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	Sustainable Development Goalsâ€"Climate Action Nexus:Quantification of Synergies and Trade-offs. Clean Technologies and Environmental Policy, 2022, 24, 303-313.	4.1	7
2	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
3	Recent advances in methods, policies and technologies at sustainable energy systems development. Energy, 2022, 245, 123276.	8.8	46
4	Energy transition of a developing country following the pillars of the EU green deal. Thermal Science, 2022, 26, 1317-1329.	1.1	3
5	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
6	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
7	Editorial: Sustainable development of energy, Water and Environment Systems. Energy, 2020, 190, 116432.	8.8	17
8	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
9	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
10	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
11	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
12	Transition towards a sustainable heating and cooling sector - case study of southeast European countries. Thermal Science, 2019, 23, 3293-3306.	1.1	8
13	Sustainable development of energy, water and environment systems 2016. Renewable and Sustainable Energy Reviews, 2018, 82, 1685-1690.	16.4	31
14	Energy Technologies and Integrated Risks. , 2017, , 193-206.		1
15	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
16	Sustainable Development of Energy, Water and Environment Systems. Energy, 2016, 115, 1503.	8.8	7
17	Electron capture and excitation processes in H⁺â^'H collisions in dense quantum plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 205701.	1.5	10
18	Addressing the main challenges of energy security in the twenty-first century â€" Contributions of the conferences on Sustainable Development of Energy, Water and Environment Systems. Energy, 2016, 115, 1504-1512.	8.8	47

#	Article	IF	Citations
19	Zero carbon energy system of South East Europe in 2050. Applied Energy, 2016, 184, 1517-1528.	10.1	156
20	Low emissions development pathways of the Macedonian energy sector. Renewable and Sustainable Energy Reviews, 2016, 53, 1202-1211.	16.4	18
21	Towards post-2020 climate change regime: Analyses of various mitigation scenarios and contributions for Macedonia. Energy, 2016, 94, 124-137.	8.8	19
22	Optimization of heat saving in buildings using unsteady heat transfer model. Thermal Science, 2015, 19, 881-892.	1.1	5
23	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
24	Building a sustainable greenhouse gases inventory system in Macedonia. Management of Environmental Quality, 2014, 25, 313-323.	4.3	0
25	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
26	Assessment of climate change mitigation potential of the Macedonian transport sector. Energy, 2013, 57, 177-187.	8.8	30
27	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
28	Increasing the renewable energy sources absorption capacity of the Macedonian energy system. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	19
29	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
30	The potentional of renewable energy sources for greenhouse gases emissions reduction in Macedonia. Thermal Science, 2012, 16, 717-728.	1.1	19
31	Evaluation of climate change impacts on energy demand. Energy, 2012, 48, 88-95.	8.8	39
32	Environmental and economic aspects of higher RES penetration into Macedonian power system. Applied Thermal Engineering, 2012, 43, 158-162.	6.0	34
33	Implementation of the feed-in tariffs in the Macedonian power system. , 2011, , .		2
34	Greenhouse gases (GHG) emissions reduction in a power system predominantly based on lignite. Energy, 2011, 36, 2266-2270.	8.8	42
35	Social aspects of wider microgrids deployment. , 2010, , .		2
36	Microgrids: The agria test location. Thermal Science, 2010, 14, 747-758.	1.1	5

#	Article	IF	Citations
37	SWOT analyses of the national energy sector for sustainable energy development. Energy, 2009, 34, 752-756.	8.8	120
38	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
39	Occupational Entropy and Mind Indicators for Sustainable Energy Development. International Journal of Green Energy, 2004, 1, 327-335.	3.8	8
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	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
42	Canalized states in a two-dimensional quantum model of thin films. Journal of Physics A, 1995, 28, L201-L206.	1.6	2