

Longfu Luo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1543120/publications.pdf>

Version: 2024-02-01

88
papers

1,342
citations

304602

22
h-index

360920

35
g-index

88
all docs

88
docs citations

88
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the Harmonic Analysis and Energy Transmission Mechanism of the Frequency Conversion Transformer. <i>Energies</i> , 2022, 15, 519.	1.6	0
2	Research on Vibration and Noise of Induction Motor under Variable Frequency. <i>Symmetry</i> , 2022, 14, 569.	1.1	0
3	A novel fault location method for hybrid lines based on traveling wave. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 141, 108102.	3.3	14
4	Day-Ahead Wind Power Prediction Based on BP Neural Network Optimized by Improved Sparrow Search Algorithm. , 2022, , .		0
5	Capacitive Filter Based HVDC Converter for Reducing the Vibration and Noise of Converter Transformer. <i>IEEE Access</i> , 2022, 10, 78634-78642.	2.6	3
6	Renewable Energy Integration in Intelligent Railway of China: Configurations, Applications and Issues. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2021, 13, 13-33.	2.6	10
7	A New Harmonic Mitigation System With Double Balanced Impedance Filtering Power Transformer for Multistage Distribution Network. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 4565-4575.	5.2	3
8	A New DC Multipulse Integrated Shipboard Power Supply System and Performance Analysis Referring to Transformer Noninteger Turns Ratio Deviation. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 353-363.	5.4	7
9	A Novel HVDC Converter for Reducing Commutation Failure Probability. , 2021, , .		0
10	Research on dynamic characteristics of inverter when fault occurs in HVDC receiving end equipped with synchronous condenser. , 2021, , .		0
11	Magnetic-Integrated Multipulse Rectifier Transformer With a Tight Impedance Equalizing Strategy for Power Quality Improvement of DC Traction Power Supply System. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 6270-6279.	5.2	12
12	A Transformer Integrated Filtering System for Power Quality Improvement of Industrial DC Supply System. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 3329-3339.	5.2	47
13	A Traveling Wave-Based Fault Location Method Employing VMD-TEO for Distribution Network. <i>IEEE Transactions on Power Delivery</i> , 2020, 35, 1987-1998.	2.9	76
14	More Efficient AC Filterless HVDC with Low Noise of Transformer. , 2020, , .		1
15	A Defect-Detection Method of Split Pins in the Catenary Fastening Devices of High-Speed Railway Based on Deep Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 9517-9525.	2.4	31
16	Study on Characteristic Parameters of Short-Circuit Impedance for a Four-Winding Inductive Filtering Transformer in Power System Supplying Nonlinear Loads. <i>IEEE Access</i> , 2019, 7, 115273-115280.	2.6	8
17	Supercapacitor Integrated Railway Static Power Conditioner for Regenerative Braking Energy Recycling and Power Quality Improvement of High-Speed Railway System. <i>IEEE Transactions on Transportation Electrification</i> , 2019, 5, 702-714.	5.3	60
18	Active power filter integrated with distribution transformer based on magnetic potential balance. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 238-247.	1.4	7

#	ARTICLE	IF	CITATIONS
19	A Four-Winding Inductive Filtering Transformer to Enhance Power Quality in a High-Voltage Distribution Network Supplying Nonlinear Loads. <i>Energies</i> , 2019, 12, 2021.	1.6	12
20	Minimizing the Energy Cost of Offshore Wind Farms by Simultaneously Optimizing Wind Turbines and Their Layout. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 835.	1.3	13
21	A Novel SOC Distributed Equalization Control Strategy for Energy Storage Units in DC Microgrids. , 2019, , .		0
22	A Compound Control Strategy of Dynamic Voltage Restorer based on Multiple Winding Transformer. , 2019, , .		1
23	Power Quality Survey of Industrial Large-power DC Supply System. , 2019, , .		0
24	High Reliability Dynamic Voltage Restorer Based on Multi-winding Transformer. , 2019, , .		2
25	Compensation Strategy for Multiple Series Centralized Voltage Sag in Medium Voltage Distribution Network. , 2019, , .		0
26	An Identification Method of Fault Type Based on GWO-SVM for Distribution Network. , 2019, , .		1
27	Power Quality Management of PV Power Plant With Transformer Integrated Filtering Method. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 941-949.	2.9	80
28	A Compensation System for Cophase High-Speed Electric Railways by Reactive Power Generation of SHC&SAC. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 2956-2966.	5.2	23
29	An Asymmetrical Connection Balance Transformer-Based Hybrid Railway Power Conditioning System With Cost-Function Optimization. <i>IEEE Transactions on Transportation Electrification</i> , 2018, 4, 577-590.	5.3	22
30	Optimized Inductive Filter Device Design for a Novel Transformer Based on Improved Immune Genetic Algorithm. , 2018, , .		1
31	Analysis of an Improved Voltage-balancing Control Method of Modular Multilevel Converter Based on Amplitude-adjustable Carrier. , 2018, , .		1
32	Optimal Design of Rated Wind Speed and Rotor Radius to Minimizing the Cost of Energy for Offshore Wind Turbines. <i>Energies</i> , 2018, 11, 2728.	1.6	10
33	A new compensation system for Vv cophase traction power supply system. , 2018, , .		1
34	Harmonic Elimination Using Parallel Delta-Connected Filtering Windings for Converter Transformers in HVDC Systems. <i>IEEE Transactions on Power Delivery</i> , 2017, 32, 933-941.	2.9	33
35	A Controllably Inductive Filtering Method With Transformer-Integrated Linear Reactor for Power Quality Improvement of Shipboard Power System. <i>IEEE Transactions on Power Delivery</i> , 2017, 32, 1817-1827.	2.9	31
36	Reactive Power Compensation and Negative-Sequence Current Suppression System for Electrical Railways With YNvd-Connected Balance Transformer”Part II: Implementation and Verification. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 9031-9042.	5.4	6

#	ARTICLE	IF	CITATIONS
37	Vibration and noise characteristics of the inductive filtering converter transformer. Electronics Letters, 2017, 53, 678-679.	0.5	8
38	Co-simulation of distributed control system based on JADE for smart distribution networks with distributed generations. IET Generation, Transmission and Distribution, 2017, 11, 3097-3105.	1.4	12
39	Voltage Stability Analysis and Sliding-Mode Control Method for Rectifier in DC Systems With Constant Power Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1621-1630.	3.7	47
40	A Power Factor-Oriented Railway Power Flow Controller for Power Quality Improvement in Electrical Railway Power System. IEEE Transactions on Industrial Electronics, 2017, 64, 1167-1177.	5.2	42
41	A Virtual Impedance Comprehensive Control Strategy for the Controllably Inductive Power Filtering System. IEEE Transactions on Power Electronics, 2017, 32, 920-926.	5.4	65
42	Research on subway energy internet based on power electronic transformer. , 2017, , .		1
43	Characteristic analysis of HVDC system with shunt capacitance commutated converter. , 2017, , .		0
44	A hybrid power conditioner for co-phase power supply system and its capacity analysis. , 2017, , .		2
45	A current balance compensation method for traction substation based on SVG and V/v transformer. , 2017, , .		5
46	Noise characteristics of the new converter transformer under DC bias. Electronics Letters, 2017, 53, 672-674.	0.5	6
47	Power Quality Improvement and LVRT Capability Enhancement of Wind Farms by Means of an Inductive Filtering Method. Energies, 2016, 9, 302.	1.6	5
48	YN/VD connected balance transformer-based electrical railway negative sequence current compensation system with passive control scheme. IET Power Electronics, 2016, 9, 2044-2051.	1.5	16
49	A controllably inductive power filtering method for large-power industrial rectifier system. , 2016, , .		1
50	A new shipboard power supply system based on a rectifier transformer with integrated filtering reactor. , 2016, , .		0
51	An Inductively Filtered Multiwinding Rectifier Transformer and Its Application in Industrial DC Power Supply System. IEEE Transactions on Industrial Electronics, 2016, 63, 3987-3997.	5.2	18
52	Vibration modal analysis and calculation of a new HVDC converter transformer with inductive filtering method. , 2015, , .		2
53	Principle research on suppressing harmonic instability of HVDC transmission by using an inductive filtering method. , 2015, , .		2
54	An Integrated Harmonic-Filtering Transformer for Low-Voltage Distribution Systems. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	14

#	ARTICLE	IF	CITATIONS
55	Improvement of power quality and dynamic voltage of wind farms using an inductive filtering method. , 2015, , .		1
56	A Y-D Multi-function Balance Transformer Based Power Quality Control System for Single-phase Power Supply System. IEEE Transactions on Industry Applications, 2015, , 1-1.	3.3	5
57	A New Railway Power Flow Control System Coupled With Asymmetric Double <i>LC</i> Branches. IEEE Transactions on Power Electronics, 2015, 30, 5484-5498.	5.4	31
58	A New Half-Bridge Winding Compensation-Based Power Conditioning System for Electric Railway with LQRI. IEEE Transactions on Power Electronics, 2014, 29, 5242-5256.	5.4	22
59	Enhancement of Commutation Reliability of an HVDC Inverter by Means of an Inductive Filtering Method. IEEE Transactions on Power Electronics, 2013, 28, 4917-4929.	5.4	42
60	Electromagnetic field and thermal distribution optimisation in shell-type traction transformers. IET Electric Power Applications, 2013, 7, 627-632.	1.1	16
61	An Industrial DC Power Supply System Based on an Inductive Filtering Method. IEEE Transactions on Industrial Electronics, 2012, 59, 714-722.	5.2	46
62	Assessment and Choice of Input Signals for Multiple HVDC and FACTS Wide-Area Damping Controllers. IEEE Transactions on Power Systems, 2012, 27, 1969-1977.	4.6	63
63	Realization of Reactive Power Compensation Near the LCC-HVDC Converter Bridges by Means of an Inductive Filtering Method. IEEE Transactions on Power Electronics, 2012, 27, 3908-3923.	5.4	55
64	Electromagnetic Vibration Analysis of the Winding of a New HVDC Converter Transformer. IEEE Transactions on Power Delivery, 2012, 27, 123-130.	2.9	53
65	Harmonic Transfer Characteristics of a New HVDC System Based on an Inductive Filtering Method. IEEE Transactions on Power Electronics, 2012, 27, 2273-2283.	5.4	24
66	Harmonic Current Detection Algorithm Based on the Improved FBD Method and Its Application in Active Power Filters. , 2012, , .		1
67	Simulation of the Electromagnetic Response Characteristic of an Inductively Filtered HVDC Converter Transformer Using Field-Circuit Coupling. IEEE Transactions on Industrial Electronics, 2012, 59, 4020-4031.	5.2	29
68	Analysis of the Characteristics of the New Converter Transformer Based on the Matrix Model. IEEE Transactions on Power Delivery, 2012, 27, 821-830.	2.9	7
69	Study on Steady- and Transient-State Characteristics of a New HVDC Transmission System Based on an Inductive Filtering Method. IEEE Transactions on Power Electronics, 2011, 26, 1976-1986.	5.4	28
70	LMI-based robust wide-area time-delay damping control of SSSC-type FACTS device for stability enhancement of power system. , 2010, , .		2
71	Study on the Effects of the DC Bias on the Harmonic Characteristics of the New Converter Transformer. , 2010, , .		7
72	Research on Principle and Characteristics of Superconductive Harmonic Current Absorber. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
73	Feasibility Study on Application of Voltage Source Inductive Filtering Converter in HVDC-Light Systems. , 2010, , .		2
74	Technical analysis and synthesis energy saving design of the high power DC power supply system. , 2010, , .		2
75	A new auto-inductive harmonic-suppression transformer and its harmonic equivalent circuit model. , 2010, , .		0
76	Applied Research on the Impedance Matching Balance Transformer of Three-Phase to Four-Phase Used in AT Traction Power Supply System. , 2010, , .		1
77	Research on Application of Novel Harmonic Suppression Rectifier Transformer and Its Filter System in the Electrolysis Rectifier System. , 2010, , .		3
78	Study on Characteristic Parameters of a New Converter Transformer for HVDC Systems. IEEE Transactions on Power Delivery, 2009, 24, 2125-2131.	2.9	43
79	The new converter transformer's short-circuit fault calculation based on phase-coordinate method. , 2009, , .		0
80	A New Converter Transformer and a Corresponding Inductive Filtering Method for HVDC Transmission System. IEEE Transactions on Power Delivery, 2008, 23, 1426-1431.	2.9	68
81	Harmonic characteristics of new HVDC transmission system based on new converter transformer. , 2008, , .		13
82	Transient response characteristics of new HVDC transmission system based on new converter transformer. , 2008, , .		8
83	The mathematical model of new converter transformer based on polymorphic phase-coordinate method. , 2008, , .		3
84	Multi-purpose balanced transformer with harmonic eliminating capability for railway traction applications. , 2008, , .		1
85	Influence analysis of Compensation Factor at the valve side on HVDC transmission system based on filter commutated converter. , 2008, , .		1
86	Transient Simulation of the AC/DC System Based on the New-type Converter Transformer. , 2006, , .		3
87	Analysis of nonlinear electric field of hvdc wall bushing with a finite element approach. Open Physics, 2005, 3, .	0.8	0
88	A practical microcomputer system for single-phase brushless DC motor. , 0, , .		0