

Yu-Ling He

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Diagnosis of compound faults of rolling bearings through adaptive maximum correlated kurtosis deconvolution. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 43-54.	1.5	69
2	Teager energy spectral kurtosis of wavelet packet transform and its application in locating the sound source of fault bearing of belt conveyor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108367.	5.0	35
3	A New External Search Coil Based Method to Detect Detailed Static Air-Gap Eccentricity Position in Nonsalient Pole Synchronous Generators. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 7535-7544.	7.9	24
4	Weak fault detection for wind turbine bearing based on ACYCBD and IESB. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 1399-1413.	1.5	22
5	Impact of Stator Interturn Short Circuit Position on End Winding Vibration in Synchronous Generators. <i>IEEE Transactions on Energy Conversion</i> , 2021, 36, 713-724.	5.2	20
6	INVESTIGATION ON STATOR AND ROTOR VIBRATION CHARACTERISTICS OF TURBO-GENERATOR UNDER AIR GAP ECCENTRICITY FAULT. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2011, 35, 161-176.	0.8	19
7	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
8	Fault Diagnosis of Wind Turbine Bearing Based on Optimized Adaptive Chirp Mode Decomposition. <i>IEEE Sensors Journal</i> , 2021, 21, 13649-13666.	4.7	19
9	EFFECT OF STATIC ECCENTRICITY AND STATOR INTER-TURN SHORT CIRCUIT COMPOSITE FAULT ON ROTOR VIBRATION CHARACTERISTICS OF GENERATOR. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2015, 39, 767-781.	0.8	18
10	A Novel Method of Fault Diagnosis for Rolling Bearing Based on Dual Tree Complex Wavelet Packet Transform and Improved Multiscale Permutation Entropy. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-13.	1.1	18
11	Gearbox Fault Diagnosis Based on Hierarchical Instantaneous Energy Density Dispersion Entropy and Dynamic Time Warping. <i>Entropy</i> , 2019, 21, 593.	2.2	18
12	A bearing fault diagnosis method based on multiscale dispersion entropy and GG clustering. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 185, 110023.	5.0	18
13	Electromagnetic Forces and Mechanical Responses of Stator Windings before and after Rotor Interturn Short Circuit in Synchronous Generators. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-19.	1.1	18
14	Time-Frequency Analysis Based on Improved Variational Mode Decomposition and Teager Energy Operator for Rotor System Fault Diagnosis. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-9.	1.1	17
15	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
16	Impact of Different Static Air-Gap Eccentricity Forms on Rotor UMP of Turbogenerator. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-13.	1.1	15
17	Rolling Bearing Fault Diagnosis Based on Optimal Notch Filter and Enhanced Singular Value Decomposition. <i>Entropy</i> , 2018, 20, 482.	2.2	15
18	Rotor UMP characteristics and vibration properties in synchronous generator due to 3D static air-gap eccentricity faults. <i>IET Electric Power Applications</i> , 2020, 14, 961-971.	1.8	15

#	ARTICLE	IF	CITATIONS
19	Investigation on stator vibration characteristics under air-gap eccentricity and rotor short circuit composite faults. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2014, 36, 511-522.	1.6	14
20	Stator Vibration Characteristic Identification of Turbogenerator among Single and Composite Faults Composed of Static Air-Gap Eccentricity and Rotor Interturn Short Circuit. <i>Shock and Vibration</i> , 2016, 1-14.	0.6	14
21	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
22	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
23	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
24	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
25	A Novel Universal Model Considering SAGE for MFD-Based Faulty Property Analysis Under RISC in Synchronous Generators. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 7415-7427.	7.9	12
26	Analysis and Simulation on the Effect of Rotor Interturn Short Circuit on Magnetic Flux Density of Turbo-Generator. <i>Journal of Electrical Engineering</i> , 2016, 67, 323-333.	0.7	11
27	A novel hybrid approach for damage identification of wind turbine bearing under variable speed condition. <i>Mechanism and Machine Theory</i> , 2022, 169, 104629.	4.5	11
28	Rolling bearing fault diagnosis based on variational mode decomposition and permutation entropy. , 2016, , .		8
29	Impact of Single and Combined Faults Composed of Rotor Eccentricity and Stator Interturn Short Circuit on Electromagnetic Torque Ripples in Synchronous Generator. <i>Complexity</i> , 2020, 2020, 1-21.	1.6	8
30	Rotor loss and temperature variation under single and combined faults composed of static air-gap eccentricity and rotor interturn short circuit in synchronous generators. <i>IET Electric Power Applications</i> , 2021, 15, 1529-1546.	1.8	8
31	Mechanical Response Before and After Rotor Inter-turn Short-circuit Fault on Stator Windings in Synchronous Generator. , 2018, , .		7
32	Weak fault diagnosis of rolling bearings based on singular spectrum decomposition, optimal Lucy-Richardson deconvolution and speed transform. <i>Measurement Science and Technology</i> , 2020, 31, 015008.	2.6	7
33	Bearing Fault Diagnosis Based on Iterative 1.5-Dimensional Spectral Kurtosis. <i>IEEE Access</i> , 2020, 8, 174233-174243.	4.2	6
34	Impact of Static Air-Gap Eccentricity on Thermal Responses of Stator Winding Insulation in Synchronous Generators. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 13544-13554.	7.9	6
35	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
36	Application of RSSD-OCYCBD Strategy in Enhanced Fault Detection of Rolling Bearing. <i>Complexity</i> , 2020, 2020, 1-24.	1.6	5

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37	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
38	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
39	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
40	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
41	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
42	Electromagnetic Force and Mechanical Response of Turbo-Generator End Winding under Electromechanical Faults. Mathematical Problems in Engineering, 2021, 2021, 1-19.	1.1	4
43	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
44	Chinese National Condition Based Power Dispatching Optimization in Microgrids. Journal of Control Science and Engineering, 2018, 2018, 1-11.	1.0	3
45	Rotor UMP & Mechanical Response in HSPMSM in Typical Running Conditions. , 2019, , .		3
46	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
47	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
48	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
49	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
50	Detection of Ending Winding Wear Regulation Acting by Electromagnetic Force in Synchronous Generators under both SISC and SAGE Conditions. , 2021, , .		3
51	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
52	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
53	A New Hybrid PSS Optimization Method Based on Improved Active Set Algorithm. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	2
54	Evaluation of Dynamic and Static Eccentric Faults in Turbo Generator. IEEE Transactions on Electrical and Electronic Engineering, 2019, 14, 1262-1272.	1.4	2

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55	A Robust Framework Design of IoT Monitoring Device for Power Distribution Network. , 2019, , .		2
56	Research on Stator-Core Temperature Characteristics under Static Air-Gap Eccentricity in Turbo-generator. , 2020, , .		2
57	Effect of Static Rotor Eccentricity on End Winding Forces and Vibration Wearing. International Journal of Rotating Machinery, 2021, 2021, 1-14.	0.8	2
58	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
59	Research on singular spectrum decomposition and its application to rotor failure detection. Journal of Vibroengineering, 2018, 20, 2336-2351.	1.0	2
60	Enhanced Detection of Characteristic Vibration Signal of Generator Based on Self-Adapted Multi-Scale Top-Hat Transformation. Recent Advances in Electrical and Electronic Engineering, 2018, 11, 418-424.	0.3	2
61	Effect of Rotor Interturn Short circuit degree and position on Stator Circulating Current inside Parallel Branches in Generators. , 2021, , .		2
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	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
64	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
65	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
66	Electromechanical Characteristics Analysis under DSISC Fault in Synchronous Generators. Machines, 2022, 10, 432.	2.2	1
67	Initial parameter guided variational mode extraction for damage detection of wind turbine bearing. Structural Health Monitoring, 2023, 22, 1515-1542.	7.5	1
68	Sensor configuring optimization for grid harmonic monitoring based on improved PSO algorithm. , 2017, , .		0
69	Effect of Field Winding Inter-Turn Short-Circuit Positions on Rotor UMP of Turbo-Generator. , 2018, , .		0
70	Hybrid Fault Diagnosis Method Based on Mechanical-Electrical Intersectional Characteristics for Generators. , 2018, , .		0
71	A method for enhancing detection on characteristic vibration signal of generator. , 2017, , .		0
72	Rotor Unbalanced Magnetic Pull Characteristics Properties in Synchronous Generators Due to Dynamic Air-gap Eccentricity Faults. , 2021, , .		0

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73	Electromagnetic Torque Fluctuating Properties under Dynamic RISC Fault in Turbogenerators. Energies, 2022, 15, 3821.	3.1	0