

# Elena N Sosnina

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

100  
citations

2258059

3  
h-index

2272923

4  
g-index

45  
all docs

45  
docs citations

45  
times ranked

33  
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltage Control with Thyristor-Regulated Booster Transformer. , 2018, , .		10
2	Development of Medium Voltage Power Flow Control Device. , 2018, , .		10
3	The development of hybrid power source based on SOFC for distant electricity consumers' power supply. , 2015, , .		9
4	Optimization of virtual power plant with a distributed generation. MATEC Web of Conferences, 2017, 141, 01057.	0.2	8
5	Optimization of Virtual Power Plant Topology with Distributed Generation Sources. , 2018, , .		8
6	Power flow control device prototype tests. , 2016, , .		7
7	Mathematical modelling of a tidal power station with diesel and wind units. Journal of King Saud University - Science, 2019, 31, 1491-1498.	3.5	4
8	Active-Adaptive Control System of the Thyristor Voltage Regulator. , 2019, , .		4
9	Assessment of FACTS Devices Nonsinusoidality in Smart Grid. , 2022, , .		4
10	Virtual power plant static stability assessment. , 2016, , .		3
11	Development and Research of the Solid State Voltage Regulator Active-Adaptive Control System. , 2018, , .		3
12	Research of TRBVT Regulation Characteristics. , 2018, , .		3
13	Economy Mode Setting Device for Wind-Diesel Power Plants. Energies, 2020, 13, 1274.	3.1	3
14	Research of Thyristor Voltage Regulator Characteristics in Transverse Output Voltage Regulation Mode. , 2020, , .		3
15	The development of the automatic power flow control station in distribution electric network of a low voltage. , 2015, , .		2
16	Research of isolated electrical systems stability with wind-diesel hybrid power stations. , 2016, , .		2
17	Operational risk study of a power system with renewable energy sources. , 2017, , .		2
18	Optimization of Virtual Power Plant Electrical Network. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Functioning Algorithm of the Stand Alone Power Supply System with Renewable Energy Sources. , 2019, , .		2
20	Development of Energy Router as Basic Element of Virtual Power Plant. , 2019, , .		2
21	Research on Application Efficiency of SOFC on Biogas for Power Supply of Agricultural Enterprises. Przegląd Elektrotechniczny, 2021, 1, 66-70.	0.2	2
22	EMC research of transformer-thyristor regulator. , 2017, , .		1
23	Harmonic Analysis of the Thyristor Regulator Output Voltage. , 2018, , .		1
24	Power Supply System with Power Plant on Solid Oxide Fuel Cells. , 2019, , .		1
25	Development of Control System for New Medium Voltage Power Flow Control Device. , 2019, , .		1
26	Modeling of Stand-alone Power Supply System with Distributed Generation Sources. , 2019, , .		1
27	Energy Source Selection for the Combined Renewable Power Plants. , 2019, , .		1
28	Development of a Distributed Energy Router Control System Based on a Neural Network. , 2020, , .		1
29	Research of tubular plate nickel-cadmium battery characteristics during developing of hybrid power source based on SOFC. , 2016, , .		0
30	Development and research of the universal coupling device for different kinds of electric power sources. , 2017, , .		0
31	A Study of Operation Modes of the Autonomous Power Supply System with Wind-Diesel Power Plant. , 2018, , .		0
32	The Research of Power Supply System Operating Modes with Solid Oxide Fuel Cells on Biogas. , 2018, , .		0
33	Research of TVR electromagnetic field. , 2018, , .		0
34	The Increase of Small Distributed Generation Efficiency. , 2019, , .		0
35	Research of Thyristor Voltage Regulator Effect on the Harmonics in the Distribution Electric Network. , 2019, , .		0
36	Switched-Mode Power Supply for Control System. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Control System of Solid State Voltage Regulator. , 2019, , .		0
38	Improving Efficiency of Standalone Power Supply Systems Based on Virtual Power Plant Technologies. , 2019, , .		0
39	Research and Development of the Power Supply System Based on Biogas-Powered SOFC for an Agricultural Enterprise. , 2020, , .		0
40	Quasi resonant converter for autonomous power supply. Journal of Power Electronics, 2021, 21, 517-528.	1.5	0
41	The Mathematical Modeling and Efficiency Research of a Power Supply System with Biogas-powered SOFCs. , 2021, , .		0
42	Optimization of a SOFC-based Generation System on Biogas. , 2021, , .		0
43	ENERGY EXCHANGE MANAGEMENT ISSUES IN A VIRTUAL POWER PLANT WITH DISTRIBUTED GENERATION. , 2021, , .		0
44	STUDY OF THE EFFECT OF SOLID STATE REGULATORS VOLTAGE ON POWER QUALITY INDICATORS. , 2021, , .		0
45	METHODOLOGY OF SELECTING THE INSTALLED CAPACITY OF SOFC IN THE COMBINED POWER SUPPLY SOURCE OF LIVESTOCK ENTERPRISE. , 2021, , .		0