

# Dardan Klimenta

## List of Publications by Year in descending order

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papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal aging management for electricity distribution networks: FEM-based qualification of underground power cables. <i>Thermal Science</i> , 2022, 26, 3571-3586.	1.1	3
2	Increasing the ampacity of underground cable lines by optimising the thermal environment and design parameters for cable crossings. <i>IET Generation, Transmission and Distribution</i> , 2022, 16, 2309-2318.	2.5	1
3	Multi-Criteria Optimization of Vehicle-to-Grid Service to Minimize Battery Degradation and Electricity Costs. <i>Elektronika Ir Elektrotehnika</i> , 2022, 28, 24-29.	0.8	1
4	Possible Scenarios for Reduction of Carbon Dioxide Emissions in Serbia by Generating Electricity from Natural Gas. <i>Energies</i> , 2022, 15, 4792.	3.1	2
5	Increasing the transmission performance of a conventional 110kV cable line by combining a hydronic concrete pavement system with photovoltaic floor tiles. <i>Electrical Engineering</i> , 2021, 103, 1401-1415.	2.0	12
6	A Novel Procedure for Quick Design of Off-Grid PV Water Pumping Systems for Irrigation. <i>Elektronika Ir Elektrotehnika</i> , 2021, 27, 64-77.	0.8	4
7	Research of Distorted Vehicle Magnetic Signatures Recognitions, for Length Estimation in Real Traffic Conditions. <i>Sensors</i> , 2021, 21, 7872.	3.8	4
8	The use of hydronic asphalt pavements as an alternative method of eliminating hot spots of underground power cables. <i>Applied Thermal Engineering</i> , 2020, 168, 114818.	6.0	14
9	Method for Volume of Irregular Shape Pellets Estimation Using 2D Imaging Measurement. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2650.	2.5	4
10	GA-based approach for optimal placement and sizing of passive power filters to reduce harmonics in distorted radial distribution systems. <i>Electrical Engineering</i> , 2019, 101, 787-803.	2.0	12
11	Eliminating the effect of hot spots on underground power cables using cool pavements. <i>Electrical Engineering</i> , 2019, 101, 1295-1309.	2.0	13
12	Research of the Operator's Advisory System Based on Fuzzy Logic for Pelletizing Equipment. <i>Symmetry</i> , 2019, 11, 1396.	2.2	5
13	A thermal model for open-rack mounted photovoltaic modules based on empirical correlations for natural and forced convection. <i>Thermal Science</i> , 2019, 23, 3551-3566.	1.1	2
14	A Transient Thermal Model for Flat-Plate Photovoltaic Systems and Its Experimental Validation. <i>Elektronika Ir Elektrotehnika</i> , 2019, 25, .	0.8	6
15	Optimising the thermal environment and the ampacity of underground power cables using the gravitational search algorithm. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 423-430.	2.5	7
16	Estimating the parameters of induction motors in different operating regimes from a set of data containing the rotor cage temperature. <i>Electrical Engineering</i> , 2018, 100, 139-150.	2.0	2
17	Modelling the thermal effect of solar radiation on the ampacity of a low voltage underground cable. <i>International Journal of Thermal Sciences</i> , 2018, 134, 507-516.	4.9	13
18	Controlling the thermal environment of underground cable lines using the pavement surface radiation properties. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 2968-2976.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Controlling the thermal environment of underground power cables adjacent to heating pipeline using the pavement surface radiation properties. <i>Thermal Science</i> , 2018, 22, 2625-2640.	1.1	7
20	Modeling the effect of the inclination angle on natural convection from a flat plate: The case of a photovoltaic module. <i>Thermal Science</i> , 2017, 21, 925-938.	1.1	2
21	Novel approach to analytical modelling of steady-state heat transfer from the exterior of TEFC induction motors. <i>Thermal Science</i> , 2017, 21, 1529-1542.	1.1	4
22	Moth Swarm Algorithm for Solving Combined Economic and Emission Dispatch Problem. <i>Elektronika Ii Elektrotehnika</i> , 2017, 23, .	0.8	25
23	An approximate estimation of velocity profiles and turbulence factor models for air-flows along the exterior of TEFC induction motors. <i>Thermal Science</i> , 2017, 21, 1515-1527.	1.1	2
24	MODELING THE INFLUENCE OF INCLINATION ANGLE ON NATURAL CONVECTION AROUND AN EVACUATED TUBE SOLAR COLLECTOR. <i>Heat Transfer Research</i> , 2017, 48, 23-34.	1.6	0
25	Energy and operation management of a microgrid using particle swarm optimization. <i>Engineering Optimization</i> , 2016, 48, 811-830.	2.6	82
26	Optimizing of the cable bedding and the ampacity of underground power cables in trefoil formation by using the gravitational search algorithm. <i>Tehnika</i> , 2016, 71, 431-438.	0.2	0
27	An analytical algorithm to determine allowable ampacities of horizontally installed rectangular bus bars. <i>Thermal Science</i> , 2016, 20, 717-730.	1.1	10
28	Optimal Power Flow Using a Hybrid Optimization Algorithm of Particle Swarm Optimization and Gravitational Search Algorithm. <i>Electric Power Components and Systems</i> , 2015, 43, 1958-1970.	1.8	86
29	Optimal power flow for distribution networks with distributed generation. <i>Serbian Journal of Electrical Engineering</i> , 2015, 12, 145-170.	0.4	14
30	Optimal power flow for distribution networks using gravitational search algorithm. <i>Electrical Engineering</i> , 2014, 96, 335-345.	2.0	24
31	Steady-State Analysis of Parallel-Operated Self-Excited Induction Generators Supplying an Unbalanced Load. <i>Journal of Electrical Engineering</i> , 2012, 63, 213-223.	0.7	8
32	Insulation modelling for thermal FEM analysis of PVC and XLPE cables under fault conditions. <i>European Transactions on Electrical Power</i> , 2012, 22, 1093-1111.	1.0	4
33	An improved non-adiabatic FEM model of a line-to-earth fault in buried power cables. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 3514-3522.	4.8	11
34	Optimal Seasonal Voltage Control in Rural Distribution Networks with Distributed Generators. <i>Journal of Electrical Engineering</i> , 2010, 61, 321-331.	0.7	5
35	FEM modelling of faults occurred in buried power cables due to the removal of tree roots. <i>European Transactions on Electrical Power</i> , 2010, 20, 1237-1254.	1.0	2
36	The analysis of a rural distribution network with distributed generation in catchment area of Stara Planina. <i>Facta Universitatis - Series Electronics and Energetics</i> , 2009, 22, 71-89.	0.9	0

#	ARTICLE	IF	CITATIONS
37	Controlling the thermal environment in hot spots of buried power cables. European Transactions on Electrical Power, 2007, 17, 427-449.	1.0	12