

Yicheng Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

528
citations

933447

10
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

270
citing authors

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