Chong Wang

List of Publications by Year
in descending order

36 papers	869 citations	394421 19 h-index	477307 29 g-index
36 all docs	36 docs citations	36 times ranked	386 citing authors

#	Article	IF	Citations
1	Novel reliability-based optimization method for thermal structure with hybrid random, interval and fuzzy parameters. Applied Mathematical Modelling, 2017, 47, 573-586.	4.2	104
2	Epistemic uncertainty-based reliability analysis for engineering system with hybrid evidence and fuzzy variables. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 438-455.	6.6	56
3	An interval perturbation method for exterior acoustic field prediction with uncertain-but-bounded parameters. Journal of Fluids and Structures, 2014, 49, 441-449.	3.4	48
4	Evidence theory-based reliability optimization design using polynomial chaos expansion. Computer Methods in Applied Mechanics and Engineering, 2018, 341, 640-657.	6.6	48
5	Collocation methods for uncertain heat convection-diffusion problem with interval input parameters. International Journal of Thermal Sciences, 2016, 107, 230-236.	4.9	41
6	Hybrid uncertainty propagation in structural-acoustic systems based on the polynomial chaos expansion and dimension-wise analysis. Computer Methods in Applied Mechanics and Engineering, 2017, 320, 198-217.	6.6	39
7	Fuzzy interval perturbation method for uncertain heat conduction problem with interval and fuzzy parameters. International Journal for Numerical Methods in Engineering, 2015, 104, 330-346.	2.8	37
8	Subinterval perturbation methods for uncertain temperature field prediction with large fuzzy parameters. International Journal of Thermal Sciences, 2016, 100, 381-390.	4.9	34
9	Uncertainty propagation of heat conduction problem with multiple random inputs. International Journal of Heat and Mass Transfer, 2016, 99, 95-101.	4.8	30
10	Non-probabilistic interval process model and method for uncertainty analysis of transient heat transfer problem. International Journal of Thermal Sciences, 2019, 144, 147-157.	4.9	30
11	Recent Advances in Surrogate Modeling Methods for Uncertainty Quantification and Propagation. Symmetry, 2022, 14, 1219.	2.2	30
12	Collocation methods for fuzzy uncertainty propagation in heat conduction problem. International Journal of Heat and Mass Transfer, 2017, 107, 631-639.	4.8	29
13	Fuzzy stochastic finite element method for the hybrid uncertain temperature field prediction. International Journal of Heat and Mass Transfer, 2015, 91, 512-519.	4.8	26
14	Improved numerical prediction and reliability-based optimization of transient heat conduction problem with interval parameters. Structural and Multidisciplinary Optimization, 2015, 51, 113-123.	3.5	25
15	A modified parallelepiped model for non-probabilistic uncertainty quantification and propagation analysis. Computer Methods in Applied Mechanics and Engineering, 2020, 369, 113209.	6.6	25
16	Uncertainty analysis for heat convection-diffusion problem with large uncertain-but-bounded parameters. Acta Mechanica, 2015, 226, 3831-3844.	2.1	23
17	Dual interval-and-fuzzy analysis method for temperature prediction with hybrid epistemic uncertainties via polynomial chaos expansion. Computer Methods in Applied Mechanics and Engineering, 2018, 336, 171-186.	6.6	22
18	Novel interval theory€based parameter identification method for engineering heat transfer systems with epistemic uncertainty. International Journal for Numerical Methods in Engineering, 2018, 115, 756-770.	2.8	21

#	ARTICLE	IF	CITATIONS
19	Numerical analysis of uncertain temperature field by stochastic finite difference method. Science China: Physics, Mechanics and Astronomy, 2014, 57, 698-707.	5.1	20
20	Fuzzy finite difference method for heat conduction analysis with uncertain parameters. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 383-390.	3.4	18
21	Evidence-theory-based model validation method for heat transfer system with epistemic uncertainty. International Journal of Thermal Sciences, 2018, 132, 618-627.	4.9	18
22	Epistemic uncertainty-based model validation via interval propagation and parameter calibration. Computer Methods in Applied Mechanics and Engineering, 2018, 342, 161-176.	6.6	17
23	Evidence-theory-based uncertain parameter identification method for mechanical systems with imprecise information. Computer Methods in Applied Mechanics and Engineering, 2019, 351, 281-296.	6.6	16
24	Hybrid evidence-and-fuzzy uncertainty propagation under a dual-level analysis framework. Fuzzy Sets and Systems, 2019, 367, 51-67.	2.7	15
25	Random model with fuzzy distribution parameters for hybrid uncertainty propagation in engineering systems. Computer Methods in Applied Mechanics and Engineering, 2020, 359, 112673.	6.6	15
26	Coupled fuzzy-interval model and method for structural response analysis with non-probabilistic hybrid uncertainties. Fuzzy Sets and Systems, 2021, 417, 171-189.	2.7	15
27	Optimization-based inverse analysis for membership function identification in fuzzy steady-state heat transfer problem. Structural and Multidisciplinary Optimization, 2018, 57, 1495-1505.	3.5	13
28	Chromatin-modifying elements for recombinant protein production in mammalian cell systems. Critical Reviews in Biotechnology, 2020, 40, 1035-1043.	9.0	11
29	Mixed Nonprobabilistic Reliability-Based Optimization Method for Heat Transfer System With Fuzzy and Interval Parameters. IEEE Transactions on Reliability, 2017, 66, 630-640.	4.6	9
30	Novel data-driven method for non-probabilistic uncertainty analysis of engineering structures based on ellipsoid model. Computer Methods in Applied Mechanics and Engineering, 2022, 394, 114889.	6.6	9
31	An Efficient Anomaly Detection for High-Speed Train Braking System Using Broad Learning System. IEEE Access, 2021, 9, 63825-63832.	4.2	7
32	Interval finite difference method for steady-state temperature field prediction with interval parameters. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 161-166.	3.4	6
33	Equivalent method for accurate solution to linear interval equations. Applied Mathematics and Mechanics (English Edition), 2013, 34, 1031-1042.	3.6	4
34	Interval analysis of transient temperature field with uncertain-but-bounded parameters. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1959-1966.	5.1	4
35	Modified perturbation method for eigenvalues of structure with interval parameters. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-9.	5.1	3
36	Fusion with matrix attachment regions enhances expression of recombinant protein in human HT-1080 cells. Journal of Bioscience and Bioengineering, 2020, 130, 533-538.	2.2	1