Nils Viebahn

List of Publications by Year
in descending order

10	132	1478505	1588992
papers	citations	6	8
		h-index	g-index

11	11	11	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel mixed finite element for finite anisotropic elasticity; the SKA-element Simplified Kinematics for Anisotropy. Computer Methods in Applied Mechanics and Engineering, 2016, 310, 475-494.	6.6	36
2	A Selection of Benchmark Problems in Solid Mechanics and Applied Mathematics. Archives of Computational Methods in Engineering, 2021, 28, 713-751.	10.2	36
3	On the stability analysis of hyperelastic boundary value problems using three- and two-field mixed finite element formulations. Computational Mechanics, 2017, 60, 479-492.	4.0	17
4	A simple triangular finite element for nonlinear thin shells: statics, dynamics and anisotropy. Computational Mechanics, 2017, 59, 281-297.	4.0	15
5	A simple and efficient Hellinger–Reissner type mixed finite element for nearly incompressible elasticity. Computer Methods in Applied Mechanics and Engineering, 2018, 340, 278-295.	6.6	15
6	An extension of assumed stress finite elements to a general hyperelastic framework. Advanced Modeling and Simulation in Engineering Sciences, 2019, 6, .	1.7	7
7	Low-order locking-free mixed finite element formulation with approximation of the minors of the deformation gradient. International Journal for Numerical Methods in Engineering, 2019, 120, 1011-1026.	2.8	5
8	On the construction of a triangular Mixed Finite Element based on the principle of Hellinger–Reissner. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800116.	0.2	1
9	Notes on a novel finite element for anisotropy at large strains. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 247-248.	0.2	0
10	Notes on a novel finite element for anisotropy at large strains. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 765-766.	0.2	0