

Ning Liu

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

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1040056

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all docs

13
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13
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	Isogeometric analysis of laminated composite and functionally graded sandwich plates based on a layerwise displacement theory. <i>Composite Structures</i> , 2017, 176, 143-153.	5.8	95
2	A geometrically exact isogeometric Kirchhoff plate: Feature-preserving automatic meshing and C^1 rational triangular Bézier spline discretizations. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 115, 395-409.	2.8	55
3	A simplified continuum damage mechanics based modeling strategy for cumulative fatigue damage assessment of metallic bolted joints. <i>International Journal of Fatigue</i> , 2020, 131, 105302.	5.7	52
4	An isogeometric continuum shell element for modeling the nonlinear response of functionally graded material structures. <i>Composite Structures</i> , 2020, 237, 111893.	5.8	42
5	Adaptive isogeometric analysis in structural frames using a layer-based discretization to model spread of plasticity. <i>Computers and Structures</i> , 2018, 196, 1-11.	4.4	37
6	Combining Load-Controlled and Displacement-Controlled Algorithms to Model Thermal-Mechanical Snap-Through Instabilities in Structures. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, 04017051.	2.9	31
7	Feature-preserving rational Bézier triangles for isogeometric analysis of higher-order gradient damage models. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 357, 112585.	6.6	31
8	A mixed isogeometric analysis and control volume approach for heat transfer analysis of nonuniformly heated plates. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2019, 75, 347-362.	0.9	23
9	Blended isogeometric Kirchhoff-Love and continuum shells. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 385, 114005.	6.6	13
10	Data-Driven and Reduced-Order Modeling of Composite Drilling. , 2020, , .		8
11	A large deformation isogeometric continuum shell formulation incorporating finite strain elastoplasticity. <i>Computational Mechanics</i> , 0, , .	4.0	4
12	Buffet-Induced Structural Response Prediction of Aircraft Horizontal Stabilizers Based on Immersogeometric Analysis and an Isogeometric Blended Shell Approach. , 2022, , .		3
13	Isogeometric blended shells for dynamic analysis: simulating aircraft takeoff and the resulting fatigue damage on the horizontal stabilizer. <i>Computational Mechanics</i> , 2022, 70, 1013-1024.	4.0	3