable energy sources in the Republic of Croatia. <i>Energy</i> , 2007, 32, 1731-1744.	4.5	57
52	Numerical modelling of calcination reaction mechanism for cement production. <i>Chemical Engineering Science</i> , 2012, 69, 607-615.	1.9	57
53	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
54	A holistic approach to sustainable development of energy, water and environment systems. <i>Journal of Cleaner Production</i> , 2017, 155, 1-11.	4.6	57

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55	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
56	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
57	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
58	Impact factors analysis on the probability characterized effects of time of use demand response tariffs using association rule mining method. <i>Energy Conversion and Management</i> , 2019, 197, 111891.	4.4	54
59	Harvesting high altitude wind energy for power production: The concept based on Magnus's™ effect. <i>Applied Energy</i> , 2013, 101, 151-160.	5.1	53
60	Increasing the integration of solar photovoltaics in energy mix on the road to low emissions energy system – Economic and environmental implications. <i>Renewable Energy</i> , 2019, 143, 1310-1317.	4.3	53
61	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
62	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
63	The application of CFD modelling to support the reduction of CO ₂ emissions in cement industry. <i>Energy</i> , 2012, 45, 464-473.	4.5	51
64	Approaches for retrofitting heat exchanger networks within processes and Total Sites. <i>Journal of Cleaner Production</i> , 2019, 211, 884-894.	4.6	51
65	Potential of district cooling in hot and humid climates. <i>Applied Energy</i> , 2017, 208, 49-61.	5.1	50
66	Sustainable development of energy, water and environment systems. <i>Applied Energy</i> , 2013, 101, 3-5.	5.1	49
67	Numerical modelling of diesel spray using the Eulerian multiphase approach. <i>Energy Conversion and Management</i> , 2015, 104, 160-169.	4.4	49
68	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
69	Economical, environmental and exergetic multi-objective optimization of district heating systems on hourly level for a whole year. <i>Applied Energy</i> , 2019, 251, 113394.	5.1	49
70	A hybrid approach for the efficient synthesis of renewable energy systems. <i>Applied Energy</i> , 2014, 135, 625-633.	5.1	48
71	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
72	Different investment dynamics in energy transition towards a 100% renewable energy system. <i>Energy</i> , 2021, 237, 121526.	4.5	48

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73	Potential of Kyoto Protocol Clean Development Mechanism in transfer of clean energy technologies to Small Island Developing States: case study of Cape Verde. <i>Renewable and Sustainable Energy Reviews</i> , 2003, 7, 83-98.	8.2	47
74	Sustainability assessment of cogeneration sector development in Croatia. <i>Energy</i> , 2006, 31, 2276-2284.	4.5	47
75	Increasing wind power penetration into the existing Serbian energy system. <i>Energy</i> , 2013, 57, 30-37.	4.5	47
76	Numerical simulation of urea based selective non-catalytic reduction deNO _x process for industrial applications. <i>Energy Conversion and Management</i> , 2016, 125, 59-69.	4.4	47
77	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
78	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
79	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
80	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
81	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
82	Recent advances in methods, policies and technologies at sustainable energy systems development. <i>Energy</i> , 2022, 245, 123276.	4.5	46
83	Numerical study of co-firing pulverized coal and biomass inside a cement calciner. <i>Waste Management and Research</i> , 2014, 32, 661-669.	2.2	45
84	Modelling pollutant emissions in diesel engines, influence of biofuel on pollutant formation. <i>Journal of Environmental Management</i> , 2017, 203, 1038-1046.	3.8	43
85	Integrated approach for sustainable development of energy, water and environment systems. <i>Energy Conversion and Management</i> , 2018, 159, 398-412.	4.4	43
86	Waste to energy plant operation under the influence of market and legislation conditioned changes. <i>Energy</i> , 2017, 137, 1119-1129.	4.5	41
87	Low NO combustion and SCR flow field optimization in a low volatile coal fired boiler. <i>Journal of Environmental Management</i> , 2018, 220, 30-35.	3.8	40
88	Image phase shift invariance based multi-transform-fusion method for cloud motion displacement calculation using sky images. <i>Energy Conversion and Management</i> , 2019, 197, 111853.	4.4	40
89	Sustainable and cost-efficient energy supply and utilisation through innovative concepts and technologies at regional, urban and single-user scales. <i>Energy</i> , 2019, 182, 254-268.	4.5	40
90	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

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91	Sustainable development of energy systems. <i>Energy Conversion and Management</i> , 2014, 87, 1057-1062.	4.4	39
92	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
93	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
94	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
95	Energy scenarios for Malta. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 4235-4246.	3.8	37
96	The role of cool thermal energy storage (CTES) in the integration of renewable energy sources (RES) and peak load reduction. <i>Energy</i> , 2012, 48, 108-117.	4.5	37
97	Wind energy integration into future energy systems based on conventional plants – The case study of Croatia. <i>Applied Energy</i> , 2014, 135, 643-655.	5.1	36
98	Large eddy simulation of a two-phase reacting swirl flow inside a cement cyclone. <i>Energy</i> , 2014, 75, 89-96.	4.5	36
99	Assessing the impact of energy saving measures on the future energy demand and related GHG (greenhouse gas) emission reduction of Croatia. <i>Energy</i> , 2014, 76, 198-209.	4.5	36
100	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
101	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
102	Increasing the supply of renewable energy sources in island energy systems. <i>International Journal of Sustainable Energy</i> , 2003, 23, 177-186.	1.3	35
103	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
104	An analysis of the legal and market framework for the cogeneration sector in Croatia. <i>Energy</i> , 2009, 34, 134-143.	4.5	34
105	Environmental and economic aspects of higher RES penetration into Macedonian power system. <i>Applied Thermal Engineering</i> , 2012, 43, 158-162.	3.0	34
106	Numerical analysis of cement calciner fuel efficiency and pollutant emissions. <i>Clean Technologies and Environmental Policy</i> , 2013, 15, 489-499.	2.1	34
107	Analysis of financial mechanisms in support to new pumped hydropower storage projects in Croatia. <i>Applied Energy</i> , 2013, 101, 161-171.	5.1	34
108	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

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109	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
110	Environmental management as a pillar for sustainable development. <i>Journal of Environmental Management</i> , 2017, 203, 867-871.	3.8	34
111	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
112	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
113	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
114	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
115	SDEWES 2014 - Sustainable Development of Energy, Water and Environment Systems. <i>Journal of Cleaner Production</i> , 2016, 130, 1-11.	4.6	33
116	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
117	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
118	Forecasting long-term energy demand of Croatian transport sector. <i>Energy</i> , 2013, 57, 169-176.	4.5	32
119	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
120	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
121	Appropriate integration of geothermal energy sources by Pinch approach: Case study of Croatia. <i>Applied Energy</i> , 2016, 184, 1343-1349.	5.1	31
122	Sustainable development of energy, water and environment systems 2016. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1685-1690.	8.2	31
123	Modeling the energy potential of biomass - H2RES. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7027-7040.	3.8	30
124	Assessment of climate change mitigation potential of the Macedonian transport sector. <i>Energy</i> , 2013, 57, 177-187.	4.5	30
125	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
126	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

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127	Estimating the spatial distribution of high altitude wind energy potential in Southeast Europe. <i>Energy</i> , 2013, 57, 24-29.	4.5	28
128	Numerical modelling of emissions of nitrogen oxides in solid fuel combustion. <i>Journal of Environmental Management</i> , 2018, 215, 177-184.	3.8	27
129	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
130	Recent Advances in Technology, Strategy and Application of Sustainable Energy Systems. <i>Energies</i> , 2020, 13, 5229.	1.6	27
131	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
132	Potentials for energy savings and long term energy demand of Croatian households sector. <i>Applied Energy</i> , 2013, 101, 15-25.	5.1	26
133	System integration is a necessity for sustainable development. <i>Journal of Cleaner Production</i> , 2018, 195, 122-132.	4.6	26
134	Evaluation of Excess Heat Utilization in District Heating Systems by Implementing Levelized Cost of Excess Heat. <i>Energies</i> , 2018, 11, 575.	1.6	25
135	Beyond energy crops and subsidised electricity – A study on sustainable biogas production and utilisation in advanced energy markets. <i>Energy</i> , 2020, 201, 117651.	4.5	25
136	Thermogravimetric and kinetic analysis of biomass and polyurethane foam mixtures Co-Pyrolysis. <i>Energy</i> , 2021, 237, 121592.	4.5	25
137	Smart municipal energy grid within electricity market. <i>Energy</i> , 2017, 137, 1277-1285.	4.5	24
138	Effects of surface deposition and droplet injection on film cooling. <i>Energy Conversion and Management</i> , 2016, 125, 51-58.	4.4	23
139	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
140	Numerical analysis of ammonia homogenization for selective catalytic reduction application. <i>Journal of Environmental Management</i> , 2017, 203, 1047-1061.	3.8	23
141	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
142	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
143	Is the success of clean energy guaranteed?. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 2093-2100.	2.1	22
144	Experimental analysis of waste polyurethane from household appliances and its utilization possibilities. <i>Journal of Environmental Management</i> , 2019, 243, 105-115.	3.8	22

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145	Troubleshooting the problems arising from sustainable development. Journal of Environmental Management, 2019, 232, 52-57.	3.8	22
146	Synergy between feedstock gate fee and power-to-gas: An energy and economic analysis of renewable methane production in a biogas plant. Renewable Energy, 2021, 173, 12-23.	4.3	22
147	Role of District Heating in Systems with a High Share of Renewables: Case Study for the City of Osijek. Energy Procedia, 2016, 95, 337-343.	1.8	21
148	Modeling of optimal energy flows for systems with close integration of sea water desalination and renewable energy sources: Case study for Jordan. Energy Conversion and Management, 2016, 110, 249-259.	4.4	21
149	A kinetic study of roadside grass pyrolysis and digestate from anaerobic mono-digestion. Bioresource Technology, 2019, 292, 121935.	4.8	21
150	Moving the system boundaries in decarbonization of large islands. Energy Conversion and Management, 2021, 234, 113956.	4.4	21
151	Mapping the potential for decentralized energy generation based on RES in Western Balkans. Thermal Science, 2007, 11, 7-26.	0.5	21
152	Croatia energy planning and Kyoto Protocol. Energy Policy, 2005, 33, 1003-1010.	4.2	20
153	Sustainable development of energy, water and environment systems. Energy, 2011, 36, 1839-1841.	4.5	20
154	Economic viability and geographic distribution of centralized biogas plants: case study Croatia. Clean Technologies and Environmental Policy, 2012, 14, 427-433.	2.1	20
155	Sustainability of remote communities: 100% renewable island of Hvar. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	20
156	Development of wet phase transition agglomerator for multi-pollutant synergistic removal. Applied Thermal Engineering, 2018, 130, 1208-1214.	3.0	20
157	Household profile identification for behavioral demand response: A semi-supervised learning approach using smart meter data. Energy, 2022, 238, 121728.	4.5	20
158	Increasing the renewable energy sources absorption capacity of the Macedonian energy system. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	19
159	Towards post-2020 climate change regime: Analyses of various mitigation scenarios and contributions for Macedonia. Energy, 2016, 94, 124-137.	4.5	19
160	Sustainable energy technologies and environmental impacts of energy systems. Applied Energy, 2019, 256, 113919.	5.1	19
161	Thermogravimetric Analysis Investigation of Polyurethane Plastic Thermal Properties Under Different Atmospheric Conditions. Journal of Sustainable Development of Energy, Water and Environment Systems, 2019, 7, 355-367.	0.9	19
162	Validation of reduced mechanisms for nitrogen chemistry in numerical simulation of a turbulent non-premixed flame. Reaction Kinetics and Catalysis Letters, 2009, 96, 125-138.	0.6	18

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163	Two methods for decreasing the flexibility gap in national energy systems. <i>Energy</i> , 2016, 115, 1701-1709.	4.5	18
164	Bottom-up and top-down heat demand mapping methods for small municipalities, case Gillogoc. <i>Energy</i> , 2020, 199, 117429.	4.5	18
165	Research on a cloud image forecasting approach for solar power forecasting. <i>Energy Procedia</i> , 2017, 142, 362-368.	1.8	17
166	Toward an Efficient and Sustainable Use of Energy in Industries and Cities. <i>Energies</i> , 2019, 12, 3150.	1.6	17
167	Editorial: Sustainable development of energy, Water and Environment Systems. <i>Energy</i> , 2020, 190, 116432.	4.5	17
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