Xiangyu Li

List of Publications by Year
in descending order

222 papers	4,167 citations	117453 34 h-index	133063 59 g-index
223 all docs	223 docs citations	223 times ranked	2305 citing authors

#	Article	IF	Citations
1	An efficient method for reliability evaluation of multistate networks given all minimal path vectors. IIE Transactions, 2007, 39, 811-817.	2.1	262
2	Reliability analysis of complex multi-state system with common cause failure based on evidential networks. Reliability Engineering and System Safety, 2018, 174, 71-81.	5.1	214
3	Optimal reliability, warranty and price for new products. IIE Transactions, 2007, 39, 819-827.	2.1	186
4	Bayesian Degradation Analysis With Inverse Gaussian Process Models Under Time-Varying Degradation Rates. IEEE Transactions on Reliability, 2017, 66, 84-96.	3.5	146
5	Toward a Better Understanding of Model Validation Metrics. Journal of Mechanical Design, Transactions of the ASME, 2011, 133, .	1.7	128
6	Optimal Replacement Policy for Multi-State System Under Imperfect Maintenance. IEEE Transactions on Reliability, 2010, 59, 483-495.	3.5	118
7	Reliability assessment of complex electromechanical systems under epistemic uncertainty. Reliability Engineering and System Safety, 2016, 152, 1-15.	5.1	118
8	Physics of failure-based reliability prediction of turbine blades using multi-source information fusion. Applied Soft Computing Journal, 2018, 72, 624-635.	4.1	108
9	Bayesian framework for probabilistic low cycle fatigue life prediction and uncertainty modeling of aircraft turbine disk alloys. Probabilistic Engineering Mechanics, 2013, 34, 114-122.	1.3	103
10	Reliability analysis of multi-state systems with common cause failures based on Bayesian network and fuzzy probability. Annals of Operations Research, 2022, 311, 195-209.	2.6	97
11	Reliability assessment for fuzzy multi-state systems. International Journal of Systems Science, 2010, 41, 365-379.	3.7	89
12	Rolling element bearing fault detection using an improved combination of Hilbert and wavelet transforms. Journal of Mechanical Science and Technology, 2009, 23, 3292-3301.	0.7	83
13	Reliability analysis of phased mission system with non-exponential and partially repairable components. Reliability Engineering and System Safety, 2018, 175, 119-127.	5.1	82
14	Probabilistic Low Cycle Fatigue Life Prediction Using an Energy-Based Damage Parameter and Accounting for Model Uncertainty. International Journal of Damage Mechanics, 2012, 21, 1128-1153.	2.4	77
15	Sequential optimization and reliability assessment for multidisciplinary design optimization under aleatory and epistemic uncertainties. Structural and Multidisciplinary Optimization, 2010, 40, 165-175.	1.7	71
16	Reliability assessment of multi-state phased mission system with non-repairable multi-state components. Applied Mathematical Modelling, 2018, 61, 181-199.	2.2	71
17	A Joint Redundancy and Imperfect Maintenance Strategy Optimization for Multi-State Systems. IEEE Transactions on Reliability, 2013, 62, 368-378.	3.5	68
18	Reliability sensitivity analysis for structural systems in interval probability form. Structural and Multidisciplinary Optimization, 2011, 44, 691-705.	1.7	67

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19	An Enhanced Deep Learning-Based Fusion Prognostic Method for RUL Prediction. IEEE Transactions on Reliability, 2020, 69, 1097-1109.	3.5	65
20	Unified uncertainty analysis by the mean value first order saddlepoint approximation. Structural and Multidisciplinary Optimization, 2012, 46, 803-812.	1.7	63
21	A Bayesian Approach for System Reliability Analysis With Multilevel Pass-Fail, Lifetime and Degradation Data Sets. IEEE Transactions on Reliability, 2013, 62, 689-699.	3.5	60
22	A Data-Driven Approach to Selecting Imperfect Maintenance Models. IEEE Transactions on Reliability, 2012, 61, 101-112.	3.5	58
23	Genetic-algorithm-based optimal apportionment of reliability and redundancy under multiple objectives. IIE Transactions, 2009, 41, 287-298.	2.1	52
24	Dynamic reliability modeling for system analysis under complex load. Reliability Engineering and System Safety, 2018, 180, 345-351.	5.1	49
25	Intelligent interactive multiobjective optimization method and its application to reliability optimization. IIE Transactions, 2005, 37, 983-993.	2.1	48
26	Reliability assessment of phased-mission systems under random shocks. Reliability Engineering and System Safety, 2018, 180, 352-361.	5.1	48
27	A novel single-loop procedure for time-variant reliability analysis based on Kriging model. Applied Mathematical Modelling, 2019, 75, 735-748.	2.2	48
28	Reliability assessment for systems suffering common cause failure based on Bayesian networks and proportional hazards model. Quality and Reliability Engineering International, 2020, 36, 2509-2520.	1.4	45
29	Time-variant reliability analysis for industrial robot RV reducer under multiple failure modes using Kriging model. Reliability Engineering and System Safety, 2020, 199, 106936.	5.1	45
30	A Discrete Stress-Strength Interference Model With Stress Dependent Strength. IEEE Transactions on Reliability, 2009, 58, 118-122.	3.5	41
31	Fault diagnosis of rotating machinery based on kernel density estimation and Kullback-Leibler divergence. Journal of Mechanical Science and Technology, 2014, 28, 4441-4454.	0.7	41
32	Time-variant system reliability analysis method for a small failure probability problem. Reliability Engineering and System Safety, 2021, 205, 107261.	5.1	41
33	Mean-value first-order saddlepoint approximation based collaborative optimization for multidisciplinary problems under aleatory uncertainty. Journal of Mechanical Science and Technology, 2014, 28, 3925-3935.	0.7	40
34	A Modified Nonlinear Damage Accumulation Model for Fatigue Life Prediction Considering Load Interaction Effects. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	39
35	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
36	Improved information fusion approach based on D-S evidence theory. Journal of Mechanical Science and Technology, 2008, 22, 2417-2425.	0.7	35

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37	Enhanced sequential optimization and reliability assessment for reliability-based design optimization. Journal of Mechanical Science and Technology, 2012, 26, 2039-2043.	0.7	34
38	New evaluation methods for conceptual design selection using computational intelligence techniques. Journal of Mechanical Science and Technology, 2013, 27, 733-746.	0.7	34
39	Redundancy allocation problem of phased-mission system with non-exponential components and mixed redundancy strategy. Reliability Engineering and System Safety, 2020, 199, 106903.	5.1	34
40	Optimal preventive maintenance policy under fuzzy Bayesian reliability assessment environments. IIE Transactions, 2010, 42, 734-745.	2.1	33
41	A novel information fusion method based on Dempster-Shafer evidence theory for conflict resolution. Intelligent Data Analysis, 2011, 15, 399-411.	0.4	33
42	A single-loop strategy for time-variant system reliability analysis under multiple failure modes. Mechanical Systems and Signal Processing, 2021, 148, 107159.	4.4	33
43	A comparison study of support vector machines and hidden Markov models in machinery condition monitoring. Journal of Mechanical Science and Technology, 2007, 21, 607-615.	0.7	30
44	Cost effective scheduling of imperfect inspections in systems with hidden failures and rescue possibility. Applied Mathematical Modelling, 2019, 68, 662-674.	2.2	29
45	A Practical Method for Determining the Corten-Dolan Exponent and Its Application to Fatigue Life Prediction. International Journal of Turbo and Jet Engines, 2012, 29, .	0.3	28
46	A New Ordering Method of Basic Events in Fault Tree Analysis. Quality and Reliability Engineering International, 2012, 28, 297-305.	1.4	28
47	A Simulation Method to Estimate Two Types of Time-Varying Failure Rate of Dynamic Systems. Journal of Mechanical Design, Transactions of the ASME, 2016, 138, .	1.7	28
48	A New Cumulative Fatigue Damage Rule Based on Dynamic Residual S-N Curve and Material Memory Concept. Metals, 2018, 8, 456.	1.0	27
49	Improved trajectory similarity-based approach for turbofan engine prognostics. Journal of Mechanical Science and Technology, 2019, 33, 4877-4890.	0.7	27
50	Reliability prediction for evolutionary product in the conceptual design phase using neural network-based fuzzy synthetic assessment. International Journal of Systems Science, 2013, 44, 545-555.	3.7	26
51	Bayesian degradation assessment of CNC machine tools considering unit non-homogeneity. Journal of Mechanical Science and Technology, 2018, 32, 2479-2485.	0.7	24
52	Multidisciplinary collaborative optimization using fuzzy satisfaction degree and fuzzy sufficiency degree model. Soft Computing, 2008, 12, 995-1005.	2.1	23
53	Reliability Bounds for Multi-State k-out-of-n Systems. IEEE Transactions on Reliability, 2008, 57, 53-58.	3.5	23
54	Early Software Quality Prediction Based on a Fuzzy Neural Network Model. , 2007, , .		22

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55	A Bayesian optimal design for degradation tests based on the inverse Gaussian process. Journal of Mechanical Science and Technology, 2014, 28, 3937-3946.	0.7	22
56	Multidisciplinary design optimization with discrete and continuous variables of various uncertainties. Structural and Multidisciplinary Optimization, 2010, 42, 605-618.	1.7	21
57	Optimal load distribution for multi-state systems under selective maintenance strategy. , 2012, , .		21
58	Thermal Cycling Life Prediction of Sn-3.0Ag-0.5Cu Solder Joint Using Type-I Censored Data. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	21
59	Evaluation and decision of products conceptual design schemes based on customer requirements. Journal of Mechanical Science and Technology, 2011, 25, 2413-2425.	0.7	20
60	Fatigue Life Estimation of an Aircaft Engine Under Different Load Spectrums. International Journal of Turbo and Jet Engines, 2012, 29, .	0.3	20
61	Predictive analytics using a nonhomogeneous semi-Markov model and inspection data. IIE Transactions, 2015, 47, 505-520.	2.1	20
62	Reliability assessment of non-repairable multi-state phased mission systems with backup missions. Reliability Engineering and System Safety, 2022, 223, 108462.	5.1	19
63	A Multiphase Decision Model for System Reliability Growth With Latent Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 958-966.	5.9	18
64	Security of Separated Data in Cloud Systems with Competing Attack Detection and Data Theft Processes. Risk Analysis, 2019, 39, 846-858.	1.5	18
65	An optimal sequential preventive maintenance policy under stochastic maintenance quality. Structure and Infrastructure Engineering, 2011, 7, 315-322.	2.0	17
66	Reliability modelling and assessment of a heterogeneously repaired system with partially relevant recurrence data. Applied Mathematical Modelling, 2018, 59, 696-712.	2.2	17
67	A Markov regenerative process model for phased mission systems under internal degradation and external shocks. Reliability Engineering and System Safety, 2021, 215, 107796.	5.1	17
68	A modified damage accumulation model for life prediction of aero€engine materials under combined high and low cycle fatigue loading. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 3121-3134.	1.7	15
69	Interaction Prediction Optimization in Multidisciplinary Design Optimization Problems. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	14
70	Petri nets based coordination component for CSCW environment. Journal of Mechanical Science and Technology, 2005, 19, 1123-1130.	0.7	13
71	An efficient and robust structural reliability analysis method with mixed variables based on hybrid conjugate gradient direction. International Journal for Numerical Methods in Engineering, 2021, 122, 1990-2004.	1.5	13
72	A fuzzy set based solution method for multiobjective optimal design problem of mechanical and structural systems using functional-link net. Neural Computing and Applications, 2006, 15, 239-244.	3.2	12

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73	A Novel Energy-Critical Multiaxial Fatigue Life Prediction for Low Cycle Fatigue under Mixed-Mode Loading. Metals, 2018, 8, 1066.	1.0	11
74	A Novel Algorithm for Structural Reliability Analysis Based on Finite Step Length and Armijo Line Search. Applied Sciences (Switzerland), 2019, 9, 2546.	1.3	11
75	A novel non-linear cumulative fatigue damage model based on the degradation of material memory. International Journal of Damage Mechanics, 2020, 29, 610-625.	2.4	11
76	Reliability analysis of rolling bearings considering internal clearance. Journal of Mechanical Science and Technology, 2020, 34, 3963-3971.	0.7	11
77	Concept optimization for mechanical product using Genetic Algorithm. Journal of Mechanical Science and Technology, 2005, 19, 1072-1079.	0.7	10
78	Fuzzy preference based Interactive Fuzzy Physical Programming and its application in multi-objective optimization. Journal of Mechanical Science and Technology, 2006, 20, 731-737.	0.7	10
79	An efficient approach to reliability-based design optimization within the enhanced sequential optimization and reliability assessment framework. Journal of Mechanical Science and Technology, 2013, 27, 1781-1789.	0.7	10
80	Review of remaining useful life prediction using support vector machine for engineering assets. , 2013, , .		10
81	Life cycle cost analysis for design optimization under uncertainty. , 2009, , .		9
82	Optimization of multi-state elements replacement policy for multi-state systems. , 2010, , .		9
83	Equipment reliability analysis based on the Mean-rank method of two-parameter Weibull distribution. , 2011, , .		9
84	Reliability Analysis of Aircraft Servo-Actuation Systems Using Evidential Networks. International Journal of Turbo and Jet Engines, 2012, 29, .	0.3	9
85	Evidential Networks for Fault Tree Analysis with Imprecise Knowledge. International Journal of Turbo and Jet Engines, 2012, 29, .	0.3	9
86	Bayesian information fusion for degradation analysis of deteriorating products with individual heterogeneity. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 615-622.	0.6	9
87	Measuring Conflicts of Multisource Imprecise Information in Multistate System Reliability Assessment. IEEE Transactions on Reliability, 2022, 71, 1417-1434.	3.5	9
88	Bayesian information fusion method for reliability analysis with failureâ€time data and degradation data. Quality and Reliability Engineering International, 2022, 38, 1944-1956.	1.4	9
89	Hierarchical Colored Petri Nets based components for workflow systems. Journal of Mechanical Science and Technology, 2006, 20, 1527-1533.	0.7	8
90	Reliability analysis of multi-state systems with common cause failure based on Bayesian Networks. , 2012, , .		8

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91	Fatigue Reliability Analysis of Turbine Disk Alloy Using Saddlepoint Approximation. International Journal of Turbo and Jet Engines, 2013, 30, .	0.3	8
92	Fatigue Lifetime Assessment of Aircraft Engine Disc via Multi-source Information Fusion. International Journal of Turbo and Jet Engines, 2014, 31, .	0.3	8
93	Improved Model for Computing Time-Variant Reliability Based on Outcrossing Rate. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, 04020043.	1.1	7
94	Reliability-based design optimization for box-booms considering strength degradation and random total working time. Journal of Mechanical Science and Technology, 2012, 26, 2045-2049.	0.7	6
95	Quantification Classification Algorithm of Multiple Sources of Evidence. International Journal of Information Technology and Decision Making, 2015, 14, 1017-1034.	2.3	6
96	Tolerance‐based reliability and optimization design of switched‐mode power supply. Quality and Reliability Engineering International, 2019, 35, 2774-2784.	1.4	6
97	An algorithm of discrete‐time Bayesian network for reliability analysis of multilevel system with warm spare gate. Quality and Reliability Engineering International, 2021, 37, 1116-1134.	1.4	6
98	Topology Optimization of Piezoelectric Force Sensor. , 2008, , .		5
99	FMECA for aircraft electric system. , 2011, , .		5
100	Generalized-order perturbation with explicit coefficient for damage detection of modular beam. Archive of Applied Mechanics, 2011, 81, 451-472.	1.2	5
101	Non-probabilistic uncertain static responses of imprecisely defined structures with fuzzy parameters. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3177-3189.	0.8	5
102	A Novel Reliability Analysis Method for Turbine Discs with the Mixture of Fuzzy and Probability-Box Variables. International Journal of Turbo and Jet Engines, 2018, .	0.3	5
103	Reliability growth planning based on information gap decision theory. Mechanical Systems and Signal Processing, 2019, 133, 106274.	4.4	5
104	Study on Electrothermal Characteristics of the Reverse-Conducting IGBT (RC-IGBT). , 2020, , .		5
105	A new method of system reliability multi-objective optimization using genetic algorithms. , 0, , .		4
106	Neurocomputing method based on structural finite element analysis of discrete model. Neural Computing and Applications, 2010, 19, 875-882.	3.2	4
107	System reliability modeling and analysis in the possibility context. , 2012, , .		4
108	Importance identification for fault trees based on possibilistic information measurements. Journal of Intelligent and Fuzzy Systems, 2013, 25, 1013-1026.	0.8	4

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109	Reliability analysis of excavator rectifier feedback system with multi-state components based on belief universal generating function method. Journal of Shanghai Jiaotong University (Science), 2015, 20, 344-348.	0.5	4
110	A Modified Model for Nonlinear Fatigue Damage Accumulation of Turbine Disc Considering the Load Interaction Effect. Metals, 2019, 9, 919.	1.0	4
111	Uncertainty estimation of reliability redundancy in complex systems based on the Cross-Entropy method. Journal of Mechanical Science and Technology, 2009, 23, 2612-2623.	0.7	3
112	A Polynomial Algorithm for Model Updating of Engineering Truss#. Mechanics Based Design of Structures and Machines, 2010, 38, 1-24.	3.4	3
113	Fuzzy criticality assessment of FMECA for the SADA based on modified FWGM algorithm & centroid deffuzzification. , 2011, , .		3
114	Parameters determination for adaptive bathtub-shaped curve using artificial fish swarm algorithm. , 2012, , .		3
115	Satellite reliability modeling with modified Weibull extension distribution. , 2012, , .		3
116	Study on modeling and diagnosis of the satellite power system. , 2012, , .		3
117	Unified uncertainty analysis by the extension universal generating functions. , 2012, , .		3
118	System Reliability Based Design Optimization with Monte Carlo simulation. , 2012, , .		3
119	Notice of Retraction A novel dynamic fault tree analysis method. , 2013, , .		3
120	Characterizing wafer stage transmission errors via binary decision diagram and dynamic fault tree. Journal of Mechanical Science and Technology, 2018, 32, 5111-5119.	0.7	3
121	Fatigue reliability analysis of crack growth life using maximum entropy method. Advances in Mechanical Engineering, 2018, 10, 168781401877589.	0.8	3
122	A framework for fatigue reliability analysis of high-pressure turbine blades. Annals of Operations Research, 2022, 311, 489-505.	2.6	3
123	Bayesian prior information fusion for power law process via evidence theory. Communications in Statistics - Theory and Methods, 2020, , 1-19.	0.6	3
124	A framework for structural reliability analysis based on conjugate sensitivity factor and saddlepoint approximation. Journal of Mechanical Science and Technology, 2020, 34, 3617-3627.	0.7	3
125	Remaining useful life prediction model of the space station. Eksploatacja I Niezawodnosc, 2019, 21, 501-510.	1.1	3
126	A Frame-to-Frame Scan Matching Algorithm for 2D Lidar Based on Attention. Applied Sciences (Switzerland), 2022, 12, 4341.	1.3	3

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127	Concurrent Engineering based collaborative design Under network environment. Journal of Mechanical Science and Technology, 2006, 20, 1534-1540.	0.7	2
128	Grid service reliability modeling on fault recovery and optimal task scheduling. Reliability and Maintainability Symposium (RAMS), Annual, 2009, , .	0.0	2
129	Reliability analysis of a repairable parallel system with repair time omission. , 2009, , .		2
130	Adaptive bathtub hazard rate curve modelling via transformed radial basis functions. , 2011, , .		2
131	Reliability analysis of CNC hydraulic system based on fuzzy fault tree. , 2011, , .		2
132	Flight control system reliability study based on hIdden Markov Model imperfect fault coverage model-Hidden Markov Model. , 2011, , .		2
133	A combined Bayesian framework for satellite reliability estimation. , 2011, , .		2
134	Analysis and study on BIT false alarm of flight control system in the sensing layer. , 2012, , .		2
135	Unified uncertainty analysis using the maximum entropy approach and simulation. , 2012, , .		2
136	A general energy-based model for fatigue life prediction of high-temperature structural materials. , 2012, , .		2
137	Design FMEA for a diesel engine using two risk priority numbers. , 2012, , .		2
138	Remaining useful life estimation for degradation and shock processes. , 2013, , .		2
139	Applying FAHP to safety and risk assessment of CNC spindle system based on Hilbert space. , 2013, , .		2
140	Dynamic precision reliability analysis for six degrees of freedom micro-displacement mechanism of reticle stage in lithography machine based on Monte-Carlo. , 2013, , .		2
141	A model to predict the residual life of aero-engine based upon Support Vector Machine. , 2013, , .		2
142	Reliability Analysis of C4ISR Systems Based on Goal-Oriented Methodology. Applied Sciences (Switzerland), 2021, 11, 6335.	1.3	2
143	A case study on safety integrity level analysis for shale gas station. Journal of Mechanical Science and Technology, 2021, 35, 5445-5452.	0.7	2
144	Reliability modeling study of in-orbit satellite systems. , 2009, , .		1

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145	Reliability assessment of ring-standby structure based on monte carlo simulation. , 2009, , .		1
146	Optimal selective maintenance for multi-state systems under imperfect maintenance. Reliability and Maintainability Symposium (RAMS), Annual, 2009, , .	0.0	1
147	Development of possibility distributions for fatigue lifetime data analysis. , 2011, , .		1
148	Bayesian inference of Weibull distribution based on probability encoding method. , 2011, , .		1
149	Topology optimization considering stress and reliability constraints. , 2011, , .		1
150	Reliability analysis of aircraft servo-actuation systems based on the evidential networks with imprecise information. , 2011, , .		1
151	Structural topology optimization method considering reliability and corrosion. , 2011, , .		1
152	Part reliability design of centrifugal nozzle under thermal stress-dependent strength using polynomial method. , 2011, , .		1
153	Reliability-based design of a spindle based on random and interval variables. , 2011, , .		1
154	Curve fitting with weight assignment under evidence theory combination rule. , 2011, , .		1
155	Apply degree of match & fuzzy rule based mode for FMECA in flight control system. , 2012, , .		1
156	Weibull distributed TSDS analysis of aeroengine burner inner-liner using bi-variant LFP method. , 2012, , .		1
157	Chaotic transfer model of quality characteristics variation. , 2012, , .		1
158	Probabilistic modeling of damage accumulation for fatigue reliability analysis. , 2012, , .		1
159	Simulation of civil aircraft emergency evacuation account for physical attributes of passengers. , 2012, , .		1
160	Reliability analysis of satellite system with cold-standby components using sequential binary decision diagrams. , 2013, , .		1
161	Notice of Retraction Application of beta factor method for reliability evaluation of EHSV. , 2013, , .		1
162	Metamodeling uncertainty quantification in multi-level engineering system design. , 2013, , .		1

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163	Optimizing maritime travel time reliability. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2013, 227, 167-176.	0.3	1
164	Fatigue lifetime assessment of aircraft engine disc based on multi-source information fusion. , 2013, , .		1
165	Notice of Retraction Residual lifetime prediction of a vehicle engine using fuzzy similarity analysis. , 2013, , .		1
166	Reliability optimization for redundant Flight Control System based on genetic algorithm. , 2013, , .		1
167	Notice of Retraction A study on vibration fatigue of engineering structures. , 2013, , .		1
168	Fault diagnosis and risk control of aircraft electric system based on IAHP and Bayesian network. , 2013, , .		1
169	Notice of Retraction Creep life prediction model of aircraft turbine disc alloy based on continuum damage mechanics. , 2013, , .		1
170	Reliability analysis of an electric control system based on type I censored test zero-failure data using Bayesian methods. , 2013, , .		1
171	Weighted Fuzzy Risk Priority Number Evaluation of Turbine and Compressor Blades Considering Failure Mode Correlations. International Journal of Turbo and Jet Engines, 2014, 31, .	0.3	1
172	Reply to Comment on the Paper Entitled â€œA New Cumulative Fatigue Damage Rule Based on Dynamic Residual S-N Curve and Material Memory Conceptâ€•by Peng Z., Huang H., Zhou J. and Li Y. Published in Metals (2018; 8(6): 456). Metals, 2020, 10, 8.	1.0	1
173	Open Localization in 3D Package with TSV Daisy Chain Using Magnetic Field Imaging and High-Resolution Three-Dimensional X-ray Microscopy. Applied Sciences (Switzerland), 2021, 11, 8148.	1.3	1
174	Time-Dependent Reliability Model of Structures Under Different Stochastic Loads. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2020, 6, .	0.7	1
175	Reliability Modeling and Analysis of Multi-Degradation of Momentum Wheel Based on Copula Function. Applied Sciences (Switzerland), 2021, 11, 11563.	1.3	1
176	Hopfield Network Based Optimization of Mechanical Design. , 0, , .		0
177	Reliability analysis based on combination of universal generating function and discrete approach. , 2011, , .		0
178	Reliability estimation of milling head based on accelerated Bayesian degradation test. , 2011, , .		0
179	A numerical model with age reduction factor for warm spare. , 2011, , .		0
180	Bayesian reliability evaluation method for the rotor. , 2011, , .		0

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181	An estimation method of system performance degradation state based on fault tree method. , 2011, , .		0
182	Data-driven approach for imperfect maintenance model selection. , 2011, , .		0
183	A bootstrap-based method for processing accelerated life test data. , 2011, , .		0
184	Maintainability verification for airplanes with small samples based on similarity degree. , 2011, , .		0
185	Application of reliability-based multidisciplinary design optimization to folding mechanism. , 2011, , .		0
186	Reliability model of distributed simulation system. , 2011, , .		0
187	Game model of Flight-Control-System reliability under uncertain maintenance cost. , 2012, , .		0
188	Speed reducer multidisciplinary design optimization based on uncertainty analysis. , 2012, , .		0
189	Fuzzy fault tree analysis of uncontained event of an areo-engine rotor. , 2012, , .		0
190	Reliability analysis of a satellite system considering common cause failures. , 2012, , .		0
191	Application of bullet elimination in reliability computation of standard complex system. , 2012, , .		0
192	Bi-variant LFP method for Rayleigh distributed TSDS analysis of aeroengine combustion cylinder. , 2012, , .		0
193	Interaction prediction optimization in multidisciplinary design environment. , 2012, , .		0
194	A study on fatigue damage accumulation based on continuum damage mechanics. , 2012, , .		0
195	A study on uncertainty analysis of fatigue reliability. , 2012, , .		0
196	A new fatigue damage accumulation model based on nonlinear continuum damage mechanics. , 2012, , .		0
197	Application of FMECA and FTA in the fault diagnosis for diesel engine. , 2012, , .		0
198	Possibilistic reliability function analysis of multi-state systems. , 2012, , .		0

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199	Analysis of fatigue strength of rail axle-steel based on possibility theory. , 2012, , .		0
200	Notice of Retraction A study on Bayesian design of degradation tests with the inverse Gaussian processes. , 2013, , .		0
201	Reliability analysis of an automated aircraft structural parts production line. , 2013, , .		0
202	Notice of Retraction Mean-value first order saddlepoint approximation based collaborative optimization for multidisciplinary problems under aleatory uncertainty. , 2013, , .		0
203	Fault tree analysis on kinematic accuracy of wafer stage using BDD and DFTA technique. , 2013, , .		0
204	An efficient fatigue-creep interaction life prediction model based on frequency separation and strain energy damage theory. , 2013, , .		0
205	Reliability evaluation of lithography machines using an customer satisfaction index. , 2013, , .		0
206	An E-Bayesian estimation for reliability assessment of a success-failure type device. , 2013, , .		0
207	Using neural network to predict reliability of lithography machine. , 2013, , .		0
208	The life prediction of lead-free solder joint with type-I interval censored data. , 2013, , .		0
209	Notice of Retraction A nonlinear fatigue damage accumulation model accounting for load interaction effects. , 2013, , .		0
210	Notice of Retraction Lifetime assessment of inertial navigation devices. , 2013, , .		0
211	Notice of Retraction A modified non-linear damage accumulation model considering load interaction effects under two-level loading. , 2013, , .		0
212	Notice of Retraction Robust design of a gearbox transmission system based on maximal variation. , 2013, , .		0
213	Notice of Retraction A failure rate model analysis for repairable system. , 2013, , .		0
214	Notice of Retraction Uncertainty analysis of correlated crack growth parameters using copula functions. , 2013, , .		0
215	Notice of Retraction Probabilistic fatigue life prediction of turbine disc considering model parameters uncertainty. , 2013, , .		0
216	Dynamic error analysis for six degrees of freedom micro-displacement mechanism in reticle stage of lithography machine. , 2013, , .		0

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217	Notice of Retraction Fatigue life estimation considering strengthening of low amplitude loads using grey model. , 2013, , .		0
218	Weibull distribution research based on Fourier series. , 2013, , .		0
219	Notice of Retraction Multidisciplinary design optimization based on physical programming. , 2013, , .		0
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