

JieGao

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,160
citations

394286

19
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	Isogeometric topology and shape optimization for composite structures using level-sets and adaptive Gauss quadrature. <i>Composite Structures</i> , 2022, 285, 115263.	3.1	17
2	Marching cubes-based isogeometric topology optimization method with parametric level set. <i>Applied Mathematical Modelling</i> , 2022, 107, 275-295.	2.2	8
3	On the Indispensability of Isogeometric Analysis in Topology Optimization for Smooth or Binary Designs. <i>Symmetry</i> , 2022, 14, 845.	1.1	2
4	IgaTop: an implementation of topology optimization for structures using IGA in MATLAB. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 1669-1700.	1.7	21
5	An isogeometric approach to topological optimization design of auxetic composites with tri-material micro-architectures. <i>Composite Structures</i> , 2021, 271, 114163.	3.1	17
6	Design of graded lattice sandwich structures by multiscale topology optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 384, 113949.	3.4	57
7	Topology Optimization of Micro-Structured Materials Featured with the Specific Mechanical Properties. <i>International Journal of Computational Methods</i> , 2020, 17, 1850144.	0.8	22
8	Multiscale topology optimization for minimizing frequency responses of cellular composites with connectable graded microstructures. <i>Mechanical Systems and Signal Processing</i> , 2020, 135, 106369.	4.4	66
9	Isogeometric topology optimization for rational design of ultra-lightweight architected materials. <i>International Journal of Mechanical Sciences</i> , 2020, 166, 105103.	3.6	39
10	Isogeometric topology optimization for computational design of re-entrant and chiral auxetic composites. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 362, 112876.	3.4	41
11	A NURBS-based Multi-Material Interpolation (N-MMI) for isogeometric topology optimization of structures. <i>Applied Mathematical Modelling</i> , 2020, 81, 818-843.	2.2	49
12	A Comprehensive Review of Isogeometric Topology Optimization: Methods, Applications and Prospects. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2020, 33, .	1.9	63
13	Concurrent topology optimization of multiscale composite structures in Matlab. <i>Structural and Multidisciplinary Optimization</i> , 2019, 60, 2621-2651.	1.7	90
14	A new multiscale topology optimization method for multiphase composite structures of frequency response with level sets. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 356, 116-144.	3.4	41
15	Isogeometric Density Field Method for Topology Optimization of Micro-architected Materials. , 2019, , .		0
16	Isogeometric topology optimization for continuum structures using density distribution function. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 119, 991-1017.	1.5	64
17	Topology optimization for auxetic metamaterials based on isogeometric analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 352, 211-236.	3.4	107
18	Dynamic multiscale topology optimization for multi-regional micro-structured cellular composites. <i>Composite Structures</i> , 2019, 211, 401-417.	3.1	39

#	ARTICLE	IF	CITATIONS
19	Robust topology optimization for concurrent design of dynamic structures under hybrid uncertainties. <i>Mechanical Systems and Signal Processing</i> , 2019, 120, 540-559.	4.4	50
20	Topology optimization for multiscale design of porous composites with multi-domain microstructures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 344, 451-476.	3.4	106
21	Topological shape optimization of 3D micro-structured materials using energy-based homogenization method. <i>Advances in Engineering Software</i> , 2018, 116, 89-102.	1.8	92
22	Level-set topology optimization for multimaterial and multifunctional mechanical metamaterials. <i>Engineering Optimization</i> , 2017, 49, 22-42.	1.5	60
23	Robust topology optimization for structures under interval uncertainty. <i>Advances in Engineering Software</i> , 2016, 99, 36-48.	1.8	68
24	Topological shape optimization design of continuum structures via an effective level set method. <i>Cogent Engineering</i> , 2016, 3, 1250430.	1.1	5
25	An efficient modified harmony search algorithm with intersect mutation operator and cellular local search for continuous function optimization problems. <i>Applied Intelligence</i> , 2016, 44, 725-753.	3.3	36