Xufeng Yang

List of Publications by Year
in descending order

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	A novel active learning method for profust reliability analysis based on the Kriging model. Engineering With Computers, 2022, 38, 3111-3124.	6.1	19
2	An adaptive method fusing the kriging model and multimodal importance sampling for profust reliability analysis. Engineering Optimization, 2022, 54, 1870-1886.	2.6	2
3	Reliability Analysis of Wheel fatigue strength based on active learning Kriging Model. IOP Conference Series: Materials Science and Engineering, 2021, 1043, 052057.	0.6	0
4	An enhanced active learning Kriging model for evidence theory-based reliability analysis. Structural and Multidisciplinary Optimization, 2021, 64, 2165-2181.	3.5	7
5	An efficient hybrid reliability analysis method based on active learning Kriging model and multimodalâ€optimizationâ€based importance sampling. International Journal for Numerical Methods in Engineering, 2021, 122, 7664-7682.	2.8	8
6	Bounds approximation of limitâ€state surface based on active learning Kriging model with truncated candidate region for randomâ€interval hybrid reliability analysis. International Journal for Numerical Methods in Engineering, 2020, 121, 1345-1366.	2.8	14
7	Active learning method combining Kriging model and multimodalâ€optimizationâ€based importance sampling for the estimation of small failure probability. International Journal for Numerical Methods in Engineering, 2020, 121, 4843-4864.	2.8	26
8	System reliability analysis with small failure probability based on active learning Kriging model and multimodal adaptive importance sampling. Structural and Multidisciplinary Optimization, 2020, 62, 581-596.	3.5	21
9	A system reliability analysis method combining active learning Kriging model with adaptive size of candidate points. Structural and Multidisciplinary Optimization, 2019, 60, 137-150.	3.5	54
10	Active Learning Kriging Model Combining With Kernel-Density-Estimation-Based Importance Sampling Method for the Estimation of Low Failure Probability. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	2.9	49
11	Estimation of low failure probability based on active learning Kriging model with a concentric ring approaching strategy. Structural and Multidisciplinary Optimization, 2018, 58, 1175-1186.	3.5	23
12	System reliability analysis through active learning Kriging model with truncated candidate region. Reliability Engineering and System Safety, 2018, 169, 235-241.	8.9	97
13	Nonlinear analysis of the locomotive traction system with rub-impact and nonlinear stiffness. Advances in Mechanical Engineering, 2018, 10, 168781401881463.	1.6	5
14	Structural reliability analysis under evidence theory using the active learning kriging model. Engineering Optimization, 2017, 49, 1922-1938.	2.6	27
15	Unified reliability analysis by active learning Kriging model combining with randomâ€set based Monte Carlo simulation method. International Journal for Numerical Methods in Engineering, 2016, 108, 1343-1361.	2.8	47
16	Parametric Sensitivity Analysis for Importance Measure on Failure Probability and Its Efficient Kriging Solution. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	2
17	An efficient Kriging method for global sensitivity of structural reliability analysis with non-probabilistic convex model. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2015, 229, 442-455.	0.7	10
18	Probability and convex set hybrid reliability analysis based on active learning Kriging model. Applied Mathematical Modelling, 2015, 39, 3954-3971.	4.2	84

#	Article	IF	Citations
19	Hybrid reliability analysis with both random and probability-box variables. Acta Mechanica, 2015, 226, 1341-1357.	2.1	54
20	An active learning kriging model for hybrid reliability analysis with both random and interval variables. Structural and Multidisciplinary Optimization, 2015, 51, 1003-1016.	3.5	155
21	Discussion of â€œReliabilityâ€based design optimization with dependent interval variablesâ€•by Xiaoping Du, International Journal for Numerical Methods in Engineering 2012; 91:218â€"228. International Journal for Numerical Methods in Engineering, 2014, 99, 542-544.	2.8	1
22	A global nonprobabilistic reliability sensitivity analysis in the mixed aleatoryâ€"epistemic uncertain structures. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 1802-1814.	1.3	7