

Boris ÄosiÄ

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5093749/publications.pdf>

Version: 2024-02-01

23
papers

1,173
citations

394421

19
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	A 100% renewable energy system in the year 2050: The case of Macedonia. <i>Energy</i> , 2012, 48, 80-87.	8.8	224
2	Zero carbon energy system of South East Europe in 2050. <i>Applied Energy</i> , 2016, 184, 1517-1528.	10.1	156
3	Green biomass to biogas – A study on anaerobic digestion of residue grass. <i>Journal of Cleaner Production</i> , 2019, 213, 700-709.	9.3	84
4	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.	8.8	72
5	Geographic distribution of economic potential of agricultural and forest biomass residual for energy use: Case study Croatia. <i>Energy</i> , 2011, 36, 2017-2028.	8.8	63
6	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.	8.8	62
7	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.	8.0	60
8	A hybrid optimization model of biomass trigeneration system combined with pit thermal energy storage. <i>Energy Conversion and Management</i> , 2015, 104, 90-99.	9.2	52
9	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.	10.1	49
10	Increasing wind power penetration into the existing Serbian energy system. <i>Energy</i> , 2013, 57, 30-37.	8.8	47
11	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.	16.4	47
12	Wind energy integration into future energy systems based on conventional plants – The case study of Croatia. <i>Applied Energy</i> , 2014, 135, 643-655.	10.1	36
13	Environmental and economic aspects of higher RES penetration into Macedonian power system. <i>Applied Thermal Engineering</i> , 2012, 43, 158-162.	6.0	34
14	Beyond energy crops and subsidised electricity – A study on sustainable biogas production and utilisation in advanced energy markets. <i>Energy</i> , 2020, 201, 117651.	8.8	25
15	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.	9.2	23
16	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.	8.9	22
17	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.	9.2	21
18	A kinetic study of roadside grass pyrolysis and digestate from anaerobic mono-digestion. <i>Bioresource Technology</i> , 2019, 292, 121935.	9.6	21

#	ARTICLE	IF	CITATIONS
19	Sustainability of remote communities: 100% renewable island of Hvar. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	20
20	Increasing the renewable energy sources absorption capacity of the Macedonian energy system. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	19
21	Influence of legislative conditioned changes in waste management on economic viability of MSW-fuelled district heating system: Case study. Thermal Science, 2016, 20, 1105-1120.	1.1	15
22	A realistic EU vision of a lignite-based energy system in transition: Case study of Serbia. Thermal Science, 2015, 19, 371-382.	1.1	11
23	Impact of new power investments up to year 2020 on the energy system of Bosnia and Herzegovina. Thermal Science, 2015, 19, 771-780.	1.1	3