

Ming J. Zuo

List of Publications by Year in descending order

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324
papers

16,176
citations

14644

66
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20943

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all docs

331
docs citations

331
times ranked

7286
citing authors

#	ARTICLE	IF	CITATIONS
1	False Lipschitz Penalty Sparse Low-Rank Matrix and Chaotic Bionic Optimization for Prognosis of Bearing Degradation. IEEE Transactions on Reliability, 2024, , 1-17.	3.5	0
2	An improved Kriging-based approach for system reliability analysis with multiple failure modes. Engineering With Computers, 2022, 38, 1813-1833.	3.5	13
3	A multi-state k-out-of-n:F balanced system with a rebalancing mechanism. Quality and Reliability Engineering International, 2022, 38, 2908-2920.	1.4	7
4	Improved Hilbert-Huang transform with soft sifting stopping criterion and its application to fault diagnosis of wheelset bearings. ISA Transactions, 2022, 125, 426-444.	3.1	35
5	Development of crack induced impulse-based condition indicators for early tooth crack severity assessment. Mechanical Systems and Signal Processing, 2022, 165, 108327.	4.4	12
6	A sparse multivariate time series model-based fault detection method for gearboxes under variable speed condition. Mechanical Systems and Signal Processing, 2022, 167, 108539.	4.4	26
7	An image-based feature extraction method for fault diagnosis of variable-speed rotating machinery. Mechanical Systems and Signal Processing, 2022, 167, 108524.	4.4	12
8	Physics-Informed LSTM hyperparameters selection for gearbox fault detection. Mechanical Systems and Signal Processing, 2022, 171, 108907.	4.4	71
9	Normalization of gearbox vibration signal for tooth crack diagnosis under variable speed conditions. Quality and Reliability Engineering International, 2022, 38, 3072-3098.	1.4	3
10	Scaling-Basis Chirplet Transform. IEEE Transactions on Industrial Electronics, 2021, 68, 8777-8788.	5.2	60
11	Multiperformance Measure Multistate Systems: General Definitions and Concepts. IEEE Transactions on Reliability, 2021, 70, 2-12.	3.5	7
12	Bearing fault diagnosis based on flexible analytical wavelet transform and fuzzy entropy approach. Materials Today: Proceedings, 2021, 43, 629-635.	0.9	15
13	An improved phenomenological model of vibrations for planetary gearboxes. Journal of Sound and Vibration, 2021, 496, 115919.	2.1	15
14	Planetary Gearbox Dynamic Modeling Considering Bearing Clearance and Sun Gear Tooth Crack. Sensors, 2021, 21, 2638.	2.1	13
15	Sinusoidal FM patterns of fault-related vibration signals for planetary gearbox fault detection under non-stationary conditions. Mechanical Systems and Signal Processing, 2021, 155, 107623.	4.4	12
16	Optimum component reassignment for balanced systems with multi-state components operating in a shock environment. Reliability Engineering and System Safety, 2021, 210, 107514.	5.1	25
17	A time series model-based method for gear tooth crack detection and severity assessment under random speed variation. Mechanical Systems and Signal Processing, 2021, 156, 107605.	4.4	38
18	Weighted domain adaptation networks for machinery fault diagnosis. Mechanical Systems and Signal Processing, 2021, 158, 107744.	4.4	58

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19	System reliability and system resilience. <i>Frontiers of Engineering Management</i> , 2021, 8, 615-619.	3.3	33
20	Optimal mission abort policy with multiple abort criteria for a balanced system with multi-state components. <i>Computers and Industrial Engineering</i> , 2021, 160, 107544.	3.4	25
21	Time Series Modelling of Non-stationary Vibration Signals for Gearbox Fault Diagnosis. , 2021, , 337-354.		1
22	An improved model for dependent competing risks considering continuous degradation and random shocks. <i>Reliability Engineering and System Safety</i> , 2020, 193, 106641.	5.1	36
23	A general discrete degradation model with fatal shocks and age- and state-dependent nonfatal shocks. <i>Reliability Engineering and System Safety</i> , 2020, 193, 106648.	5.1	23
24	Predicting Remaining Useful Life of Rolling Bearings Based on Deep Feature Representation and Transfer Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 1594-1608.	2.4	197
25	An improved singular value decomposition-based method for gear tooth crack detection and severity assessment. <i>Journal of Sound and Vibration</i> , 2020, 468, 115068.	2.1	31
26	Railway bearing and cardan shaft fault diagnosis via an improved morphological filter. <i>Structural Health Monitoring</i> , 2020, 19, 1471-1486.	4.3	33
27	Prognosis of Bearing Degeneration Using Adaptive Quaternion Least Mean Biquadrate Under Framework of Hypercomplex Data. <i>IEEE Sensors Journal</i> , 2020, 20, 2659-2670.	2.4	9
28	AK-PDF: An active learning method combining kriging and probability density function for efficient reliability analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2020, 234, 536-549.	0.6	9
29	Wind Turbine Power Output Estimation with Probabilistic Power Curves. , 2020, , .		1
30	Dynamic modeling of a planetary gear system with sun gear crack under gravity and carrier-ring clearance. <i>Procedia Manufacturing</i> , 2020, 49, 55-60.	1.9	7
31	Health Index Development for a Planetary Gearbox. <i>Procedia Manufacturing</i> , 2020, 49, 155-159.	1.9	1
32	Virtual rotating speed meter: extracting machinery rotating speed from vibration signals based on deep learning and transfer learning. , 2020, , .		0
33	Optimal structure screening for large-scale multi-state series-parallel systems based on structure ordinal optimization. <i>IISE Transactions</i> , 2020, , 1-13.	1.6	0
34	Modelling of Inspection Cycles for Power Distribution Transformers. , 2020, , .		0
35	Study on A Special Category of FM Signals with Applications to Planetary Gearbox Fault Diagnosis under Non-stationary Conditions. , 2020, , .		0
36	A sparse FP-VAR model for representing multichannel non-stationary baseline vibration signals from a gearbox. , 2020, , .		1

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37	Normalization of gearbox vibration signal for tracking tooth crack severity progression under time-varying operating conditions. , 2020, , .		1
38	Dynamic Modeling of a Planetary Gearbox with Sun Gear Crack and Bearing Clearance. , 2020, , .		1
39	Use of Autoregressive Conditional Heteroskedasticity Model to Assess Gear Tooth Surface Roughness. , 2020, , .		2
40	Adversarial Domain Adaptation for Gear Crack Level Classification Under Variable Load. , 2020, , .		1
41	Motion periods of sun gear dynamic fault meshing positions in planetary gear systems. Measurement: Journal of the International Measurement Confederation, 2020, 162, 107897.	2.5	18
42	Multibranch and Multiscale CNN for Fault Diagnosis of Wheelset Bearings Under Strong Noise and Variable Load Condition. IEEE Transactions on Industrial Informatics, 2020, 16, 4949-4960.	7.2	158
43	A deep bi-directional long short-term memory model for automatic rotating speed extraction from raw vibration signals. Measurement: Journal of the International Measurement Confederation, 2020, 158, 107719.	2.5	20
44	Corrections to "Prognosis of Bearing Degeneration Using Adaptive Quaternion Least Mean Biquadrate Under Framework of Hypercomplex Data"[Mar 20 2659-2670]. IEEE Sensors Journal, 2020, 20, 10316-10316.	2.4	0
45	Sparse time series modeling of the baseline vibration from a gearbox under time-varying speed condition. Mechanical Systems and Signal Processing, 2019, 134, 106342.	4.4	37
46	Early gear tooth crack detection based on singular value decomposition. , 2019, , .		0
47	A bibliometric analysis of process system failure and reliability literature. Engineering Failure Analysis, 2019, 106, 104152.	1.8	19
48	Optimizing wind farm layout by addressing energy-variance trade-off: A single-objective optimization approach. Energy, 2019, 189, 116149.	4.5	14
49	A Decision-making Model for Corrective Maintenance of Offshore Wind Turbines Considering Uncertainties. Energies, 2019, 12, 1408.	1.6	16
50	Approximate Reliability Evaluation of Large-Scale Multistate Series-Parallel Systems. IEEE Transactions on Reliability, 2019, 68, 539-553.	3.5	18
51	ACCUGRAM: A novel approach based on classification to frequency band selection for rotating machinery fault diagnosis. ISA Transactions, 2019, 95, 346-357.	3.1	30
52	A New Subtraction-Based Algorithm for the $\langle i \rangle$ -MPs for All $\langle i \rangle$ Problem. IEEE Transactions on Reliability, 2019, 68, 999-1008.	3.5	11
53	Preface: reliability and quality management in stochastic systems. Annals of Operations Research, 2019, 277, 1-2.	2.6	29
54	Convolutional Neural Networks for Fault Diagnosis Using Rotating Speed Normalized Vibration. Applied Condition Monitoring, 2019, , 67-76.	0.4	7

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55	Modeling of the safe region based on support vector data description for health assessment of wheelset bearings. Applied Mathematical Modelling, 2019, 73, 19-39.	2.2	15
56	Investigation of Gear Dynamic Characteristics under Stochastic External Excitations. IOP Conference Series: Materials Science and Engineering, 2019, 576, 012013.	0.3	2
57	Efficient analytical method to obtain the responses of a gear model with stochastic load and stochastic friction. IOP Conference Series: Materials Science and Engineering, 2019, 542, 012063.	0.3	1
58	An Efficient Algorithm for Finding Modules in Fault Trees. IEEE Transactions on Reliability, 2019, , 1-13.	3.5	3
59	Induction Motor Stator Current AM-FM Model and Demodulation Analysis for Planetary Gearbox Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2019, 15, 2386-2394.	7.2	47
60	A fault diagnosis method for planetary gearboxes under non-stationary working conditions using improved Vold-Kalman filter and multi-scale sample entropy. Journal of Sound and Vibration, 2019, 439, 271-286.	2.1	93
61	Efficient reliability analysis based on adaptive sequential sampling design and cross-validation. Applied Mathematical Modelling, 2018, 58, 404-420.	2.2	80
62	Sweep excitation with order tracking: A new tactic for beam crack analysis. Journal of Sound and Vibration, 2018, 420, 129-141.	2.1	8
63	An enhanced morphology gradient product filter for bearing fault detection. Mechanical Systems and Signal Processing, 2018, 109, 166-184.	4.4	48
64	Dynamic modeling of gearbox faults: A review. Mechanical Systems and Signal Processing, 2018, 98, 852-876.	4.4	346
65	General model for the risk priority number in failure mode and effects analysis. Reliability Engineering and System Safety, 2018, 169, 321-329.	5.1	62
66	A new adaptive sequential sampling method to construct surrogate models for efficient reliability analysis. Reliability Engineering and System Safety, 2018, 169, 330-338.	5.1	230
67	Three new models for evaluation of standard involute spur gear mesh stiffness. Mechanical Systems and Signal Processing, 2018, 101, 424-434.	4.4	73
68	Reliability evaluation of multistate networks: An improved algorithm using state-space decomposition and experimental comparison. IJSE Transactions, 2018, 50, 407-418.	1.6	42
69	A Class Incremental Learning Approach Based on Autoencoder Without Manual Feature Extraction for Rail Vehicle Fault Diagnosis. , 2018, , .		1
70	Dynamic Modeling of Gear Tooth Pitting Propagation to Neighbouring and Mating Teeth. , 2018, , .		1
71	A Probabilistic Classifier for Transformer Dissolved Gas Analysis Using Various Input Variables. , 2018, , .		0
72	A New Strategy for Rotating Machinery Fault Diagnosis Under Varying Speed Conditions Based on Deep Neural Networks and Order Tracking. , 2018, , .		12

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73	Application of Modified Morphological Pattern Spectrum and LSSVM for Fault Diagnosis of Train Wheelset Bearings. , 2018, , .		0
74	Time series modeling of vibration signals from a gearbox under varying speed and load condition. , 2018, , .		2
75	Effects of friction and stochastic load on transient characteristics of a spur gear pair. Nonlinear Dynamics, 2018, 93, 599-609.	2.7	27
76	Amplitudes of characteristic frequencies for fault diagnosis of planetary gearbox. Journal of Sound and Vibration, 2018, 432, 119-132.	2.1	63
77	Optimal allocation of reliability improvement target based on the failure risk and improvement cost. Reliability Engineering and System Safety, 2018, 180, 104-110.	5.1	24
78	A dependence-based feature vector and its application on planetary gearbox fault classification. Journal of Sound and Vibration, 2018, 431, 192-211.	2.1	22
79	Some results on the relative ordering of two frailty models. Statistical Papers, 2017, 58, 287-301.	0.7	16
80	Optimal selective maintenance for multi-state systems in variable loading conditions. Reliability Engineering and System Safety, 2017, 166, 171-180.	5.1	64
81	A diagnostic signal selection scheme for planetary gearbox vibration monitoring under non-stationary operational conditions. Measurement Science and Technology, 2017, 28, 035003.	1.4	38
82	Atomic decomposition and sparse representation for complex signal analysis in machinery fault diagnosis: A review with examples. Measurement: Journal of the International Measurement Confederation, 2017, 103, 106-132.	2.5	101
83	Time-frequency representation based on robust local mean decomposition for multicomponent AM-FM signal analysis. Mechanical Systems and Signal Processing, 2017, 95, 468-487.	4.4	83
84	A new strategy of using a time-varying structure element for mathematical morphological filtering. Measurement: Journal of the International Measurement Confederation, 2017, 106, 53-65.	2.5	46
85	Markov process based time limited dispatch analysis with constraints of both dispatch reliability and average safety levels. Reliability Engineering and System Safety, 2017, 167, 84-94.	5.1	7
86	Improved local mean decomposition for modulation information mining and its application to machinery fault diagnosis. Journal of Sound and Vibration, 2017, 397, 266-281.	2.1	51
87	Adaptive Mode Decomposition Methods and Their Applications in Signal Analysis for Machinery Fault Diagnosis: A Review With Examples. IEEE Access, 2017, 5, 24301-24331.	2.6	120
88	Spectral negentropy based sidebands and demodulation analysis for planet bearing fault diagnosis. Journal of Sound and Vibration, 2017, 410, 124-150.	2.1	30
89	A phase angle based diagnostic scheme to planetary gear faults diagnostics under non-stationary operational conditions. Journal of Sound and Vibration, 2017, 408, 190-209.	2.1	58
90	Effect of Truncated Input Parameter Distribution on the Integrity of Safety Instrumented Systems Under Epistemic Uncertainty. IEEE Transactions on Reliability, 2017, 66, 735-750.	3.5	7

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91	Prognostics of rolling element bearings with the combination of paris law and reliability method. , 2017, , .		6
92	Selective maintenance of multi-state systems with structural dependence. Reliability Engineering and System Safety, 2017, 159, 184-195.	5.1	106
93	Fault detection method for railway wheel flat using an adaptive multiscale morphological filter. Mechanical Systems and Signal Processing, 2017, 84, 642-658.	4.4	107
94	Diagonal slice spectrum assisted optimal scale morphological filter for rolling element bearing fault diagnosis. Mechanical Systems and Signal Processing, 2017, 85, 146-161.	4.4	81
95	Effect of sliding friction on transient characteristics of a gear transmission under random loading. , 2017, , .		3
96	Copula-Based Time-Frequency Distribution Analysis for Planetary Gearbox Fault Detection. , 2017, , .		1
97	Detection of Bearing Faults Using a Novel Adaptive Morphological Update Lifting Wavelet. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 1305-1313.	1.9	17
98	Spur Gear Tooth Pitting Propagation Assessment Using Model-based Analysis. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 1369-1382.	1.9	43
99	Planetary Gearbox Fault diagnosis via Joint Amplitude and Frequency Demodulation Analysis Based on Variational Mode Decomposition. Applied Sciences (Switzerland), 2017, 7, 775.	1.3	30
100	A mesh stiffness evaluation model to reflect tooth pitting growth of a pair of external spur gears. , 2016, , .		5
101	An improved EMD method for fault diagnosis of rolling bearing. , 2016, , .		6
102	Dependence analysis of planetary gearbox vibration marginals. , 2016, , .		0
103	Selective Maintenance for Multistate Series Systems With S-Dependent Components. IEEE Transactions on Reliability, 2016, 65, 525-539.	3.5	90
104	The influence of tooth pitting on the mesh stiffness of a pair of external spur gears. Mechanism and Machine Theory, 2016, 106, 1-15.	2.7	134
105	Amplitude and frequency demodulation analysis for fault diagnosis of planet bearings. Journal of Sound and Vibration, 2016, 382, 395-412.	2.1	41
106	A windowing and mapping strategy for gear tooth fault detection of a planetary gearbox. Mechanical Systems and Signal Processing, 2016, 80, 445-459.	4.4	81
107	A stochastic power curve for wind turbines with reduced variability using conditional copula. Wind Energy, 2016, 19, 1519-1534.	1.9	19
108	Remaining useful life prediction of rolling element bearings based on health state assessment. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 314-330.	1.1	67

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109	Age replacement policy based on imperfect repair with random probability. Reliability Engineering and System Safety, 2016, 149, 24-33.	5.1	33
110	Joint amplitude and frequency demodulation analysis based on intrinsic time-scale decomposition for planetary gearbox fault diagnosis. Mechanical Systems and Signal Processing, 2016, 72-73, 223-240.	4.4	79
111	An improved algorithm for finding all minimal paths in a network. Reliability Engineering and System Safety, 2016, 150, 1-10.	5.1	40
112	Vibration signal modeling of a planetary gear set with transmission path effect analysis. Measurement: Journal of the International Measurement Confederation, 2016, 85, 20-31.	2.5	80
113	Reliability estimation considering usage rate profile and warranty claims. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2016, 230, 297-308.	0.6	9
114	Vibration signal models for fault diagnosis of planet bearings. Journal of Sound and Vibration, 2016, 370, 372-393.	2.1	65
115	Evaluating the reliability of multi-body mechanisms: A method considering the uncertainties of dynamic performance. Reliability Engineering and System Safety, 2016, 149, 96-106.	5.1	49
116	An efficient method for evaluating the effect of input parameters on the integrity of safety systems. Reliability Engineering and System Safety, 2016, 145, 111-123.	5.1	11
117	Derating design for optimizing reliability and cost with an application to liquid rocket engines. Reliability Engineering and System Safety, 2016, 146, 13-20.	5.1	10
118	Selective maintenance scheduling over a finite planning horizon. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2016, 230, 162-177.	0.6	34
119	Principal Components of Superhigh-Dimensional Statistical Features and Support Vector Machine for Improving Identification Accuracies of Different Gear Crack Levels under Different Working Conditions. Shock and Vibration, 2015, 2015, 1-14.	0.3	8
120	A Non-Probabilistic Metric Derived From Condition Information for Operational Reliability Assessment of Aero-Engines. IEEE Transactions on Reliability, 2015, 64, 167-181.	3.5	37
121	Effects of subsystem mission time on reliability allocation. IIE Transactions, 2015, 47, 285-293.	2.1	7
122	Reliability analysis of multi-state systems with s-dependent components. , 2015, , .		8
123	An improved d-MP search algorithm for multi-state networks. , 2015, , .		1
124	Predictive analytics using a nonhomogeneous semi-Markov model and inspection data. IIE Transactions, 2015, 47, 505-520.	2.1	20
125	Semi-Markov Process-Based Integrated Importance Measure for Multi-State Systems. IEEE Transactions on Reliability, 2015, 64, 754-765.	3.5	75
126	Dynamic Reliability Assessment for Multi-State Systems Utilizing System-Level Inspection Data. IEEE Transactions on Reliability, 2015, 64, 1287-1299.	3.5	70

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127	Ordering Heuristics for Reliability Evaluation of Multistate Networks. IEEE Transactions on Reliability, 2015, 64, 1015-1023.	3.5	86
128	Search for all d-MPs for all d levels in multistate two-terminal networks. Reliability Engineering and System Safety, 2015, 142, 300-309.	5.1	60
129	Vibration signal modeling of a planetary gear set for tooth crack detection. Engineering Failure Analysis, 2015, 48, 185-200.	1.8	183
130	Understanding vibration properties of a planetary gear set for fault detection. , 2014, , .		11
131	Construction of customized redundant multiwavelet via increasing multiplicity for fault detection of rotating machinery. Mechanical Systems and Signal Processing, 2014, 42, 206-224.	4.4	12
132	Analytically evaluating the influence of crack on the mesh stiffness of a planetary gear set. Mechanism and Machine Theory, 2014, 76, 20-38.	2.7	260
133	Multistate degradation and supervised estimation methods for a condition-monitored device. IIE Transactions, 2014, 46, 131-148.	2.1	26
134	Condition monitoring and fault diagnosis of planetary gearboxes: A review. Measurement: Journal of the International Measurement Confederation, 2014, 48, 292-305.	2.5	561
135	Selective maintenance for multi-state series–parallel systems under economic dependence. Reliability Engineering and System Safety, 2014, 121, 240-249.	5.1	119
136	An integrated framework for online diagnostic and prognostic health monitoring using a multistate deterioration process. Reliability Engineering and System Safety, 2014, 124, 92-104.	5.1	127
137	Optimal Replacement Last With Continuous and Discrete Policies. IEEE Transactions on Reliability, 2014, 63, 868-880.	3.5	35
138	A Stochastic Approach for the Analysis of Fault Trees With Priority AND Gates. IEEE Transactions on Reliability, 2014, 63, 480-494.	3.5	32
139	Evaluating the time-varying mesh stiffness of a planetary gear set using the potential energy method. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 535-547.	1.1	105
140	Feature selection for fault level diagnosis of planetary gearboxes. Advances in Data Analysis and Classification, 2014, 8, 377-401.	0.9	26
141	Inverse Gaussian process models for degradation analysis: A Bayesian perspective. Reliability Engineering and System Safety, 2014, 130, 175-189.	5.1	178
142	Modified relative arrival time technique for sizing inclined cracks. Measurement: Journal of the International Measurement Confederation, 2014, 50, 86-92.	2.5	4
143	Chapter 2: Selective Maintenance for Complex Systems Considering Imperfect Maintenance Efficiency. , 2014, , 17-49.		2
144	Selective maintenance considering two types of failure modes. International Journal of Strategic Engineering Asset Management, 2014, 2, 37.	0.6	15

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145	Fault level diagnosis for planetary gearboxes using hybrid kernel feature selection and kernel Fisher discriminant analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 67, 1217-1230.	1.5	72
146	Optimal burn-in and preventive maintenance warranty strategies with time-dependent maintenance costs. <i>IIE Transactions</i> , 2013, 45, 1024-1033.	2.1	33
147	A new reliability allocation weight for reducing the occurrence of severe failure effects. <i>Reliability Engineering and System Safety</i> , 2013, 117, 81-88.	5.1	76
148	Joint amplitude and frequency demodulation analysis based on local mean decomposition for fault diagnosis of planetary gearboxes. <i>Mechanical Systems and Signal Processing</i> , 2013, 40, 56-75.	4.4	100
149	Condition-based replacement policy for a device using interval-censored inspection data. , 2013, , .		1
150	Selective maintenance for binary systems under imperfect repair. <i>Reliability Engineering and System Safety</i> , 2013, 113, 42-51.	5.1	136
151	Fault diagnosis of planetary gearboxes via torsional vibration signal analysis. <i>Mechanical Systems and Signal Processing</i> , 2013, 36, 401-421.	4.4	123
152	Using ultrasonic pulse-echo B-scan signals for estimation of time of flight. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 3593-3599.	2.5	8
153	Life cycle reliability assessment of new productsâ€™A Bayesian model updating approach. <i>Reliability Engineering and System Safety</i> , 2013, 112, 109-119.	5.1	37
154	A review on empirical mode decomposition in fault diagnosis of rotating machinery. <i>Mechanical Systems and Signal Processing</i> , 2013, 35, 108-126.	4.4	1,401
155	Selective maintenance modeling for a multistate system with multistate components under imperfect maintenance. <i>IIE Transactions</i> , 2013, 45, 1221-1234.	2.1	104
156	Diagnosis of artificially created surface damage levels of planet gear teeth using ordinal ranking. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 132-144.	2.5	40
157	The effects of the shape of localized defect in ball bearings on the vibration waveform. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2013, 227, 261-274.	0.5	26
158	An adaptive signal processing method for extraction of a weak bearing signal. , 2013, , .		1
159	Ensemble Empirical Mode Decomposition-Based Teager Energy Spectrum for Bearing Fault Diagnosis. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013, 135, .	1.0	47
160	Fault diagnosis for planetary gearboxes using multi-criterion fusion feature selection framework. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 2064-2076.	1.1	16
161	Dynamic simulation of a planetary gear set and estimation of fault growth on the sun gear. , 2013, , .		0
162	Customized lifting multiwavelet packet information entropy for equipment condition identification. <i>Smart Materials and Structures</i> , 2013, 22, 095022.	1.8	9

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163	Feature ranking for support vector machine classification and its application to machinery fault diagnosis. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 2077-2089.	1.1	10
164	Modeling Multi-State Equipment Degradation with Non-Homogeneous Continuous-Time Hidden Semi-Markov Process. , 2013, , 151-181.		3
165	Generating Indicators for Diagnosis of Fault Levels by Integrating Information from Two or More Sensors. , 2013, , 74-97.		0
166	Parameters determination for adaptive bathtub-shaped curve using artificial fish swarm algorithm. , 2012, , .		3
167	Unified uncertainty analysis using the maximum entropy approach and simulation. , 2012, , .		2
168	Fault diagnosis for multi-state equipment with multiple failure modes. , 2012, , .		3
169	Multi-state degradation analysis for a condition monitored device with unobservable states. , 2012, , .		3
170	Design FMEA for a diesel engine using two risk priority numbers. , 2012, , .		2
171	Selective maintenance for binary systems using age-based imperfect repair model. , 2012, , .		13
172	Adapting an age-reduction model to extend the useful-life duration. , 2012, , .		0
173	Fatigue Life Estimation of an Aircraft Engine Under Different Load Spectrums. International Journal of Turbo and Jet Engines, 2012, 29, .	0.3	20
174	Generating an indicator for pump impeller damage using half and full spectra, fuzzy preference-based rough sets and PCA. Measurement Science and Technology, 2012, 23, 045607.	1.4	12
175	Time-Varying Meshing Stiffness Calculation and Vibration Analysis for a 16DOF Dynamic Model With Linear Crack Growth in a Pinion. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.0	92
176	Crack Level Estimation Approach for Planetary Gear Sets Based on Simulation Signal and GRA. Journal of Physics: Conference Series, 2012, 364, 012076.	0.3	5
177	Maximum correlated Kurtosis deconvolution and application on gear tooth chip fault detection. Mechanical Systems and Signal Processing, 2012, 33, 237-255.	4.4	467
178	Gear crack level classification based on multinomial logit model and cumulative link model. , 2012, , .		2
179	Fault detection of planetary gearboxes using new diagnostic parameters. Measurement Science and Technology, 2012, 23, 055605.	1.4	104
180	A parameter estimation method for a condition-monitored device under multi-state deterioration. Reliability Engineering and System Safety, 2012, 106, 94-103.	5.1	43

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181	Vibration signal models for fault diagnosis of planetary gearboxes. Journal of Sound and Vibration, 2012, 331, 4919-4939.	2.1	383
182	Estimating ultrasonic time of flight using envelope and quasi maximum likelihood method for damage detection and assessment. Measurement: Journal of the International Measurement Confederation, 2012, 45, 2072-2080.	2.5	99
183	Gearbox diagnosis based on cyclic spectral analysis. , 2012, , .		1
184	Parameter selection for Gaussian radial basis function in support vector machine classification. , 2012, , .		9
185	Optimizing the Periodic Inspection Interval for a Cold Standby System Using the Delay Time Concept. Quality and Reliability Engineering International, 2012, 28, 648-662.	1.4	13
186	Crack propagation assessment for spur gears using model-based analysis and simulation. Journal of Intelligent Manufacturing, 2012, 23, 239-253.	4.4	58
187	Nonlinear lateral-torsional coupled motion of a rotor contacting a viscoelastically suspended stator. Nonlinear Dynamics, 2012, 69, 325-339.	2.7	32
188	An LSSVR-based algorithm for online system condition prognostics. Expert Systems With Applications, 2012, 39, 6089-6102.	4.4	39
189	A data clustering algorithm for stratified data partitioning in artificial neural network. Expert Systems With Applications, 2012, 39, 7004-7014.	4.4	23
190	Optimal design and maintenance of a repairable multi-state system with standby components. Journal of Statistical Planning and Inference, 2012, 142, 2409-2420.	0.4	25
191	Denoising ultrasonic pulse-echo signal using two-dimensional analytic wavelet thresholding. Measurement: Journal of the International Measurement Confederation, 2012, 45, 255-267.	2.5	18
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