

Natasha Markovska

List of Publications by Year in descending order

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42
papers

1,127
citations

430874

18
h-index

414414

32
g-index

52
all docs

52
docs citations

52
times ranked

1153
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero carbon energy system of South East Europe in 2050. Applied Energy, 2016, 184, 1517-1528.	10.1	156
2	SWOT analyses of the national energy sector for sustainable energy development. Energy, 2009, 34, 752-756.	8.8	120
3	Renewable and sustainable energy challenges to face for the achievement of Sustainable Development Goals. Renewable and Sustainable Energy Reviews, 2022, 157, 112071.	16.4	64
4	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. Energy, 2016, 115, 1504-1512.	8.8	47
5	The potential of power-to-heat demand response to improve the flexibility of the energy system: An empirical review. Renewable and Sustainable Energy Reviews, 2021, 138, 110489.	16.4	47
6	Recent advances in methods, policies and technologies at sustainable energy systems development. Energy, 2022, 245, 123276.	8.8	46
7	Greenhouse gases (GHG) emissions reduction in a power system predominantly based on lignite. Energy, 2011, 36, 2266-2270.	8.8	42
8	Economic and environmental evaluation of climate change mitigation measures in the waste sector of developing countries. Journal of Cleaner Production, 2015, 88, 234-241.	9.3	41
9	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.	8.8	40
10	Evaluation of climate change impacts on energy demand. Energy, 2012, 48, 88-95.	8.8	39
11	Environmental and economic aspects of higher RES penetration into Macedonian power system. Applied Thermal Engineering, 2012, 43, 158-162.	6.0	34
12	Sustainable development of energy, water and environment systems 2016. Renewable and Sustainable Energy Reviews, 2018, 82, 1685-1690.	16.4	31
13	Assessment of climate change mitigation potential of the Macedonian transport sector. Energy, 2013, 57, 177-187.	8.8	30
14	Life cycle to Pinch Analysis and 100% renewable energy systems in a circular economy at sustainable development of energy, Water and Environment Systems 2017. Renewable and Sustainable Energy Reviews, 2019, 108, 572-577.	16.4	27
15	The potential of renewable energy sources for greenhouse gases emissions reduction in Macedonia. Thermal Science, 2012, 16, 717-728.	1.1	19
16	Increasing the renewable energy sources absorption capacity of the Macedonian energy system. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	19
17	Towards post-2020 climate change regime: Analyses of various mitigation scenarios and contributions for Macedonia. Energy, 2016, 94, 124-137.	8.8	19
18	Low emissions development pathways of the Macedonian energy sector. Renewable and Sustainable Energy Reviews, 2016, 53, 1202-1211.	16.4	18

#	ARTICLE	IF	CITATIONS
19	Editorial: Sustainable development of energy, Water and Environment Systems. Energy, 2020, 190, 116432.	8.8	17
20	An Integrated Approach for Analysis of Higher Penetration of Variable Renewable Energy: Coupling of the Long-Term Energy Planning Tools and Power Transmission Network Models. Journal of Sustainable Development of Energy, Water and Environment Systems, 2019, 7, 615-630.	1.9	15
21	Techno-economic, Social and Environmental Assessment of Biomass Based District Heating in a Bioenergy Village. Journal of Sustainable Development of Energy, Water and Environment Systems, 2019, 7, 601-614.	1.9	13
22	Electron capture and excitation processes in $H^+ + H^+$ collisions in dense quantum plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 205701.	1.5	10
23	Assessment of the impact of renewable energy and energy efficiency policies on the Macedonian energy sector development. Journal of Renewable and Sustainable Energy, 2013, 5, 041814.	2.0	9
24	Exploring the impact of reduced hydro capacity and lignite resources on the Macedonian power sector development. Thermal Science, 2014, 18, 721-730.	1.1	9
25	How do waste climate policies contribute to sustainable development? A case study of North Macedonia. Journal of Cleaner Production, 2022, 354, 131572.	9.3	9
26	Occupational Entropy and Mind Indicators for Sustainable Energy Development. International Journal of Green Energy, 2004, 1, 327-335.	3.8	8
27	Transition towards a sustainable heating and cooling sector - case study of southeast European countries. Thermal Science, 2019, 23, 3293-3306.	1.1	8
28	Sustainable Development of Energy, Water and Environment Systems. Energy, 2016, 115, 1503.	8.8	7
29	Sustainable Development Goals – Climate Action Nexus: Quantification of Synergies and Trade-offs. Clean Technologies and Environmental Policy, 2022, 24, 303-313.	4.1	7
30	Enabling an environment for solar and wind energy deployment in the Macedonian agricultural sector. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	5
31	Optimization of heat saving in buildings using unsteady heat transfer model. Thermal Science, 2015, 19, 881-892.	1.1	5
32	Analysis of renewable energy sources and electric vehicle penetration into energy systems predominantly based on lignite. European Physical Journal: Special Topics, 2016, 225, 595-608.	2.6	5
33	Microgrids: The agria test location. Thermal Science, 2010, 14, 747-758.	1.1	5
34	Cost and Environmental Effectiveness of the Climate Change Mitigation Measures. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 67-73.	0.2	3
35	Energy transition of a developing country following the pillars of the EU green deal. Thermal Science, 2022, 26, 1317-1329.	1.1	3
36	Canalized states in a two-dimensional quantum model of thin films. Journal of Physics A, 1995, 28, L201-L206.	1.6	2

#	ARTICLE	IF	CITATIONS
37	Social aspects of wider microgrids deployment. , 2010, , .		2
38	Implementation of the feed-in tariffs in the Macedonian power system. , 2011, , .		2
39	Total reflection and canalized states in a three-dimensional quantum model of thin films. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 234, 251-261.	2.1	1
40	Assessment and Mitigation of Environmental Impacts of Industrial Processes in Macedonia. Critical Reviews in Analytical Chemistry, 2003, 33, 301-306.	3.5	1
41	Energy Technologies and Integrated Risks. , 2017, , 193-206.		1
42	Building a sustainable greenhouse gases inventory system in Macedonia. Management of Environmental Quality, 2014, 25, 313-323.	4.3	0