

Zunyi Duan

List of Publications by Year in descending order

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papers

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933447

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139
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#	ARTICLE	IF	CITATIONS
1	A cascadic multilevel optimization framework for the concurrent design of the fiber-reinforced composite structure through the NURBS surface. <i>Engineering With Computers</i> , 2023, 39, 2735-2756.	6.1	2
2	A study on topology optimization of heat dissipation structures with different objective functions based on an explicit moving morphable components method. <i>Engineering Optimization</i> , 2023, 55, 1336-1351.	2.6	2
3	Concurrent design of the free damping structure for minimizing the frequency response in a broad frequency band. <i>Engineering Optimization</i> , 2022, 54, 1273-1288.	2.6	3
4	Optimal design of laminated plate for minimizing frequency response based on discrete material model and mode reduction method. <i>Engineering With Computers</i> , 2022, 38, 2919-2951.	6.1	1
5	Topology optimization of thermo-elastic structures considering stiffness, strength, and temperature constraints over a wide range of temperatures. <i>International Journal for Numerical Methods in Engineering</i> , 2022, 123, 1627-1653.	2.8	6
6	Stress-based multi-material structural topology optimization considering graded interfaces. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 391, 114602.	6.6	17
7	Structural Topology Design Optimization of Fiber-Reinforced Composite Frames with Fundamental Frequency Constraints. <i>Journal of Structural Engineering</i> , 2022, 148, .	3.4	3
8	Stress-based bi-directional evolutionary structural topology optimization considering nonlinear continuum damage. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 396, 115086.	6.6	9
9	Structural topology optimization considering both performance and manufacturability: strength, stiffness, and connectivity. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 1427-1453.	3.5	9
10	A multi-scale discrete material optimization model for optimization of structural topology and material orientations to minimize dynamic compliance. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 1343-1365.	3.5	8
11	Topology optimization of material nonlinear continuum structures under stress constraints. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 378, 113731.	6.6	17
12	Stress-related topology optimization for castable design. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 6203.	2.8	2
13	A new method for concurrent multi-scale design optimization of fiber-reinforced composite frames with fundamental frequency constraints. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 3773-3795.	3.5	5
14	Determination of sample size for input variables in RBDO through bi-objective confidence-based design optimization under input model uncertainty. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 253-266.	3.5	7
15	Clustering-based multiscale topology optimization of thermo-elastic lattice structures. <i>Computational Mechanics</i> , 2020, 66, 979-1002.	4.0	15
16	Reliability-based multi-scale design optimization of composite frames considering structural compliance and manufacturing constraints. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 2401-2421.	3.5	14
17	Discrete material selection and structural topology optimization of composite frames for maximum fundamental frequency with manufacturing constraints. <i>Structural and Multidisciplinary Optimization</i> , 2019, 60, 1741-1758.	3.5	15
18	A two-step optimization scheme based on equivalent stiffness parameters for forcing convexity of fiber winding angle in composite frames. <i>Structural and Multidisciplinary Optimization</i> , 2019, 59, 2111-2129.	3.5	11

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19	Integrated design optimization of composite frames and materials for maximum fundamental frequency with continuous fiber winding angles. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2018, 34, 1084-1094.	3.4	12
20	Concurrent multi-scale design optimization of composite frames with manufacturing constraints. <i>Structural and Multidisciplinary Optimization</i> , 2017, 56, 519-533.	3.5	27
21	Concurrent multi-scale design optimization of composite frame structures using the Heaviside penalization of discrete material model. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016, 32, 430-441.	3.4	7
22	Minimum Compliance Optimization of a Thermoelastic Lattice Structure with Size-Coupled Effects. <i>Journal of Thermal Stresses</i> , 2015, 38, 338-357.	2.0	10
23	Integrated optimization of the material and structure of composites based on the Heaviside penalization of discrete material model. <i>Structural and Multidisciplinary Optimization</i> , 2015, 51, 721-732.	3.5	45