

# Lechang Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

244  
citations

1040056

9  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of lightweight 316L stainless steel lattice structures fabricated by selective laser melting. <i>Materials and Design</i> , 2019, 181, 108076.	7.0	104
2	On the performance evaluation of a hierarchical-structure prototype product using inconsistent prior information and limited test data. <i>Information Sciences</i> , 2019, 485, 362-375.	6.9	20
3	Reliability analysis of a complex system with hybrid structures and multi-level dependent life metrics. <i>Reliability Engineering and System Safety</i> , 2021, 209, 107469.	8.9	14
4	Reliability analysis of a nonlinear rotor/stator contact system in the presence of aleatory and epistemic uncertainty. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 4089-4101.	1.5	13
5	Combining pre- and post-model information in the uncertainty quantification of non-deterministic models using an extended Bayesian melding approach. <i>Information Sciences</i> , 2019, 502, 146-163.	6.9	12
6	Reliability Assessment of a Hierarchical System Subjected to Inconsistent Priors and Multilevel Data. <i>IEEE Transactions on Reliability</i> , 2020, 69, 277-292.	4.6	11
7	Uncertainty representation and quantification for a nonlinear rotor/stator system with mixed uncertainties. <i>Journal of Vibroengineering</i> , 2016, 18, 4836-4851.	1.0	11
8	Bayesian-based information extraction and aggregation approach for multilevel systems with multi-source data. <i>Journal of Systems Engineering and Electronics</i> , 2017, 28, 385.	2.2	10
9	A New SORM Method for Structural Reliability with Hybrid Uncertain Variables. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 346.	2.5	10
10	A Novel Bayesian Melding Approach for Reliability Estimation Subjected to Inconsistent Priors and Heterogeneous Data Sets. <i>IEEE Access</i> , 2018, 6, 38835-38850.	4.2	9
11	A Bayesian-based Reliability Estimation Approach for Corrosion Fatigue Crack Growth Utilizing the Random Walk. <i>Quality and Reliability Engineering International</i> , 2016, 32, 2519-2535.	2.3	8
12	Bayesian inversion for imprecise probabilistic models using a novel entropy-based uncertainty quantification metric. <i>Mechanical Systems and Signal Processing</i> , 2022, 162, 107954.	8.0	8
13	Reliability Analysis to a Satellite-Equipped Harmonic Gear Drive Subjected to Multisource Data and Imbalanced Information. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-16.	0.9	5
14	Enriching stochastic model updating metrics: An efficient Bayesian approach using Bray-Curtis distance and an adaptive binning algorithm. <i>Mechanical Systems and Signal Processing</i> , 2022, 171, 108889.	8.0	4
15	Optimization or Bayesian Strategy? Performance of the Bhattacharyya Distance in Different Algorithms of Stochastic Model Updating. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2021, 7, .	1.1	3
16	On investigation of the Bayesian anomaly in multiple imprecise dependent information aggregation for system reliability evaluation. <i>International Journal of Intelligent Systems</i> , 2021, 36, 2895-2921.	5.7	2
17	A Bayesian approach for a complex system utilizing imperfect information. , 2015, , .		0
18	Reliability modeling of complex mechanism system using GBN. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	A Likelihood-Based Approach of Uncertainty Quantification Using Both Sparse Point Data and Interval Estimates. , 2019, , .		0
20	Bayesian Information Fusion for Imprecise Probabilistic Models with Different Types of Information. , 2021, , .		0