Bastian Oesterle

List of Publications by Year in descending order

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12 papers	422 citations	1478505 6 h-index	1474206 9 g-index
12 all docs	12 docs citations	12 times ranked	252 citing authors

#	Article	IF	Citations
1	A hierarchic family of isogeometric shell finite elements. Computer Methods in Applied Mechanics and Engineering, 2013, 254, 170-180.	6.6	223
2	A shear deformable, rotation-free isogeometric shell formulation. Computer Methods in Applied Mechanics and Engineering, 2016, 307, 235-255.	6.6	56
3	Hierarchic isogeometric large rotation shell elements including linearized transverse shear parametrization. Computer Methods in Applied Mechanics and Engineering, 2017, 321, 383-405.	6.6	45
4	An isogeometric Reissnerâ€“Mindlin shell element based on BÃ©zier dual basis functions: Overcoming locking and improved coarse mesh accuracy. Computer Methods in Applied Mechanics and Engineering, 2020, 370, 113283.	6.6	35
5	A variational method to avoid lockingâ€”independent of the discretization scheme. International Journal for Numerical Methods in Engineering, 2018, 114, 801-827.	2.8	29
6	Improving efficiency and robustness of enhanced assumed strain elements for nonlinear problems. International Journal for Numerical Methods in Engineering, 2021, 122, 1911-1939.	2.8	18
7	A study on the approximation power of NURBS and the significance of exact geometry in isogeometric pre-buckling analyses of shells. Computer Methods in Applied Mechanics and Engineering, 2022, 397, 115144.	6.6	7
8	Structural models based on 3D constitutive laws: Variational structure and numerical solution. Computer Methods in Applied Mechanics and Engineering, 2020, 362, 112872.	6.6	5
9	Intrinsically lockingâ€free formulations for isogeometric beam, plate and shell analysis. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800399.	0.2	4
10	Einfluss der Geometrieapproximation auf die StabilitÃtsanalyse von Schalentragwerken. , 2018, , 71-73.		0
11	Strategy for Preventing Membrane Locking Through Reparametrization. , 2022, , 61-73.		0
12	Intrinsically Selective Mass Scaling with Hierarchic Structural Element Formulations. , 0, , .		0