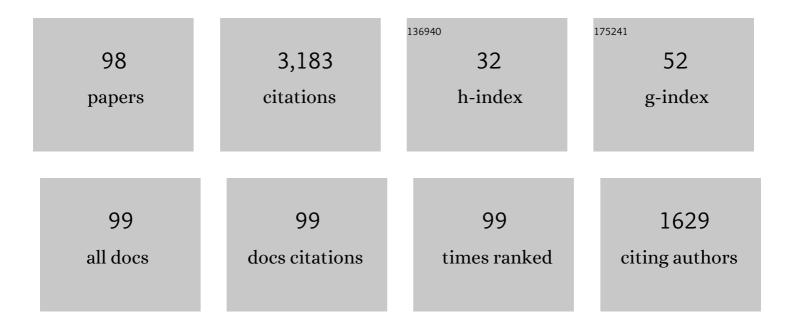


## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Queuing search algorithm: A novel metaheuristic algorithm for solving engineering optimization problems. Applied Mathematical Modelling, 2018, 63, 464-490.	4.2	160
2	A novel projection outline based active learning method and its combination with Kriging metamodel for hybrid reliability analysis with random and interval variables. Computer Methods in Applied Mechanics and Engineering, 2018, 341, 32-52.	6.6	124
3	A surrogate thermal modeling and parametric optimization of battery pack with air cooling for EVs. Applied Thermal Engineering, 2019, 147, 90-100.	6.0	124
4	An efficient Kriging-based subset simulation method for hybrid reliability analysis under random and interval variables with small failure probability. Structural and Multidisciplinary Optimization, 2019, 59, 2077-2092.	3.5	112
5	A system active learning Kriging method for system reliability-based design optimization with a multiple response model. Reliability Engineering and System Safety, 2020, 199, 106935.	8.9	107
6	An active learning reliability method combining Kriging constructed with exploration and exploitation of failure region and subset simulation. Reliability Engineering and System Safety, 2019, 188, 90-102.	8.9	104
7	A combined projection-outline-based active learning Kriging and adaptive importance sampling method for hybrid reliability analysis with small failure probabilities. Computer Methods in Applied Mechanics and Engineering, 2019, 344, 13-33.	6.6	103
8	Topological shape optimization of 3D micro-structured materials using energy-based homogenization method. Advances in Engineering Software, 2018, 116, 89-102.	3.8	92
9	Multiâ€objective design optimization for miniâ€channel cooling battery thermal management system in an electric vehicle. International Journal of Energy Research, 2019, 43, 3668-3680.	4.5	85
10	Maximizing natural frequencies of inhomogeneous cellular structures by Kriging-assisted multiscale topology optimization. Computers and Structures, 2020, 230, 106197.	4.4	78
11	Multiscale concurrent topology optimization for cellular structures with multiple microstructures based on ordered SIMP interpolation. Computational Materials Science, 2018, 155, 74-91.	3.0	75
12	Stressâ€based multiâ€material topology optimization of compliant mechanisms. International Journal for Numerical Methods in Engineering, 2018, 113, 1021-1044.	2.8	68
13	Design of shell-infill structures by a multiscale level set topology optimization method. Computers and Structures, 2019, 212, 162-172.	4.4	67
14	Multiscale topology optimization for minimizing frequency responses of cellular composites with connectable graded microstructures. Mechanical Systems and Signal Processing, 2020, 135, 106369.	8.0	66
15	Robustly printable freeform thermal metamaterials. Nature Communications, 2021, 12, 7228.	12.8	64
16	A Comprehensive Review of Isogeometric Topology Optimization: Methods, Applications and Prospects. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	63
17	Data Mining Techniques for Wireless Sensor Networks: A Survey. International Journal of Distributed Sensor Networks, 2013, 9, 406316.	2.2	61
18	Probability and interval hybrid reliability analysis based on adaptive local approximation of projection outlines using support vector machine. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 991-1009.	9.8	59

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19	Design of graded lattice sandwich structures by multiscale topology optimization. Computer Methods in Applied Mechanics and Engineering, 2021, 384, 113949.	6.6	57
20	A Comprehensive Approach for the Clustering of Similar-Performance Cells for the Design of a Lithium-Ion Battery Module for Electric Vehicles. Engineering, 2019, 5, 795-802.	6.7	56
21	Topological design of sandwich structures with graded cellular cores by multiscale optimization. Computer Methods in Applied Mechanics and Engineering, 2020, 361, 112749.	6.6	54
22	A NURBS-based Multi-Material Interpolation (N-MMI) for isogeometric topology optimization of structures. Applied Mathematical Modelling, 2020, 81, 818-843.	4.2	49
23	A new methodology for multi-objective multidisciplinary design optimization problems based on game theory. Expert Systems With Applications, 2015, 42, 1602-1612.	7.6	46
24	Robust topology optimization of thermoelastic metamaterials considering hybrid uncertainties of material property. Composite Structures, 2020, 248, 112477.	5.8	44
25	Concurrent topology optimization for cellular structures with nonuniform microstructures based on the kriging metamodel. Structural and Multidisciplinary Optimization, 2019, 59, 1273-1299.	3.5	42
26	Topology optimization of multi-material structures with graded interfaces. Computer Methods in Applied Mechanics and Engineering, 2019, 346, 1096-1117.	6.6	42
27	A new multiscale topology optimization method for multiphase composite structures of frequency response with level sets. Computer Methods in Applied Mechanics and Engineering, 2019, 356, 116-144.	6.6	41
28	lsogeometric topology optimization for computational design of re-entrant and chiral auxetic composites. Computer Methods in Applied Mechanics and Engineering, 2020, 362, 112876.	6.6	41
29	A hybrid sufficient performance measure approach to improve robustness and efficiency of reliability-based design optimization. Engineering With Computers, 2021, 37, 1695.	6.1	40
30	lsogeometric topology optimization for rational design of ultra-lightweight architected materials. International Journal of Mechanical Sciences, 2020, 166, 105103.	6.7	39
31	An efficient method for reliability analysis under epistemic uncertainty based on evidence theory and support vector regression. Journal of Engineering Design, 2015, 26, 340-364.	2.3	36
32	An improved two-stage framework of evidence-based design optimization. Structural and Multidisciplinary Optimization, 2018, 58, 1673-1693.	3.5	36
33	Robust topology optimization for multi-material structures under interval uncertainty. Applied Mathematical Modelling, 2020, 78, 627-647.	4.2	34
34	Topology optimization of shell-infill structures using a distance regularized parametric level-set method. Structural and Multidisciplinary Optimization, 2019, 59, 249-262.	3.5	33
35	Inverse design of rotating metadevice for adaptive thermal cloaking. International Journal of Heat and Mass Transfer, 2021, 176, 121417.	4.8	32
36	Intelligent optimization methodology of battery pack for electric vehicles: A multidisciplinary perspective. International Journal of Energy Research, 2020, 44, 9686-9706.	4.5	31

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37	A new hybrid reliabilityâ€based design optimization method under random and interval uncertainties. International Journal for Numerical Methods in Engineering, 2020, 121, 4435-4457.	2.8	31
38	Design of sandwich panels with truss cores using explicit topology optimization. Composite Structures, 2019, 210, 892-905.	5.8	30
39	Illusion thermotics with topology optimization. Journal of Applied Physics, 2020, 128, .	2.5	30
40	Optimization for Liquid Cooling Cylindrical Battery Thermal Management System Based on Gaussian Process Model. Journal of Thermal Science and Engineering Applications, 2021, 13, .	1.5	30
41	A generalised collaborative optimisation method and its combination with kriging metamodels for engineering design. Journal of Engineering Design, 2012, 23, 379-399.	2.3	29
42	Analysis of gene expression programming for approximation in engineering design. Structural and Multidisciplinary Optimization, 2012, 46, 399-413.	3.5	29
43	A new method for reliability analysis of structures with mixed random and convex variables. Applied Mathematical Modelling, 2019, 70, 206-220.	4.2	28
44	Kriging-assisted design of functionally graded cellular structures with smoothly-varying lattice unit cells. Computer Methods in Applied Mechanics and Engineering, 2022, 390, 114466.	6.6	28
45	Topology Optimization of Periodic Structures With Substructuring. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	25
46	Multidisciplinary robust design optimization considering parameter and metamodeling uncertainties. Engineering With Computers, 2022, 38, 191-208.	6.1	25
47	A multiscale topological design method of geometrically asymmetric porous sandwich structures for minimizing dynamic compliance. Materials and Design, 2022, 214, 110404.	7.0	25
48	A new method based on adaptive volume constraint and stress penalty for stress-constrained topology optimization. Structural and Multidisciplinary Optimization, 2018, 57, 1163-1185.	3.5	23
49	Multiscale topology optimization for coated structures with multifarious-microstructural infill. Structural and Multidisciplinary Optimization, 2020, 61, 1473-1494.	3.5	23
50	A New Approach to Solve Uncertain Multidisciplinary Design Optimization Based on Conditional Value at Risk. IEEE Transactions on Automation Science and Engineering, 2021, 18, 356-368.	5.2	23
51	Maximum variation analysis based analytical target cascading for multidisciplinary robust design optimization under interval uncertainty. Advanced Engineering Informatics, 2019, 40, 81-92.	8.0	22
52	Multidisciplinary robust design optimization under parameter and model uncertainties. Engineering Optimization, 2020, 52, 426-445.	2.6	22
53	A new level set based multi-material topology optimization method using alternating active-phase algorithm. Computer Methods in Applied Mechanics and Engineering, 2021, 377, 113674.	6.6	21
54	Robust topology optimization for fiber-reinforced composite structures under loading uncertainty. Computer Methods in Applied Mechanics and Engineering, 2021, 384, 113935.	6.6	20

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55	Topology optimization of material microstructures using energy-based homogenization method under specified initial material layout. Journal of Mechanical Science and Technology, 2019, 33, 677-693.	1.5	19
56	Improved collaboration pursuing method for multidisciplinary robust design optimization. Structural and Multidisciplinary Optimization, 2019, 59, 1949-1968.	3.5	19
57	An improved Q-learning based rescheduling method for flexible job-shops with machine failures. , 2019, , .		18
58	Heat Transfer Efficiency Enhancement of Lithium-Ion Battery Packs by Using Novel Design of Herringbone Fins. Journal of Electrochemical Energy Conversion and Storage, 2020, 17, .	2.1	18
59	Construction of nested maximin designs based on successive local enumeration and modified novel global harmony search algorithm. Engineering Optimization, 2017, 49, 161-180.	2.6	17
60	A Kriging-assisted sampling method for reliability analysis of structures with hybrid uncertainties. Reliability Engineering and System Safety, 2021, 210, 107552.	8.9	17
61	An isogeometric approach to topological optimization design of auxetic composites with tri-material micro-architectures. Composite Structures, 2021, 271, 114163.	5.8	17
62	Isogeometric topology and shape optimization for composite structures using level-sets and adaptive Gauss quadrature. Composite Structures, 2022, 285, 115263.	5.8	17
63	A level set–based method for stressâ€constrained multimaterial topology optimization of minimizing a global measure of stress. International Journal for Numerical Methods in Engineering, 2019, 117, 800-818.	2.8	16
64	An active learning Kriging-assisted method for reliability-based design optimization under distributional probability-box model. Structural and Multidisciplinary Optimization, 2020, 62, 2341-2356.	3.5	15
65	Explicit topology optimization of novel polyline-based core sandwich structures using surrogate-assisted evolutionary algorithm. Computer Methods in Applied Mechanics and Engineering, 2020, 369, 113215.	6.6	15
66	A new local update-based method for reliability-based design optimization. Engineering With Computers, 2021, 37, 3591-3603.	6.1	14
67	Reliability Analysis of Stiffened Aircraft Panels Using Adjusting Mean Value Method. AIAA Journal, 2020, 58, 5448-5458.	2.6	13
68	Sampling-based system reliability-based design optimization using composite active learning Kriging. Computers and Structures, 2020, 239, 106321.	4.4	13
69	Robust topology optimization for periodic structures by combining sensitivity averaging with a semianalytical method. International Journal for Numerical Methods in Engineering, 2019, 117, 475-497.	2.8	12
70	A bounding-limit-state-surface-based active learning Kriging method for hybrid reliability analysis under random and probability-box variables. Mechanical Systems and Signal Processing, 2019, 134, 106310.	8.0	11
71	A Computational Fluid Dynamics Coupled Multi-Objective Optimization Framework for Thermal System Design for Li-Ion Batteries With Metal Separators. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	2.1	10
72	Risk-based design optimization under hybrid uncertainties. Engineering With Computers, 2022, 38, 2037-2049.	6.1	9

#	Article	IF	CITATIONS
73	A composite-projection-outline-based approximation method for system reliability analysis with hybrid uncertainties. Reliability Engineering and System Safety, 2020, 204, 107169.	8.9	8
74	Quantile-based topology optimization under uncertainty using Kriging metamodel. Computer Methods in Applied Mechanics and Engineering, 2022, 393, 114690.	6.6	8
75	Marching cubes-based isogeometric topology optimization method with parametric level set. Applied Mathematical Modelling, 2022, 107, 275-295.	4.2	8
76	Support Vector enhanced Kriging for metamodeling with noisy data. Structural and Multidisciplinary Optimization, 2018, 57, 1611-1623.	3.5	7
77	Structural Topology Optimization based on Parametric Level Set Method under the Environment of ANSYS Secondary Development. , 2017, , .		6
78	Topological shape optimization design of continuum structures via an effective level set method. Cogent Engineering, 2016, 3, 1250430.	2.2	5
79	A new vortex search algorithm with gradient-based approximation for optimization of the fore part of KCS container ship. Journal of Marine Science and Technology, 2017, 22, 403-413.	2.9	5
80	Robust topology optimization considering load uncertainty based on a semi-analytical method. International Journal of Advanced Manufacturing Technology, 2018, 94, 3537-3551.	3.0	5
81	A set strategy approach for multidisciplinary robust design optimization under interval uncertainty. Advances in Mechanical Engineering, 2019, 11, 168781401882038.	1.6	5
82	A Hybrid Method for Density-Related Topology Optimization. International Journal of Computational Methods, 2019, 16, 1850116.	1.3	4
83	An Approach Based on Enhanced Collaborative Optimization and Kriging Approximation in Multidisciplinary Design Optimization. Advanced Materials Research, 0, 118-120, 399-403.	0.3	3
84	DOE-Based Numerical Investigation on Factors Affecting Temperature Field during Line Heating. Advanced Materials Research, 0, 314-316, 620-625.	0.3	3
85	An Efficient Topology Optimization Method for Structures with Uniform Stress. International Journal of Computational Methods, 2018, 15, 1850073.	1.3	3
86	Conditional Value at Riskbased Multidisciplinary Robust Design Optimization. , 2019, , .		3
87	An Efficient Method for Structural Reliability Analysis Using Evidence Theory. , 2014, , .		2
88	Probabilistic analytical target cascading combined with Kriging metamodel for multidisciplinary robust design optimization. , 2015, , .		2
89	Modeling of the Feed-Motor Transient Current in End Milling by Using Varying-Coefficient Model. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	2
90	An effective method for quantifying and incorporating uncertainty in metamodel selection. Journal of Mechanical Science and Technology, 2019, 33, 1279-1291.	1.5	2

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91	Comparison of Gene Expression Programming and Common Metamodeling Techniques in Engineering Design. , 2011, , .		1
92	An effective structural boundary processing method based on support vector machine for discrete topology optimization. , 2016, , .		1
93	An Enhanced Collaborative Optimization Methodology for Multidisciplianry Design Optimization. , 0, , 275-280.		1
94	Homotopy method for inverse design of the bulbous bow of a container ship. China Ocean Engineering, 2017, 31, 98-102.	1.6	0
95	Improved parametric level set based structural topology optimization for minimizing a global frequency response. , 2017, , .		0
96	Mode Pursuing Sampling Method for Multidisciplinary Deisgn Optimization in Ship Conceptual Design. , 2018, , .		0
97	Robust Analytical Target Cascading Method for Multidisciplinary Design Optimization under Uncertainty. , 2018, , .		0
98	A Gene Expression Programming Based Kriging Method for Metamodel Construction. , 2011, , 179-182.		0