

Yu-Ling He

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Initial parameter guided variational mode extraction for damage detection of wind turbine bearing. Structural Health Monitoring, 2023, 22, 1515-1542.	7.5	1
2	A Novel Universal Model Considering SAGE for MFD-Based Faulty Property Analysis Under RISC in Synchronous Generators. IEEE Transactions on Industrial Electronics, 2022, 69, 7415-7427.	7.9	12
3	A novel hybrid approach for damage identification of wind turbine bearing under variable speed condition. Mechanism and Machine Theory, 2022, 169, 104629.	4.5	11
4	Impact of Static Air-Gap Eccentricity on Thermal Responses of Stator Winding Insulation in Synchronous Generators. IEEE Transactions on Industrial Electronics, 2022, 69, 13544-13554.	7.9	6
5	Performance Entitlement by Using Novel High Strength Electrical Steels and Copper Alloys for High-Speed Laminated Rotor Induction Machines. Electronics (Switzerland), 2022, 11, 210.	3.1	4
6	Impact of Actual Wind Speed Distribution on the Fault Characteristic of DFIG Rotor Winding Asymmetry. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	5
7	Electromagnetic Torque Fluctuating Properties under Dynamic RISC Fault in Turbogenerators. Energies, 2022, 15, 3821.	3.1	0
8	Electromechanical Characteristics Analysis under DSISC Fault in Synchronous Generators. Machines, 2022, 10, 432.	2.2	1
9	Impact of Stator Interturn Short Circuit Position on End Winding Vibration in Synchronous Generators. IEEE Transactions on Energy Conversion, 2021, 36, 713-724.	5.2	20
10	A New External Search Coil Based Method to Detect Detailed Static Air-Gap Eccentricity Position in Nonsalient Pole Synchronous Generators. IEEE Transactions on Industrial Electronics, 2021, 68, 7535-7544.	7.9	24
11	Teager energy spectral kurtosis of wavelet packet transform and its application in locating the sound source of fault bearing of belt conveyor. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108367.	5.0	35
12	Lkurtogram Guided Adaptive Empirical Wavelet Transform and Purified Instantaneous Energy Operation for Fault Diagnosis of Wind Turbine Bearing. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-19.	4.7	5
13	Effect of Static Rotor Eccentricity on End Winding Forces and Vibration Wearing. International Journal of Rotating Machinery, 2021, 2021, 1-14.	0.8	2
14	A 1.5D Spectral Kurtosis-Guided TQWT Method and Its Application in Bearing Fault Detection. Shock and Vibration, 2021, 2021, 1-14.	0.6	2
15	A Hybrid Method to Diagnose 3D Rotor Eccentricity Faults in Synchronous Generators Based on ALIF_PE and KFCM. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	3
16	Fault Diagnosis of Wind Turbine Bearing Based on Optimized Adaptive Chirp Mode Decomposition. IEEE Sensors Journal, 2021, 21, 13649-13666.	4.7	19
17	Remote Vibration Monitoring and Fault Diagnosis System of Synchronous Motor Based on Internet of Things Technology. Mobile Information Systems, 2021, 2021, 1-10.	0.6	3
18	Rotor loss and temperature variation under single and combined faults composed of static air-gap eccentricity and rotor interturn short circuit in synchronous generators. IET Electric Power Applications, 2021, 15, 1529-1546.	1.8	8

#	ARTICLE	IF	CITATIONS
19	A bearing fault diagnosis method based on multiscale dispersion entropy and GG clustering. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110023.	5.0	18
20	Impact of the Field Winding Interturn Short-Circuit Position on Rotor Vibration Properties in Synchronous Generators. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	3
21	Effect of Pole Number on Generator End Winding Electromagnetic Force and Mechanical Response before and after RISC. International Journal of Rotating Machinery, 2021, 2021, 1-11.	0.8	3
22	Rotor Unbalanced Magnetic Pull Characteristics Properties in Synchronous Generators Due to Dynamic Air-gap Eccentricity Faults. , 2021, , .		0
23	Electromagnetic Force and Mechanical Response of Turbo-Generator End Winding under Electromechanical Faults. Mathematical Problems in Engineering, 2021, 2021, 1-19.	1.1	4
24	Effect of Rotor Interturn Short circuit degree and position on Stator Circulating Current inside Parallel Branches in Generators. , 2021, , .		2
25	Detection of Ending Winding Wear Regulation Acting by Electromagnetic Force in Synchronous Generators under both SISC and SAGE Conditions. , 2021, , .		3
26	Weak fault diagnosis of rolling bearings based on singular spectrum decomposition, optimal Lucyâ€Richardson deconvolution and speed transform. Measurement Science and Technology, 2020, 31, 015008.	2.6	7
27	Bearing Fault Diagnosis Based on Iterative 1.5-Dimensional Spectral Kurtosis. IEEE Access, 2020, 8, 174233-174243.	4.2	6
28	Research on Stator-Core Temperature Characteristics under Static Air-Gap Eccentricity in Turbo-generator. , 2020, , .		2
29	PSS Parameter Optimization Based on Comprehensive Damping Effect Method Aiming at Actual Grid Characteristics in Northern China. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	1
30	Enhanced Characteristic Vibration Signal Detection of Generator Based on Time-Wavelet Energy Spectrum and Multipoint Optimal Minimum Entropy Deconvolution Adjusted Method. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	1
31	Impact of Single and Combined Faults Composed of Rotor Eccentricity and Stator Interturn Short Circuit on Electromagnetic Torque Ripples in Synchronous Generator. Complexity, 2020, 2020, 1-21.	1.6	8
32	Mechanical strength analysis and optimization of metallic sleeve in high-speed permanent magnet synchronous machines. International Journal of Applied Electromagnetics and Mechanics, 2020, 63, 343-359.	0.6	4
33	Rotor UMP characteristics and vibration properties in synchronous generator due to 3D static airâ€gap eccentricity faults. IET Electric Power Applications, 2020, 14, 961-971.	1.8	15
34	Application of RSSD-OCYCBD Strategy in Enhanced Fault Detection of Rolling Bearing. Complexity, 2020, 2020, 1-24.	1.6	5
35	Weak fault detection for wind turbine bearing based on ACYCBD and IESB. Journal of Mechanical Science and Technology, 2020, 34, 1399-1413.	1.5	22
36	Electromagnetic Forces and Mechanical Responses of Stator Windings before and after Rotor Interturn Short Circuit in Synchronous Generators. Mathematical Problems in Engineering, 2020, 2020, 1-19.	1.1	18

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37	Gearbox Fault Diagnosis Based on Hierarchical Instantaneous Energy Density Dispersion Entropy and Dynamic Time Warping. <i>Entropy</i> , 2019, 21, 593.	2.2	18
38	Weak Fault Feature Extraction and Enhancement of Wind Turbine Bearing Based on OCYCBD and SVDD. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3706.	2.5	13
39	Effect of 3D Unidirectional and Hybrid SAGE on Electromagnetic Torque Fluctuation Characteristics in Synchronous Generator. <i>IEEE Access</i> , 2019, 7, 100813-100823.	4.2	16
40	Evaluation of Dynamic and Static Eccentric Faults in Turbo Generator. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2019, 14, 1262-1272.	1.4	2
41	A New Hybrid Model for Electromechanical Characteristic Analysis under SISC in Synchronous Generators. <i>IEEE Transactions on Industrial Electronics</i> , 2019, , 1-1.	7.9	12
42	A Robust Framework Design of IoT Monitoring Device for Power Distribution Network. , 2019, , .		2
43	Rotor UMP & Mechanical Response in HSPMSM in Typical Running Conditions. , 2019, , .		3
44	Weak fault diagnosis of rolling bearing under variable speed condition using IEWT-based enhanced envelope order spectrum. <i>Measurement Science and Technology</i> , 2019, 30, 035003.	2.6	19
45	Effect of Field Winding Inter-Turn Short-Circuit Positions on Rotor UMP of Turbo-Generator. , 2018, , .		0
46	Mechanical Response Before and After Rotor Inter-turn Short-circuit Fault on Stator Windings in Synchronous Generator. , 2018, , .		7
47	Hybrid Fault Diagnosis Method Based on Mechanical-Electrical Intersectional Characteristics for Generators. , 2018, , .		0
48	A Comprehensive Analysis on Transient Electromagnetic Force Behavior of Stator Windings in Turbo-Generator. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-16.	1.1	5
49	A New Hybrid PSS Optimization Method Based on Improved Active Set Algorithm. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-9.	1.1	2
50	Chinese National Condition Based Power Dispatching Optimization in Microgrids. <i>Journal of Control Science and Engineering</i> , 2018, 2018, 1-11.	1.0	3
51	Rolling Bearing Fault Diagnosis Based on Optimal Notch Filter and Enhanced Singular Value Decomposition. <i>Entropy</i> , 2018, 20, 482.	2.2	15
52	Research on singular spectrum decomposition and its application to rotor failure detection. <i>Journal of Vibroengineering</i> , 2018, 20, 2336-2351.	1.0	2
53	Enhanced Detection of Characteristic Vibration Signal of Generator Based on Self-Adapted Multi-Scale Top-Hat Transformation. <i>Recent Advances in Electrical and Electronic Engineering</i> , 2018, 11, 418-424.	0.3	2
54	Analysis on Steady-State Electromagnetic Characteristics and Online Monitoring Method of Stator Inter-Turn Short Circuit of Turbo-Generator. <i>Electric Power Components and Systems</i> , 2017, 45, 198-210.	1.8	14

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55	Sensor configuring optimization for grid harmonic monitoring based on improved PSO algorithm. , 2017, , .		0
56	A method for enhancing detection on characteristic vibration signal of generator. , 2017, , .		0
57	Time-Frequency Analysis Based on Improved Variational Mode Decomposition and Teager Energy Operator for Rotor System Fault Diagnosis. Mathematical Problems in Engineering, 2016, 2016, 1-9.	1.1	17
58	A Novel Method of Fault Diagnosis for Rolling Bearing Based on Dual Tree Complex Wavelet Packet Transform and Improved Multiscale Permutation Entropy. Mathematical Problems in Engineering, 2016, 2016, 1-13.	1.1	18
59	Stator Vibration Characteristic Identification of Turbogenerator among Single and Composite Faults Composed of Static Air-Gap Eccentricity and Rotor Interturn Short Circuit. Shock and Vibration, 2016, 2016, 1-14.	0.6	14
60	An Effective Gear Fault Diagnosis Method Based on Singular Value Decomposition and Frequency Slice Wavelet Transform. International Journal of Rotating Machinery, 2016, 2016, 1-8.	0.8	2
61	Impact of Different Static Air-Gap Eccentricity Forms on Rotor UMP of Turbogenerator. Mathematical Problems in Engineering, 2016, 2016, 1-13.	1.1	15
62	A hybrid positioning approach based on mechanical calculus model and grid simulation for drifting debris. Ocean and Coastal Management, 2016, 130, 21-29.	4.4	1
63	Rolling bearing fault diagnosis based on variational mode decomposition and permutation entropy. , 2016, , .		8
64	Analysis and Simulation on the Effect of Rotor Interturn Short Circuit on Magnetic Flux Density of Turbo-Generator. Journal of Electrical Engineering, 2016, 67, 323-333.	0.7	11
65	Diagnosis of compound faults of rolling bearings through adaptive maximum correlated kurtosis deconvolution. Journal of Mechanical Science and Technology, 2016, 30, 43-54.	1.5	69
66	United Electromagnetic Characteristics and Online Monitoring Method of Static Air-gap Eccentricity of Turbo-Generator. Journal of Electrical Engineering and Technology, 2016, 11, 1614-1627.	2.0	4
67	EFFECT OF STATIC ECCENTRICITY AND STATOR INTER-TURN SHORT CIRCUIT COMPOSITE FAULT ON ROTOR VIBRATION CHARACTERISTICS OF GENERATOR. Transactions of the Canadian Society for Mechanical Engineering, 2015, 39, 767-781.	0.8	18
68	Analysis and Simulation on UMP and EMT Characters of Turbogenerator under Axial Air-Gap Eccentricity. International Journal of Rotating Machinery, 2015, 2015, 1-10.	0.8	3
69	Rotor Vibration Difference Among the Single and the Combined Faults Composed by Static Air-Gap Eccentricity and Rotor Interturn Short Circuit. Mechanisms and Machine Science, 2015, , 637-648.	0.5	1
70	EFFECT OF INTERNAL POWER-ANGLE ON TURBO-GENERATOR ROTOR VIBRATION CHARACTERISTICS UNDER ECCENTRICITY FAULTS. Transactions of the Canadian Society for Mechanical Engineering, 2014, 38, 63-79.	0.8	2
71	Investigation on stator vibration characteristics under air-gap eccentricity and rotor short circuit composite faults. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2014, 36, 511-522.	1.6	14
72	INVESTIGATION ON STATOR AND ROTOR VIBRATION CHARACTERISTICS OF TURBO-GENERATOR UNDER AIR GAP ECCENTRICITY FAULT. Transactions of the Canadian Society for Mechanical Engineering, 2011, 35, 161-176.	0.8	19

#	ARTICLE	IF	CITATIONS
73	Investigation on Stator Circulating Current Characteristics of Turbogenerators under Air Gap Eccentricity and Rotor Short-circuit Composite Faults. <i>Electric Power Components and Systems</i> , 2010, 38, 900-917.	1.8	12