Lei Huang

List of Publications by Year
in descending order

46 papers	436 citations	840776 11 h-index	794594 19 g-index
46 all docs	46 docs citations	46 times ranked	444 citing authors

#	Article	IF	Citations
1	Research on a Tubular Primary Permanent-Magnet Linear Generator for Wave Energy Conversions. IEEE Transactions on Magnetics, 2013, 49, 1917-1920.	2.1	67
2	Design and Experimental Analysis of AC Linear Generator With Halbach PM Arrays for Direct-Drive Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	36
3	Auto Regressive Moving Average (ARMA) Modeling Method for Gyro Random Noise Using a Robust Kalman Filter. Sensors, 2015, 15, 25277-25286.	3.8	31
4	Research on a Direct-Drive Wave Energy Converter Using an Outer-PM Linear Tubular Generator. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	27
5	Design and Analysis of a Field-Modulated Tubular Linear Permanent Magnet Generator for Direct-Drive Wave Energy Conversion. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	24
6	Numerical Analysis of 3D Eddy Current Fields in Laminated Media Under Various Frequencies. IEEE Transactions on Magnetics, 2012, 48, 267-270.	2.1	22
7	A Study on a Linear Magnetic-Geared Interior Permanent Magnet Generator for Direct-Drive Wave Energy Conversion. Energies, 2016, 9, 487.	3.1	20
8	A Turn Fault Mitigation Strategy Based on Current Injection Technique for a Triple Three-Phase PMA SynRM. IEEE Transactions on Industrial Electronics, 2020, 67, 2511-2522.	7.9	19
9	Design and experiment of a direct€drive wave energy converter using outer€PM linear tubular generator. IET Renewable Power Generation, 2017, 11, 353-360.	3.1	18
10	Research on Primary Excitation Fully Superconducting Linear Generators for Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	17
11	A Stator-PM Transverse Flux Permanent Magnet Linear Generator for Direct Drive Wave Energy Converter. IEEE Access, 2021, 9, 9949-9957.	4.2	14
12	Coil Shape Optimization for Superconducting Wind Turbine Generator Using Response Surface Methodology and Particle Swarm Optimization. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	11
13	Study on the Characteristics of a Novel Six-Phase Fault-Torrent Linear Permanent Magnet Machine for Linear Oil Pumping. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	9
14	Electromagnetic Design of a 10-kW-Class Flux-Switching Linear Superconducting Hybrid Excitation Generator for Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6.	1.7	9
15	Novel Time Series Modeling Methods for Gyro Random Noise Used in Internet of Things. IEEE Access, 2018, 6, 47911-47921.	4.2	8
16	Sensitivity Analysis and Optimal Design of a Linear Magnetic Gear for Direct-Drive Wave Energy Conversion. IEEE Access, 2019, 7, 73983-73992.	4.2	8
17	A Robot Pose Estimation Optimized Visual SLAM Algorithm Based on CO-HDC Instance Segmentation Network for Dynamic Scenes. Remote Sensing, 2022, 14, 2114.	4.0	8
18	Network€based precise tracking control of systems subject to stochastic failure and non€zero input. IET Control Theory and Applications, 2013, 7, 1370-1376.	2.1	7

#	Article	IF	Citations
19	Research on an Axial Maglev Device With Primary Superconductive Coils for a 1000 MW Hydraulic Generator Set. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6.	1.7	7
20	A Novel Multiface Recognition Method With Short Training Time and Lightweight Based on ABASNet and H-Softmax. IEEE Access, 2020, 8, 175370-175384.	4.2	7
21	Study of Axial-Flux-Type Superconducting Eddy-Current Couplings. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	6
22	A Spiral Translator Permanent Magnet Transverse Flux Linear Generator Used in Direct-Drive Wave Energy Converter. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	6
23	Analyzing and modeling of dynamic magnetic suspension plate in the electromagnetic launcher. , 2012, , .		5
24	Study on a long primary flux-switching permanent magnet linear motor for electromagnetic launch systems. , 2012, , .		5
25	Optimal Sculling Velocity Algorithms for the Gyros With Angular Rate Output. IEEE Access, 2018, 6, 66072-66081.	4.2	5
26	Analysis of Magnetic Gearing Effect in Field-Modulated Transverse Flux Linear Generator for Direct Drive Wave Energy Conversion. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	5
27	The One-Stage Detector Algorithm Based on Background Prediction and Group Normalization for Vehicle Detection. Applied Sciences (Switzerland), 2020, 10, 5883.	2.5	4
28	Analysis and Verification of a Cogging Torque Reduction Method for Variable Flux Memory Permanent Magnet Machine. Electronics (Switzerland), 2021, 10, 1913.	3.1	4
29	Research on a field-modulated linear permanent-magnet generator for wave energy conversion. , 2017, , .		3
30	Strapdown Sculling Velocity Algorithms Using Novel Input Combinations. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	3
31	New method to analyse delay of DDS and MMS in substation communication. IET Communications, 2020, 14, 2794-2801.	2.2	3
32	Resonance Control Based on Hydrodynamic Analysis for Underwater Direct Drive Wave Energy Converter. Journal of Marine Science and Engineering, 2021, 9, 1192.	2.6	3
33	Spatial-temporal dynamic semantic graph neural network. Neural Computing and Applications, 2022, 34, 16655-16668.	5.6	3
34	Design and Analysis of a Superconducting Induction Magnetic Levitation Device for Vertical Hydraulic Generator. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
35	Analytical Modeling and Performance Study of a Piezoelectric Laminated Annular Plate for Rotary Energy Harvesting. IEEE Access, 2020, 8, 214966-214977.	4.2	2
36	Research on Power Distribution of Hybrid Energy Storage for Direct Drive Wave Power Generation System to Stabilize Power Fluctuations. , 2021, , .		2

#	Article	IF	Citations
37	Research on a direct-drive wave energy converter using Outer-PM linear tubular generator. , 2016, , .		1
38	Design and analysis of a linear continuous magnetic gear generator for direct-drive wave energy conversion. , 2016, , .		1
39	DDS‐based protocol‐compatible communication platform for mining power system. IET Communications, 2020, 14, 158-164.	2.2	1
40	Thrust Performance Improvement of Field-modulated Hybrid Excitation Permanent Magnet Transverse Flux Linear Generator Based on Partitioned Staggered Translator. , 2021, , .		1
41	A Linear-Rotating Axial Flux Permanent Magnet Generator for Direct Drive Wave Energy Conversion. , 2021, , .		1
42	A Hybrid Excitation Axial Flux Permanent Magnet Generator for Direct Drive Wave Energy Conversion. , 2021, , .		1
43	Electromagnetic-fluid-thermal field Calculation and analysis of a permanent magnet linear motor. , 2016, , .		0
44	Design and analysis of a superconducting induction magnetic levitation device for hydraulic turbo-generator. , 2016, , .		0
45	Thermal Analysis of Open-Circuit Steady-State MgB$_2$ Superconducting Synchronous Generator Based on Multiphysical Field Coupling. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	0
46	A Single-Side Disc Motor with Independent Controllable Excitation Magnetic Poles for Wind Turbine Yaw System. , 2019, , .		0