

# Xufeng Yang

## List of Publications by Year in descending order

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22  
papers

712  
citations

687363

13  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

328  
citing authors

#	ARTICLE	IF	CITATIONS
1	An active learning kriging model for hybrid reliability analysis with both random and interval variables. <i>Structural and Multidisciplinary Optimization</i> , 2015, 51, 1003-1016.	3.5	155
2	System reliability analysis through active learning Kriging model with truncated candidate region. <i>Reliability Engineering and System Safety</i> , 2018, 169, 235-241.	8.9	97
3	Probability and convex set hybrid reliability analysis based on active learning Kriging model. <i>Applied Mathematical Modelling</i> , 2015, 39, 3954-3971.	4.2	84
4	Hybrid reliability analysis with both random and probability-box variables. <i>Acta Mechanica</i> , 2015, 226, 1341-1357.	2.1	54
5	A system reliability analysis method combining active learning Kriging model with adaptive size of candidate points. <i>Structural and Multidisciplinary Optimization</i> , 2019, 60, 137-150.	3.5	54
6	Active Learning Kriging Model Combining With Kernel-Density-Estimation-Based Importance Sampling Method for the Estimation of Low Failure Probability. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2018, 140, .	2.9	49
7	Unified reliability analysis by active learning Kriging model combining with random-set based Monte Carlo simulation method. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 108, 1343-1361.	2.8	47
8	Structural reliability analysis under evidence theory using the active learning kriging model. <i>Engineering Optimization</i> , 2017, 49, 1922-1938.	2.6	27
9	Active learning method combining Kriging model and multimodal-optimization-based importance sampling for the estimation of small failure probability. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 4843-4864.	2.8	26
10	Estimation of low failure probability based on active learning Kriging model with a concentric ring approaching strategy. <i>Structural and Multidisciplinary Optimization</i> , 2018, 58, 1175-1186.	3.5	23
11	System reliability analysis with small failure probability based on active learning Kriging model and multimodal adaptive importance sampling. <i>Structural and Multidisciplinary Optimization</i> , 2020, 62, 581-596.	3.5	21
12	A novel active learning method for profust reliability analysis based on the Kriging model. <i>Engineering With Computers</i> , 2022, 38, 3111-3124.	6.1	19
13	Bounds approximation of limit-state surface based on active learning Kriging model with truncated candidate region for random-interval hybrid reliability analysis. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 1345-1366.	2.8	14
14	An efficient Kriging method for global sensitivity of structural reliability analysis with non-probabilistic convex model. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2015, 229, 442-455.	0.7	10
15	An efficient hybrid reliability analysis method based on active learning Kriging model and multimodal-optimization-based importance sampling. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 7664-7682.	2.8	8
16	A global nonprobabilistic reliability sensitivity analysis in the mixed aleatory-epistemic uncertain structures. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering</i> , 2014, 228, 1802-1814.	1.3	7
17	An enhanced active learning Kriging model for evidence theory-based reliability analysis. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 2165-2181.	3.5	7
18	Nonlinear analysis of the locomotive traction system with rub-impact and nonlinear stiffness. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401881463.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Parametric Sensitivity Analysis for Importance Measure on Failure Probability and Its Efficient Kriging Solution. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-13.	1.1	2
20	An adaptive method fusing the kriging model and multimodal importance sampling for profust reliability analysis. <i>Engineering Optimization</i> , 2022, 54, 1870-1886.	2.6	2
21	Discussion of "Reliability-based design optimization with dependent interval variables" by Xiaoping Du, <i>International Journal for Numerical Methods in Engineering</i> 2012; 91:218-228. <i>International Journal for Numerical Methods in Engineering</i> , 2014, 99, 542-544.	2.8	1
22	Reliability Analysis of Wheel fatigue strength based on active learning Kriging Model. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1043, 052057.	0.6	0