

Ming J. Zuo

List of Publications by Year in descending order

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324
papers

16,176
citations

14644

66
h-index

20943

115
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331
docs citations

331
times ranked

7286
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Condition monitoring and fault diagnosis of planetary gearboxes: A review. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 48, 292-305.	2.5	561
3	Current status of machine prognostics in condition-based maintenance: a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 50, 297-313.	1.5	513
4	Maximum correlated Kurtosis deconvolution and application on gear tooth chip fault detection. <i>Mechanical Systems and Signal Processing</i> , 2012, 33, 237-255.	4.4	467
5	Vibration signal models for fault diagnosis of planetary gearboxes. <i>Journal of Sound and Vibration</i> , 2012, 331, 4919-4939.	2.1	383
6	Dynamic modeling of gearbox faults: A review. <i>Mechanical Systems and Signal Processing</i> , 2018, 98, 852-876.	4.4	346
7	Simulation of spur gear dynamics and estimation of fault growth. <i>Journal of Sound and Vibration</i> , 2008, 317, 608-624.	2.1	336
8	Gearbox fault detection using Hilbert and wavelet packet transform. <i>Mechanical Systems and Signal Processing</i> , 2006, 20, 966-982.	4.4	266
9	An efficient method for reliability evaluation of multistate networks given all minimal path vectors. <i>IIE Transactions</i> , 2007, 39, 811-817.	2.1	262
10	Analytically evaluating the influence of crack on the mesh stiffness of a planetary gear set. <i>Mechanism and Machine Theory</i> , 2014, 76, 20-38.	2.7	260
11	A new adaptive sequential sampling method to construct surrogate models for efficient reliability analysis. <i>Reliability Engineering and System Safety</i> , 2018, 169, 330-338.	5.1	230
12	Gear crack level identification based on weighted K nearest neighbor classification algorithm. <i>Mechanical Systems and Signal Processing</i> , 2009, 23, 1535-1547.	4.4	227
13	Bayesian reliability analysis for fuzzy lifetime data. <i>Fuzzy Sets and Systems</i> , 2006, 157, 1674-1686.	1.6	201
14	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
15	A multidimensional hybrid intelligent method for gear fault diagnosis. <i>Expert Systems With Applications</i> , 2010, 37, 1419-1430.	4.4	192
16	Vibration signal modeling of a planetary gear set for tooth crack detection. <i>Engineering Failure Analysis</i> , 2015, 48, 185-200.	1.8	183
17	Inverse Gaussian process models for degradation analysis: A Bayesian perspective. <i>Reliability Engineering and System Safety</i> , 2014, 130, 175-189.	5.1	178
18	Linear and Nonlinear Preventive Maintenance Models. <i>IEEE Transactions on Reliability</i> , 2010, 59, 242-249.	3.5	171

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19	Fault diagnosis of machines based on Dê€S evidence theory. Part 1: Dê€S evidence theory and its improvement. Pattern Recognition Letters, 2006, 27, 366-376.	2.6	167
20	GENERAL SEQUENTIAL IMPERFECT PREVENTIVE MAINTENANCE MODELS. International Journal of Reliability, Quality and Safety Engineering, 2000, 07, 253-266.	0.4	165
21	Reliability evaluation of multi-state weighted -out-of- systems. Reliability Engineering and System Safety, 2008, 93, 160-167.	5.1	159
22	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
23	Fault diagnosis of rotating machinery using an improved HHT based on EEMD and sensitive IMFs. Measurement Science and Technology, 2009, 20, 125701.	1.4	142
24	Selective maintenance for binary systems under imperfect repair. Reliability Engineering and System Safety, 2013, 113, 42-51.	5.1	136
25	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
26	Posbist fault tree analysis of coherent systems. Reliability Engineering and System Safety, 2004, 84, 141-148.	5.1	133
27	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
28	Fault diagnosis of planetary gearboxes via torsional vibration signal analysis. Mechanical Systems and Signal Processing, 2013, 36, 401-421.	4.4	123
29	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
30	Mechanical Fault Detection Based on the Wavelet De-Noising Technique. Journal of Vibration and Acoustics, Transactions of the ASME, 2004, 126, 9-16.	1.0	119
31	Selective maintenance for multi-state seriesê€parallel systems under economic dependence. Reliability Engineering and System Safety, 2014, 121, 240-249.	5.1	119
32	Sequential imperfect preventive maintenance models with two categories of failure modes. Naval Research Logistics, 2001, 48, 172-183.	1.4	110
33	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
34	Selective maintenance of multi-state systems with structural dependence. Reliability Engineering and System Safety, 2017, 159, 184-195.	5.1	106
35	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
36	Fault detection of planetary gearboxes using new diagnostic parameters. Measurement Science and Technology, 2012, 23, 055605.	1.4	104

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37	Selective maintenance modeling for a multistate system with multistate components under imperfect maintenance. IIE Transactions, 2013, 45, 1221-1234.	2.1	104
38	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
39	Joint amplitude and frequency demodulation analysis based on local mean decomposition for fault diagnosis of planetary gearboxes. Mechanical Systems and Signal Processing, 2013, 40, 56-75.	4.4	100
40	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
41	Design and performance analysis of consecutive-K-out-of-n structure. Naval Research Logistics, 1990, 37, 203-230.	1.4	97
42	A joint reliability-redundancy optimization approach for multi-state series-parallel systems. Reliability Engineering and System Safety, 2009, 94, 1568-1576.	5.1	95
43	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
44	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
45	Multivariate EMD and full spectrum based condition monitoring for rotating machinery. Mechanical Systems and Signal Processing, 2012, 27, 712-728.	4.4	91
46	Selective Maintenance for Multistate Series Systems With S-Dependent Components. IEEE Transactions on Reliability, 2016, 65, 525-539.	3.5	90
47	Time-frequency analysis of time-varying modulated signals based on improved energy separation by iterative generalized demodulation. Journal of Sound and Vibration, 2011, 330, 1225-1243.	2.1	89
48	A comprehensive reliability allocation method for design of CNC lathes. Reliability Engineering and System Safety, 2001, 72, 247-252.	5.1	87
49	Ordering Heuristics for Reliability Evaluation of Multistate Networks. IEEE Transactions on Reliability, 2015, 64, 1015-1023.	3.5	86
50	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
51	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
52	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
53	Feature separation using ICA for a one-dimensional time series and its application in fault detection. Journal of Sound and Vibration, 2005, 287, 614-624.	2.1	80
54	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

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55	Efficient reliability analysis based on adaptive sequential sampling design and cross-validation. Applied Mathematical Modelling, 2018, 58, 404-420.	2.2	80
56	Multi-state k -out-of- n systems and their performance evaluation. IIE Transactions, 2008, 41, 32-44.	2.1	79
57	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
58	A new reliability allocation weight for reducing the occurrence of severe failure effects. Reliability Engineering and System Safety, 2013, 117, 81-88.	5.1	76
59	Semi-Markov Process-Based Integrated Importance Measure for Multi-State Systems. IEEE Transactions on Reliability, 2015, 64, 754-765.	3.5	75
60	Replacement "repair policy for multi-state deteriorating products under warranty. European Journal of Operational Research, 2000, 123, 519-530.	3.5	74
61	Three new models for evaluation of standard involute spur gear mesh stiffness. Mechanical Systems and Signal Processing, 2018, 101, 424-434.	4.4	73
62	A Framework for Reliability Approximation of Multi-State Weighted k -out-of- n Systems. IEEE Transactions on Reliability, 2010, 59, 297-308.	3.5	72
63	Fault level diagnosis for planetary gearboxes using hybrid kernel feature selection and kernel Fisher discriminant analysis. International Journal of Advanced Manufacturing Technology, 2013, 67, 1217-1230.	1.5	72
64	Time domain averaging across all scales: A novel method for detection of gearbox faults. Mechanical Systems and Signal Processing, 2008, 22, 261-278.	4.4	71
65	Physics-Informed LSTM hyperparameters selection for gearbox fault detection. Mechanical Systems and Signal Processing, 2022, 171, 108907.	4.4	71
66	Dynamic Reliability Assessment for Multi-State Systems Utilizing System-Level Inspection Data. IEEE Transactions on Reliability, 2015, 64, 1287-1299.	3.5	70
67	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
68	Modelling and optimizing sequential imperfect preventive maintenance. Reliability Engineering and System Safety, 2009, 94, 53-62.	5.1	66
69	Fault diagnosis of machines based on D "S evidence theory. Part 2: Application of the improved D "S evidence theory in gearbox fault diagnosis. Pattern Recognition Letters, 2006, 27, 377-385.	2.6	65
70	Vibration signal models for fault diagnosis of planet bearings. Journal of Sound and Vibration, 2016, 370, 372-393.	2.1	65
71	Optimal selective maintenance for multi-state systems in variable loading conditions. Reliability Engineering and System Safety, 2017, 166, 171-180.	5.1	64
72	Amplitudes of characteristic frequencies for fault diagnosis of planetary gearbox. Journal of Sound and Vibration, 2018, 432, 119-132.	2.1	63

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73	Optimal replacement policy for a multistate repairable system. <i>Journal of the Operational Research Society</i> , 2002, 53, 336-341.	2.1	62
74	Multi-State Consecutive- k -out-of- n Systems. <i>IIE Transactions</i> , 2003, 35, 527-534.	2.1	62
75	General model for the risk priority number in failure mode and effects analysis. <i>Reliability Engineering and System Safety</i> , 2018, 169, 321-329.	5.1	62
76	A method for evaluation of reliability indices for repairable circular consecutive- k -out-of- n : F systems. <i>Reliability Engineering and System Safety</i> , 2003, 79, 1-9.	5.1	60
77	Redundancy allocation for multi-state systems using physical programming and genetic algorithms. <i>Reliability Engineering and System Safety</i> , 2006, 91, 1049-1056.	5.1	60
78	Search for all d-MPs for all d levels in multistate two-terminal networks. <i>Reliability Engineering and System Safety</i> , 2015, 142, 300-309.	5.1	60
79	Scaling-Basis Chirplet Transform. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 8777-8788.	5.2	60
80	Health Condition Prediction of Gears Using a Recurrent Neural Network Approach. <i>IEEE Transactions on Reliability</i> , 2010, 59, 700-705.	3.5	59
81	Reliability of multistate consecutively-connected systems. <i>Reliability Engineering and System Safety</i> , 1994, 44, 173-176.	5.1	58
82	Application of regularization dimension to gear damage assessment. <i>Mechanical Systems and Signal Processing</i> , 2010, 24, 1081-1098.	4.4	58
83	Crack propagation assessment for spur gears using model-based analysis and simulation. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 239-253.	4.4	58
84	A phase angle based diagnostic scheme to planetary gear faults diagnostics under non-stationary operational conditions. <i>Journal of Sound and Vibration</i> , 2017, 408, 190-209.	2.1	58
85	Weighted domain adaptation networks for machinery fault diagnosis. <i>Mechanical Systems and Signal Processing</i> , 2021, 158, 107744.	4.4	58
86	Genetic-algorithm-based optimal apportionment of reliability and redundancy under multiple objectives. <i>IIE Transactions</i> , 2009, 41, 287-298.	2.1	52
87	Improved local mean decomposition for modulation information mining and its application to machinery fault diagnosis. <i>Journal of Sound and Vibration</i> , 2017, 397, 266-281.	2.1	51
88	Optimal system design considering maintenance and warranty. <i>Computers and Operations Research</i> , 1998, 25, 691-705.	2.4	50
89	Optimal design of multi-state weighted k -out-of- n systems based on component design. <i>Reliability Engineering and System Safety</i> , 2008, 93, 1673-1681.	5.1	50
90	Support vector machine based data processing algorithm for wear degree classification of slurry pump systems. <i>Measurement: Journal of the International Measurement Confederation</i> , 2010, 43, 781-791.	2.5	50

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91	Machine fault feature extraction based on intrinsic mode functions. <i>Measurement Science and Technology</i> , 2008, 19, 045105.	1.4	49
92	Evaluating the reliability of multi-body mechanisms: A method considering the uncertainties of dynamic performance. <i>Reliability Engineering and System Safety</i> , 2016, 149, 96-106.	5.1	49
93	Stochastic Comparison of Residual Life and Inactivity Time at a Random Time. <i>Stochastic Models</i> , 2004, 20, 229-235.	0.3	48
94	Intelligent interactive multiobjective optimization method and its application to reliability optimization. <i>IIE Transactions</i> , 2005, 37, 983-993.	2.1	48
95	An enhanced morphology gradient product filter for bearing fault detection. <i>Mechanical Systems and Signal Processing</i> , 2018, 109, 166-184.	4.4	48
96	Reliability and Availability Analysis of a Repairable k -out-of- n :G System With R Repairmen Subject to Shut-Off Rules. <i>IEEE Transactions on Reliability</i> , 2011, 60, 658-666.	3.5	47
97	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
98	Induction Motor Stator Current AM-FM Model and Demodulation Analysis for Planetary Gearbox Fault Diagnosis. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2386-2394.	7.2	47
99	A new strategy of using a time-varying structure element for mathematical morphological filtering. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 106, 53-65.	2.5	46
100	A bivariate optimal replacement policy for a multistate repairable system. <i>Reliability Engineering and System Safety</i> , 2007, 92, 535-542.	5.1	44
101	An adaptive Morlet wavelet filter for time-of-flight estimation in ultrasonic damage assessment. <i>Measurement: Journal of the International Measurement Confederation</i> , 2010, 43, 570-585.	2.5	43
102	A parameter estimation method for a condition-monitored device under multi-state deterioration. <i>Reliability Engineering and System Safety</i> , 2012, 106, 94-103.	5.1	43
103	Spur Gear Tooth Pitting Propagation Assessment Using Model-based Analysis. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2017, 30, 1369-1382.	1.9	43
104	Optimal replacement policy for a deteriorating production system with preventive maintenance. <i>International Journal of Systems Science</i> , 2001, 32, 1193-1198.	3.7	42
105	Reliability evaluation of multistate networks: An improved algorithm using state-space decomposition and experimental comparison. <i>IIE Transactions</i> , 2018, 50, 407-418.	1.6	42
106	Amplitude and frequency demodulation analysis for fault diagnosis of planet bearings. <i>Journal of Sound and Vibration</i> , 2016, 382, 395-412.	2.1	41
107	Computing and Applying the Signature of a System With Two Common Failure Criteria. <i>IEEE Transactions on Reliability</i> , 2010, 59, 576-580.	3.5	40
108	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

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109	An improved algorithm for finding all minimal paths in a network. Reliability Engineering and System Safety, 2016, 150, 1-10.	5.1	40
110	An LSSVR-based algorithm for online system condition prognostics. Expert Systems With Applications, 2012, 39, 6089-6102.	4.4	39
111	Availability of a general k-out-of-n:G system with non-identical components considering shut-off rules using quasi-birth-death process. Reliability Engineering and System Safety, 2011, 96, 489-496.	5.1	38
112	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
113	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
114	Evaluating a warm standby system with components having proportional hazard rates. Operations Research Letters, 2009, 37, 56-60.	0.5	37
115	Life cycle reliability assessment of new products—A Bayesian model updating approach. Reliability Engineering and System Safety, 2013, 112, 109-119.	5.1	37
116	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
117	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
118	Reliability and component importance of a consecutive-k-out-of-n system. Microelectronics Reliability, 1993, 33, 243-258.	0.9	36
119	Analysis of the Vibration Response of a Gearbox With Gear Tooth Faults. , 2004, , 785.		36
120	An improved model for dependent competing risks considering continuous degradation and random shocks. Reliability Engineering and System Safety, 2020, 193, 106641.	5.1	36
121	Multiobjective optimization of three-stage spur gear reduction units using interactive physical programming. Journal of Mechanical Science and Technology, 2005, 19, 1080-1086.	0.7	35
122	Reliability analysis of a repairable k-out-of-n system with some components being suspended when the system is down. Reliability Engineering and System Safety, 2006, 91, 305-310.	5.1	35
123	Optimal Replacement Last With Continuous and Discrete Policies. IEEE Transactions on Reliability, 2014, 63, 868-880.	3.5	35
124	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
125	Reliability analysis for a circular consecutive-2-out-of-n:F repairable system with priority in repair. Reliability Engineering and System Safety, 2000, 68, 113-120.	5.1	34
126	Preservation of stochastic orders for random minima and maxima, with applications. Naval Research Logistics, 2004, 51, 332-344.	1.4	34

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127	Extraction of Periodic Components for Gearbox Diagnosis Combining Wavelet Filtering and Cyclostationary Analysis. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2004, 126, 449-451.	1.0	34
128	Selective maintenance scheduling over a finite planning horizon. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2016, 230, 162-177.	0.6	34
129	Using neural network function approximation for optimal design of continuous-state parallel series systems. <i>Computers and Operations Research</i> , 2003, 30, 339-352.	2.4	33
130	The Hierarchical Weighted Multi-State k -out-of- n System Model and Its Application for Infrastructure Management. <i>IEEE Transactions on Reliability</i> , 2010, 59, 593-603.	3.5	33
131	Optimal preventive maintenance policy under fuzzy Bayesian reliability assessment environments. <i>IIE Transactions</i> , 2010, 42, 734-745.	2.1	33
132	Optimal burn-in and preventive maintenance warranty strategies with time-dependent maintenance costs. <i>IIE Transactions</i> , 2013, 45, 1024-1033.	2.1	33
133	Age replacement policy based on imperfect repair with random probability. <i>Reliability Engineering and System Safety</i> , 2016, 149, 24-33.	5.1	33
134	Railway bearing and cardan shaft fault diagnosis via an improved morphological filter. <i>Structural Health Monitoring</i> , 2020, 19, 1471-1486.	4.3	33
135	System reliability and system resilience. <i>Frontiers of Engineering Management</i> , 2021, 8, 615-619.	3.3	33
136	Nonlinear lateral-torsional coupled motion of a rotor contacting a viscoelastically suspended stator. <i>Nonlinear Dynamics</i> , 2012, 69, 325-339.	2.7	32
137	A Stochastic Approach for the Analysis of Fault Trees With Priority AND Gates. <i>IEEE Transactions on Reliability</i> , 2014, 63, 480-494.	3.5	32
138	Gear Damage Assessment Based on Cyclic Spectral Analysis. <i>IEEE Transactions on Reliability</i> , 2011, 60, 21-32.	3.5	31
139	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
140	Transient meshing performance of gears with different modification coefficients and helical angles using explicit dynamic FEA. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 1786-1802.	4.4	30
141	Spectral negentropy based sidebands and demodulation analysis for planet bearing fault diagnosis. <i>Journal of Sound and Vibration</i> , 2017, 410, 124-150.	2.1	30
142	Planetary Gearbox Fault diagnosis via Joint Amplitude and Frequency Demodulation Analysis Based on Variational Mode Decomposition. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 775.	1.3	30
143	ACCUGRAM: A novel approach based on classification to frequency band selection for rotating machinery fault diagnosis. <i>ISA Transactions</i> , 2019, 95, 346-357.	3.1	30
144	Reliability-Based Design of Systems Considering Preventive Maintenance and Minimal Repair. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 1997, 04, 55-71.	0.4	29

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145	Preface: reliability and quality management in stochastic systems. <i>Annals of Operations Research</i> , 2019, 277, 1-2.	2.6	29
146	Optimal design of series-parallel systems considering maintenance and salvage value. <i>Computers and Industrial Engineering</i> , 2001, 40, 323-337.	3.4	28
147	Reliability estimation in a Weibull lifetime distribution with zero-failure field data. <i>Quality and Reliability Engineering International</i> , 2010, 26, 691-701.	1.4	28
148	Effects of friction and stochastic load on transient characteristics of a spur gear pair. <i>Nonlinear Dynamics</i> , 2018, 93, 599-609.	2.7	27
149	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
150	Multistate degradation and supervised estimation methods for a condition-monitored device. <i>IIE Transactions</i> , 2014, 46, 131-148.	2.1	26
151	Feature selection for fault level diagnosis of planetary gearboxes. <i>Advances in Data Analysis and Classification</i> , 2014, 8, 377-401.	0.9	26
152	A sparse multivariate time series model-based fault detection method for gearboxes under variable speed condition. <i>Mechanical Systems and Signal Processing</i> , 2022, 167, 108539.	4.4	26
153	Optimal design and maintenance of a repairable multi-state system with standby components. <i>Journal of Statistical Planning and Inference</i> , 2012, 142, 2409-2420.	0.4	25
154	Optimum component reassignment for balanced systems with multi-state components operating in a shock environment. <i>Reliability Engineering and System Safety</i> , 2021, 210, 107514.	5.1	25
155	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
156	Temporized coloured Petri nets with changeable structure (CPN-CS) for performance modelling of dynamic production systems. <i>International Journal of Production Research</i> , 2000, 38, 1917-1945.	4.9	24
157	Optimal allocation of reliability improvement target based on the failure risk and improvement cost. <i>Reliability Engineering and System Safety</i> , 2018, 180, 104-110.	5.1	24
158	Colored Petri Nets with changeable structures (CPN-CS) and their applications in modeling one-of-a-kind production (OKP) systems. <i>Computers and Industrial Engineering</i> , 2001, 41, 279-308.	3.4	23
159	On the behaviour of some new ageing properties based upon the residual life of k-out-of-n systems. <i>Journal of Applied Probability</i> , 2002, 39, 426-433.	0.4	23
160	Reliability Bounds for Multi-State k -out-of- n Systems. <i>IEEE Transactions on Reliability</i> , 2008, 57, 53-58.	3.5	23
161	Constrained (k , d)-out-of- n systems. <i>International Journal of Systems Science</i> , 2010, 41, 679-685.	3.7	23
162	A data clustering algorithm for stratified data partitioning in artificial neural network. <i>Expert Systems With Applications</i> , 2012, 39, 7004-7014.	4.4	23

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163	A general discrete degradation model with fatal shocks and age- and state-dependent nonfatal shocks. Reliability Engineering and System Safety, 2020, 193, 106648.	5.1	23
164	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
165	Fatigue Life Estimation of an Aircraft Engine Under Different Load Spectrums. International Journal of Turbo and Jet Engines, 2012, 29, .	0.3	20
166	Predictive analytics using a nonhomogeneous semi-Markov model and inspection data. IIE Transactions, 2015, 47, 505-520.	2.1	20
167	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
168	A stochastic power curve for wind turbines with reduced variability using conditional copula. Wind Energy, 2016, 19, 1519-1534.	1.9	19
169	A bibliometric analysis of process system failure and reliability literature. Engineering Failure Analysis, 2019, 106, 104152.	1.8	19
170	A multi-criterion evaluation approach to selection of the best statistical distribution. Computers and Industrial Engineering, 2004, 47, 165-180.	3.4	18
171	A New Ductility Exhaustion Model for High Temperature Low Cycle Fatigue Life Prediction of Turbine Disk Alloys. International Journal of Turbo and Jet Engines, 2011, 28, .	0.3	18
172	Denosing 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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