Jun Hong

List of Publications by Year
in descending order

17	508	933447 10	888059 17
papers	citations	h-index	g-index

17	17	17	343
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isogeometric topology optimization of compliant mechanisms using transformable triangular mesh (TTM) algorithm. Structural and Multidisciplinary Optimization, 2021, 64, 2553-2576.	3.5	2
2	Optimization design of grooved condenser wick structures in a vapor chamber for electronic cooling applications. Structural and Multidisciplinary Optimization, 2020, 61, 2001-2019.	3.5	3
3	A generative design method for structural topology optimization via transformable triangular mesh (TTM) algorithm. Structural and Multidisciplinary Optimization, 2020, 62, 1159-1183.	3.5	6
4	Generating constructal-conduction-networks for cooling discs at macro and micro scales. International Communications in Heat and Mass Transfer, 2019, 109, 104318.	5.6	9
5	Method for directly and instantaneously predicting conductive heat transfer topologies by using supervised deep learning. International Communications in Heat and Mass Transfer, 2019, 109, 104368.	5.6	12
6	Non-iterative structural topology optimization using deep learning. CAD Computer Aided Design, 2019, 115, 172-180.	2.7	66
7	Generating Constructal Networks for Area-to-Point Conduction Problems Via Moving Morphable Components Approach. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	14
8	A biomimetic generative optimization design for conductive heat transfer based on element-free Galerkin method. International Communications in Heat and Mass Transfer, 2019, 100, 67-72.	5.6	22
9	Investigation into the topology optimization for conductive heat transfer based on deep learning approach. International Communications in Heat and Mass Transfer, 2018, 97, 103-109.	5.6	75
10	Constructal design of internal cooling geometries in heat conduction system using the optimality of natural branching structures. International Journal of Thermal Sciences, 2017, 115, 16-28.	4.9	35
11	Generating optimal heat conduction paths based on bionic growth simulation. International Communications in Heat and Mass Transfer, 2017, 83, 55-63.	5.6	24
12	An intelligent computational approach for design optimization of stiffened engineering structures. International Journal of Precision Engineering and Manufacturing, 2017, 18, 1005-1012.	2.2	8
13	Generating optimal topologies for heat conduction by heat flow paths identification. International Communications in Heat and Mass Transfer, 2016, 75, 177-182.	5.6	31
14	A growth-based topology optimizer for stiffness design of continuum structures under harmonic force excitation. Journal of Zhejiang University: Science A, 2016, 17, 933-946.	2.4	4
15	Thermal-deformation coupling in thermal network for transient analysis of spindle-bearing system. International Journal of Thermal Sciences, 2016, 104, 1-12.	4.9	85
16	Stiffness design of machine tool structures by a biologically inspired topology optimization method. International Journal of Machine Tools and Manufacture, 2014, 84, 33-44.	13.4	106
17	An Innovative Layout Design Methodology for Stiffened Plate/Shell Structures by Material Increasing Criterion. Journal of Engineering Materials and Technology, Transactions of the ASME, 2013, 135, .	1.4	6