Yicheng Zhou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5827246/publications.pdf

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18	528	933447 10	888059 17
papers	citations	h-index	g-index

18	18	18	270
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	AK-SYSi: an improved adaptive Kriging model for system reliability analysis with multiple failure modes by a refined U learning function. Structural and Multidisciplinary Optimization, 2019, 59, 263-278.	3.5	115
2	Global sensitivity analysis using support vector regression. Applied Mathematical Modelling, 2017, 49, 587-598.	4.2	78
3	A novel learning function based on Kriging for reliability analysis. Reliability Engineering and System Safety, 2020, 198, 106857.	8.9	70
4	A Bayesian Monte Carlo-based method for efficient computation of global sensitivity indices. Mechanical Systems and Signal Processing, 2019, 117, 498-516.	8.0	54
5	Active sparse polynomial chaos expansion for system reliability analysis. Reliability Engineering and System Safety, 2020, 202, 107025.	8.9	43
6	An enhanced Kriging surrogate modeling technique for high-dimensional problems. Mechanical Systems and Signal Processing, 2020, 140, 106687.	8.0	36
7	Surrogate modeling of high-dimensional problems via data-driven polynomial chaos expansions and sparse partial least square. Computer Methods in Applied Mechanics and Engineering, 2020, 364, 112906.	6.6	27
8	Active Polynomial Chaos Expansion for Reliability-Based Design Optimization. AIAA Journal, 2019, 57, 5431-5446.	2.6	23
9	An efficient and robust adaptive sampling method for polynomial chaos expansion in sparse Bayesian learning framework. Computer Methods in Applied Mechanics and Engineering, 2019, 352, 654-674.	6.6	21
10	An expanded sparse Bayesian learning method for polynomial chaos expansion. Mechanical Systems and Signal Processing, 2019, 128, 153-171.	8.0	16
11	Global sensitivity analysis for fuzzy inputs based on the decomposition of fuzzy output entropy. Engineering Optimization, 2018, 50, 1078-1096.	2.6	11
12	Adaboost-based ensemble of polynomial chaos expansion with adaptive sampling. Computer Methods in Applied Mechanics and Engineering, 2022, 388, 114238.	6.6	10
13	Sparse polynomial chaos expansions for global sensitivity analysis with partial least squares and distance correlation. Structural and Multidisciplinary Optimization, 2019, 59, 229-247.	3.5	9
14	A new surrogate modeling method combining polynomial chaos expansion and Gaussian kernel in a sparse Bayesian learning framework. International Journal for Numerical Methods in Engineering, 2019, 120, 498-516.	2.8	7
15	The copula-based method for statistical analysis of step-stress accelerated life test with dependent competing failure modes. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 401-418.	0.7	5
16	Distance correlation-based method for global sensitivity analysis of models with dependent inputs. Structural and Multidisciplinary Optimization, 2019, 60, 1189-1207.	3.5	2
17	A vine copulaâ€“based method for analyzing the moment-independent importance measure of the multivariate output. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 338-354.	0.7	1
18	Variational Bayesian inference-based polynomial chaos expansion: Application to time-variantreliability analysis. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 0, , 1748006X2110555.	0.7	0