

Hamid Reza Bayat

List of Publications by Year in descending order

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15
docs citations

15
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104
citing authors

#	ARTICLE	IF	CITATIONS
1	A Selection of Benchmark Problems in Solid Mechanics and Applied Mathematics. Archives of Computational Methods in Engineering, 2021, 28, 713-751.	10.2	36
2	A low-order locking-free hybrid discontinuous Galerkin element formulation for large deformations. Computer Methods in Applied Mechanics and Engineering, 2017, 323, 353-372.	6.6	22
3	Numerical evaluation of discontinuous and nonconforming finite element methods in nonlinear solid mechanics. Computational Mechanics, 2018, 62, 1413-1427.	4.0	12
4	On an equivalence between a discontinuous Galerkin method and reduced integration with hourglass stabilization for finite elasticity. Computer Methods in Applied Mechanics and Engineering, 2017, 325, 175-197.	6.6	10
5	On the use of reduced integration in combination with discontinuous Galerkin discretization: application to volumetric and shear locking problems. Advanced Modeling and Simulation in Engineering Sciences, 2018, 5, .	1.7	10
6	The concept of control points in hybrid discontinuous Galerkin methods”Application to geometrically nonlinear crystal plasticity. International Journal for Numerical Methods in Engineering, 2018, 114, 557-579.	2.8	9
7	Locking”free interface failure modeling by a cohesive discontinuous Galerkin method for matching and nonmatching meshes. International Journal for Numerical Methods in Engineering, 2020, 121, 1762-1790.	2.8	8
8	Modeling of Forming Limit Bands for Strain-Based Failure-Analysis of Ultra-High-Strength Steels. Metals, 2018, 8, 631.	2.3	5
9	The discontinuous Galerkin method with reduced integration scheme for the boundary terms in almost incompressible linear elasticity. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 189-190.	0.2	3
10	Investigation of a locking-free hybrid discontinuous Galerkin element that is very easy to implement into FE-codes. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 87-90.	0.2	3
11	Application of the discontinuous Galerkin finite element method in small deformation regimes. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 171-172.	0.2	1
12	Geometrically nonlinear crystal plasticity implemented into a discontinuous Galerkin element formulation. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 753-754.	0.2	1
13	Discontinuous Galerkin (DG) method in 3D linear elasticity with application in problems with locking. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 19-22.	0.2	1
14	About the influence of neglecting locking effects on the failure behavior at the interface. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000110.	0.2	1
15	Generation of forming limit bands for ultra-high-strength steels in car body structures. AIP Conference Proceedings, 2018, , .	0.4	0