Jianguo Zhang

List of Publications by Year
in descending order

25 papers	132 citations	1478505 6 h-index	1281871 11 g-index
25 all docs	25 docs citations	25 times ranked	115 citing authors

#	Article	IF	Citations
1	Uncertainty Theory-Based Structural Reliability Analysis and Design Optimization under Epistemic Uncertainty. Applied Sciences (Switzerland), 2022, 12, 2846.	2.5	6
2	A Data-Driven Maintenance Framework Under Imperfect Inspections for Deteriorating Systems Using Multitask Learning-Based Status Prognostics. IEEE Access, 2021, 9, 3616-3629.	4.2	10
3	Uncertain process–based reliability and maintenance modeling for systems under mutually dependent degradation and shock processes. Quality and Reliability Engineering International, 2021, 37, 3638.	2.3	6
4	A credibilistic failure indicator for modeling structural reliability design optimization. Soft Computing, 2020, 24, 2609-2615.	3.6	3
5	Advanced reliability analysis method for mechanisms based on uncertain measure. Journal of Intelligent and Fuzzy Systems, 2020, 39, 1045-1059.	1.4	2
6	Components Interaction Safety Analysis Method Based on STAMP and Formal Verification. , 2020, , .		0
7	Reliability analysis of structures based on a probability–uncertainty hybrid model. Quality and Reliability Engineering International, 2019, 35, 263-279.	2.3	19
8	A new structural reliability index based on uncertainty theory. Chinese Journal of Aeronautics, 2017, 30, 1451-1458.	5.3	28
9	An analytic method based on plane decomposition for solving two-stage fuzzy EV programming problem. Journal of Intelligent and Fuzzy Systems, 2017, 33, 2235-2247.	1.4	2
10	Hybrid Reliability Analysis for Spacecraft Docking Lock with Random and Interval Uncertainty. International Journal of Aerospace Engineering, 2017, 2017, 1-9.	0.9	5
11	A Bayesian–based Reliability Estimation Approach for Corrosion Fatigue Crack Growth Utilizing the Random Walk. Quality and Reliability Engineering International, 2016, 32, 2519-2535.	2.3	8
12	A time-variant reliability modeling and analysis method of multi-state complex electromechanical system. , 2015, , .		0
13	A Bayesian approach for a complex system utilizing imperfect information. , 2015, , .		0
14	ABCLS method for high-reliability aerospace mechanism with truncated random uncertainties. Chinese Journal of Aeronautics, 2015, 28, 1066-1075.	5.3	5
15	Reliability modeling of complex mechanism system using GBN. , 2015, , .		0
16	The hybrid uncertain neural network method for mechanical reliability analysis. International Journal of Aeronautical and Space Sciences, 2015, 16, 510-519.	2.0	10
17	Design of mechatronic-hydraulic product dynamic and multi-state reliability simulation platform. , 2013, , .		1
18	Time-variant reliability analysis of mechatronic product based on PSO and Up-crossing rate approach. , 2013, , .		0

#	Article	IF	Citations
19	A time-variant reliability approach for mechanical structures for non-linear behaviour. , 2012, , .		2
20	A non-probabilistic reliability analysis on uncertainties systems. , 2012, , .		0
21	Neural Networks Combined with Importance Sampling Techniques for Reliability Evaluation of Explosive Initiating Device. Chinese Journal of Aeronautics, 2012, 25, 208-215.	5.3	20
22	Safety analysis for complex system based on the finite state machine theory. , 2011, , .		3
23	Research of PFMEA application based on computer aided process planning. , 2009, , .		2
24	The reliability simulation and optimization analysis for pusherchain transmission. , 2009, , .		0
25	The motion reliability simulation and analysis of main rotor head of helicopter rotor system. , 2009, , .		0