

# Chong Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3869221/publications.pdf>

Version: 2024-02-01

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 data-driven method for non-probabilistic uncertainty analysis of engineering structures based on ellipsoid model. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 394, 114889.	6.6	9
2	Recent Advances in Surrogate Modeling Methods for Uncertainty Quantification and Propagation. <i>Symmetry</i> , 2022, 14, 1219.	2.2	30
3	Coupled fuzzy-interval model and method for structural response analysis with non-probabilistic hybrid uncertainties. <i>Fuzzy Sets and Systems</i> , 2021, 417, 171-189.	2.7	15
4	An Efficient Anomaly Detection for High-Speed Train Braking System Using Broad Learning System. <i>IEEE Access</i> , 2021, 9, 63825-63832.	4.2	7
5	Random model with fuzzy distribution parameters for hybrid uncertainty propagation in engineering systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 359, 112673.	6.6	15
6	Fusion with matrix attachment regions enhances expression of recombinant protein in human HT-1080 cells. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 533-538.	2.2	1
7	Chromatin-modifying elements for recombinant protein production in mammalian cell systems. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 1035-1043.	9.0	11
8	A modified parallelepiped model for non-probabilistic uncertainty quantification and propagation analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 369, 113209.	6.6	25
9	Epistemic uncertainty-based reliability analysis for engineering system with hybrid evidence and fuzzy variables. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 355, 438-455.	6.6	56
10	Non-probabilistic interval process model and method for uncertainty analysis of transient heat transfer problem. <i>International Journal of Thermal Sciences</i> , 2019, 144, 147-157.	4.9	30
11	Evidence-theory-based uncertain parameter identification method for mechanical systems with imprecise information. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 351, 281-296.	6.6	16
12	Hybrid evidence-and-fuzzy uncertainty propagation under a dual-level analysis framework. <i>Fuzzy Sets and Systems</i> , 2019, 367, 51-67.	2.7	15
13	Novel interval theory-based parameter identification method for engineering heat transfer systems with epistemic uncertainty. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 115, 756-770.	2.8	21
14	Dual interval-and-fuzzy analysis method for temperature prediction with hybrid epistemic uncertainties via polynomial chaos expansion. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 336, 171-186.	6.6	22
15	Optimization-based inverse analysis for membership function identification in fuzzy steady-state heat transfer problem. <i>Structural and Multidisciplinary Optimization</i> , 2018, 57, 1495-1505.	3.5	13
16	Evidence-theory-based model validation method for heat transfer system with epistemic uncertainty. <i>International Journal of Thermal Sciences</i> , 2018, 132, 618-627.	4.9	18
17	Evidence theory-based reliability optimization design using polynomial chaos expansion. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 341, 640-657.	6.6	48
18	Epistemic uncertainty-based model validation via interval propagation and parameter calibration. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 342, 161-176.	6.6	17

#	ARTICLE	IF	CITATIONS
19	Novel reliability-based optimization method for thermal structure with hybrid random, interval and fuzzy parameters. <i>Applied Mathematical Modelling</i> , 2017, 47, 573-586.	4.2	104
20	Hybrid uncertainty propagation in structural-acoustic systems based on the polynomial chaos expansion and dimension-wise analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 320, 198-217.	6.6	39
21	Mixed Nonprobabilistic Reliability-Based Optimization Method for Heat Transfer System With Fuzzy and Interval Parameters. <i>IEEE Transactions on Reliability</i> , 2017, 66, 630-640.	4.6	9
22	Collocation methods for fuzzy uncertainty propagation in heat conduction problem. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 631-639.	4.8	29
23	Uncertainty propagation of heat conduction problem with multiple random inputs. <i>International Journal of Heat and Mass Transfer</i> , 2016, 99, 95-101.	4.8	30
24	Collocation methods for uncertain heat convection-diffusion problem with interval input parameters. <i>International Journal of Thermal Sciences</i> , 2016, 107, 230-236.	4.9	41
25	Subinterval perturbation methods for uncertain temperature field prediction with large fuzzy parameters. <i>International Journal of Thermal Sciences</i> , 2016, 100, 381-390.	4.9	34
26	Uncertainty analysis for heat convection-diffusion problem with large uncertain-but-bounded parameters. <i>Acta Mechanica</i> , 2015, 226, 3831-3844.	2.1	23
27	Fuzzy interval perturbation method for uncertain heat conduction problem with interval and fuzzy parameters. <i>International Journal for Numerical Methods in Engineering</i> , 2015, 104, 330-346.	2.8	37
28	Modified perturbation method for eigenvalues of structure with interval parameters. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1-9.	5.1	3
29	Improved numerical prediction and reliability-based optimization of transient heat conduction problem with interval parameters. <i>Structural and Multidisciplinary Optimization</i> , 2015, 51, 113-123.	3.5	25
30	Fuzzy stochastic finite element method for the hybrid uncertain temperature field prediction. <i>International Journal of Heat and Mass Transfer</i> , 2015, 91, 512-519.	4.8	26
31	Numerical analysis of uncertain temperature field by stochastic finite difference method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 698-707.	5.1	20
32	Fuzzy finite difference method for heat conduction analysis with uncertain parameters. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2014, 30, 383-390.	3.4	18
33	An interval perturbation method for exterior acoustic field prediction with uncertain-but-bounded parameters. <i>Journal of Fluids and Structures</i> , 2014, 49, 441-449.	3.4	48
34	Interval analysis of transient temperature field with uncertain-but-bounded parameters. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 1959-1966.	5.1	4
35	Interval finite difference method for steady-state temperature field prediction with interval parameters. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2014, 30, 161-166.	3.4	6
36	Equivalent method for accurate solution to linear interval equations. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2013, 34, 1031-1042.	3.6	4