

Vukman V BakiÄ

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

467
citations

759233

12
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	An analytical method for the measurement of energy system sustainability in urban areas. <i>Energy</i> , 2010, 35, 3909-3920.	8.8	53
2	Prioritization of manufacturing sectors in Serbia for energy management improvement – AHP method. <i>Energy Conversion and Management</i> , 2015, 98, 225-235.	9.2	45
3	Energy management system implementation in Serbian manufacturing – Plan-Do-Check-Act cycle approach. <i>Journal of Cleaner Production</i> , 2017, 162, 1144-1156.	9.3	44
4	Dynamical simulation of PV/Wind hybrid energy conversion system. <i>Energy</i> , 2012, 45, 324-328.	8.8	39
5	On finite element analysis of sling wire rope subjected to axial loading. <i>Ocean Engineering</i> , 2014, 88, 480-487.	4.3	36
6	Experimental and numerical investigation of gaseous fuel combustion in swirl chamber. <i>International Journal of Heat and Mass Transfer</i> , 2005, 48, 4623-4632.	4.8	29
7	Sustainability estimation of energy system options that use gas and renewable resources for domestic hot water production. <i>Energy</i> , 2011, 36, 2169-2175.	8.8	25
8	Sustainability assessment of residential buildings by non-linear normalization procedure. <i>Energy and Buildings</i> , 2013, 58, 348-354.	6.7	22
9	Mapping the potential for decentralized energy generation based on RES in Western Balkans. <i>Thermal Science</i> , 2007, 11, 7-26.	1.1	21
10	Experimental investigation of turbulent structures of flow around a sphere. <i>Thermal Science</i> , 2006, 10, 97-112.	1.1	14
11	Fossil fuels substitution by the solar energy utilization for the hot water production in the heating plant – Cerak – in Belgrade. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7075-7080.	7.1	13
12	Technical analysis of photovoltaic/wind systems with hydrogen storage. <i>Thermal Science</i> , 2012, 16, 865-875.	1.1	13
13	GHG (Greenhouse Gases) emission inventory and mitigation measures for public district heating plants in the Republic of Serbia. <i>Energy</i> , 2013, 57, 788-795.	8.8	12
14	Experimental and numerical modelling of thermal performance of a residential building in Belgrade. <i>Thermal Science</i> , 2009, 13, 245-252.	1.1	12
15	Experimental investigation of summer thermal performance of the green roof system with mineral wool substrate. <i>Building and Environment</i> , 2022, 217, 109061.	6.9	12
16	Experimental investigation of a flow around a sphere. <i>Thermal Science</i> , 2004, 8, 63-81.	1.1	11
17	Evaluation of Kolubara lignite carbon emission characteristics. <i>Thermal Science</i> , 2012, 16, 805-816.	1.1	9
18	Technical and economic analysis of grid-connected PV/Wind energy stations in the Republic of Serbia under varying climatic conditions. <i>FME Transactions</i> , 2016, 44, 71-82.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Numerical determination of drag coefficient for guyed mast exposed to wind action. Engineering Structures, 2014, 62-63, 98-104.	5.3	7
20	The processes of vaporization in the porous structures working with the excess of liquid. Thermal Science, 2017, 21, 363-373.	1.1	6
21	Experimental and numerical investigation of premixed acetylene flame. International Journal of Heat and Mass Transfer, 2006, 49, 4023-4032.	4.8	5
22	Numerical simulation of the air flow around the arrays of solar collectors. Thermal Science, 2011, 15, 457-465.	1.1	5
23	Techno-economic analysis of stand-alone photovoltaic/wind/battery/hydrogen systems for very small-scale applications. Thermal Science, 2016, 20, 261-273.	1.1	5
24	Structural analysis of guyed mast exposed to wind action. Thermal Science, 2016, 20, 1473-1483.	1.1	5
25	Analysis of different scenarios and sustainability measurement in the district heating sector in Serbia. Thermal Science, 2019, 23, 2085-2096.	1.1	5
26	Review of the research on the turbulence in the laboratory for thermal engineering and energy. Thermal Science, 2017, 21, 875-898.	1.1	5
27	Determination of the drag coefficient of lattice structures under wind load using porous media approach. Thermal Science, 2022, 26, 309-317.	1.1	2
28	Entrainment of Cold Gas Into Turbulent Premixed Acetylene Flame. Combustion Science and Technology, 2001, 164, 95-112.	2.3	1
29	Capillary-porous heat exchangers for cooling of melting units. Thermal Science, 2018, 22, 1359-1369.	1.1	1
30	Temperature correction factor simulation over the heating period. Thermal Science, 2018, 22, 1083-1093.	1.1	1
31	From Editors-in-Chief. Thermal Science, 2020, 24, 3431-3432.	1.1	1
32	Multi-Criteria Approach to Sustainability Evaluate of District Heating System Scenarios in Case of Serbia. , 0, , .		0
33	The Sustainability of Thermal Power Plant Unit Revitalization: Comparison of Two Multi-Criteria Methods. , 0, , .		0
34	Experimental validation of wind energy estimation. Thermal Science, 2020, 24, 3795-3806.	1.1	0