

Benedikt Kriegesmann

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

426
citations

759055

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28
all docs

28
docs citations

28
times ranked

211
citing authors

#	ARTICLE	IF	CITATIONS
1	PROBABILISTIC DESIGN OF AXIALLY COMPRESSED COMPOSITE CYLINDERS WITH GEOMETRIC AND LOADING IMPERFECTIONS. International Journal of Structural Stability and Dynamics, 2010, 10, 623-644.	1.5	57
2	Fast probabilistic design procedure for axially compressed composite cylinders. Composite Structures, 2011, 93, 3140-3140.	3.1	35
3	Design of cylindrical shells using the Single Perturbation Load Approach – Potentials and application limits. Thin-Walled Structures, 2016, 108, 369-380.	2.7	28
4	Probabilistic perturbation load approach for designing axially compressed cylindrical shells. Thin-Walled Structures, 2016, 107, 648-656.	2.7	27
5	Robust compliance topology optimization using the first-order second-moment method. Structural and Multidisciplinary Optimization, 2019, 60, 269-286.	1.7	26
6	Optimization and Antioptimization of Buckling Load for Composite Cylindrical Shells Under Uncertainties. AIAA Journal, 2012, 50, 1513-1524.	1.5	25
7	Validation of Lower-Bound Estimates for Compression-Loaded Cylindrical Shells. , 2012, , .		23
8	Fail-safe optimization of beam structures. Journal of Computational Design and Engineering, 2019, 6, 260-268.	1.5	21
9	The Effects of Geometric and Loading Imperfections on the Response and Lower-Bound Buckling Load of a Compression-Loaded Cylindrical Shell. , 2012, , .		19
10	Reliability based calibration of safety factors for unstiffened cylindrical composite shells. Composite Structures, 2017, 168, 798-812.	3.1	18
11	Density-based shape optimization for fail-safe design. Journal of Computational Design and Engineering, 2020, 7, 615-629.	1.5	15
12	A variable-fidelity hybrid surrogate approach for quantifying uncertainties in the nonlinear response of braided composites. Computer Methods in Applied Mechanics and Engineering, 2021, 381, 113851.	3.4	15
13	An empirical study on stress-based fail-safe topology optimization and multiple load path design. Structural and Multidisciplinary Optimization, 2021, 64, 2113-2134.	1.7	14
14	Stochastic modeling techniques for textile yarn distortion and waviness with 1D random fields. Composites Part A: Applied Science and Manufacturing, 2019, 127, 105639.	3.8	13
15	Robust design optimization with design-dependent random input variables. Structural and Multidisciplinary Optimization, 2020, 61, 661-674.	1.7	12
16	Inverse homogenization using isogeometric shape optimization. Computer Methods in Applied Mechanics and Engineering, 2020, 368, 113170.	3.4	11
17	Data-driven inverse uncertainty quantification in the transverse tensile response of carbon fiber reinforced composites. Composites Science and Technology, 2021, 211, 108845.	3.8	11
18	Semi-analytic probabilistic analysis of axially compressed stiffened composite panels. Composite Structures, 2012, 94, 654-663.	3.1	10

#	ARTICLE	IF	CITATIONS
19	Sample size dependent probabilistic design of axially compressed cylindrical shells. <i>Thin-Walled Structures</i> , 2014, 74, 222-231.	2.7	10
20	Adaptive Strategies for Fail-Safe Topology Optimization. , 2019, , 200-211.		10
21	Simultaneous topology and fastener layout optimization of assemblies considering joint failure. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 294-319.	1.5	10
22	Probabilistic analysis of additively manufactured polymer lattice structures. <i>Materials and Design</i> , 2022, 213, 110300.	3.3	8
23	The Influence of Blade Properties on the Forced Response of Mistuned Bladed Disks. , 2011, , .		3
24	Closed-Form Probabilistic Analysis of Lamination Parameters for Composite Structures. <i>AIAA Journal</i> , 2017, 55, 2074-2085.	1.5	2
25	Robust compliance topology optimization using the first-order second-moment method. , 2019, 60, 269.		1
26	Robust sizing optimization of stiffened panels subject to geometric imperfections using fully nonlinear postbuckling analyses. <i>Thin-Walled Structures</i> , 2022, 175, 109195.	2.7	1
27	Towards a Highly Efficient Monte Carlo Approach using a Koiter-type Reduced Order Model for Nonlinear Buckling Analyses of Cylindrical Shells. , 2022, , .		0