Peng Hao

List of Publications by Year
in descending order

21	1,026	471509 17	713466 21
papers	citations	h-index	g-index

21	21	21	400
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Buckling of quasi-perfect cylindrical shell under axial compression: A combined experimental and numerical investigation. International Journal of Solids and Structures, 2018, 130-131, 232-247.	2.7	101
2	Hybrid Framework for Reliability-Based Design Optimization of Imperfect Stiffened Shells. AIAA Journal, 2015, 53, 2878-2889.	2.6	99
3	Hybrid optimization of hierarchical stiffened shells based on smeared stiffener method and finite element method. Thin-Walled Structures, 2014, 82, 46-54.	5.3	91
4	Worst Multiple Perturbation Load Approach of stiffened shells with and without cutouts for improved knockdown factors. Thin-Walled Structures, 2014, 82, 321-330.	5.3	88
5	Numerical-based smeared stiffener method for global buckling analysis of grid-stiffened composite cylindrical shells. Composite Structures, 2016, 152, 807-815.	5.8	82
6	Surrogate-Based Optimum Design for Stiffened Shells with Adaptive Sampling. AIAA Journal, 2012, 50, 2389-2407.	2.6	79
7	Determination of realistic worst imperfection for cylindrical shells using surrogate model. Structural and Multidisciplinary Optimization, 2013, 48, 777-794.	3.5	66
8	Hybrid analysis and optimization of hierarchical stiffened plates based on asymptotic homogenization method. Composite Structures, 2015, 132, 136-147.	5.8	64
9	Robust knockdown factors for the design of cylindrical shells under axial compression: Analysis and modeling of stiffened and unstiffened cylinders. Thin-Walled Structures, 2018, 127, 629-645.	5.3	56
10	Surrogate-based optimization of stiffened shells including load-carrying capacity and imperfection sensitivity. Thin-Walled Structures, 2013, 72, 164-174.	5.3	45
11	Two-stage size-layout optimization of axially compressed stiffened panels. Structural and Multidisciplinary Optimization, 2014, 50, 313-327.	3.5	45
12	Influence of imperfection distributions for cylindrical stiffened shells with weld lands. Thin-Walled Structures, 2015, 93, 177-187.	5.3	45
13	Integrated optimization of hybrid-stiffness stiffened shells based on sub-panel elements. Thin-Walled Structures, 2016, 103, 171-182.	5.3	39
14	Fast procedure for Non-uniform optimum design of stiffened shells under buckling constraint. Structural and Multidisciplinary Optimization, 2017, 55, 1503-1516.	3.5	26
15	Generatrix shape optimization of stiffened shells for low imperfection sensitivity. Science China Technological Sciences, 2014, 57, 2012-2019.	4.0	22
16	Post-buckling behavior of stiffened cylindrical shell and experimental validation under non-uniform external pressure and axial compression. Thin-Walled Structures, 2021, 161, 107481.	5.3	20
17	Optimization of Curvilinearly Stiffened Panels with Single Cutout Concerning the Collapse Load. International Journal of Structural Stability and Dynamics, 2016, 16, 1550036.	2.4	18
18	Simultaneous buckling design of stiffened shells with multiple cutouts. Engineering Optimization, 2017, 49, 1116-1132.	2.6	16

#	Article	IF	Citations
19	Incomplete reduced stiffness method for imperfection sensitivity of cylindrical shells. Thin-Walled Structures, 2020, 157, 107148.	5.3	9
20	Post-buckling optimization of bending-induced variable stiffness composite cylinders considering worst geometric imperfections. Thin-Walled Structures, 2021, 169, 108489.	5.3	8
21	Knockdown factor of buckling load for axially compressed cylindrical shells: state of the art and new perspectives. Acta Mechanica Sinica/Lixue Xuebao, 2022, 38, .	3.4	7