Francesco Liguori

List of Publications by Year
in descending order

16	390	1040056 9	940533 16
papers	citations	h-index	g-index

17	17	17	163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Koiter reduction technique for the nonlinear thermoelastic analysis of shell structures prone to buckling. International Journal for Numerical Methods in Engineering, 2022, 123, 547-576.	2.8	11
2	An isogeometric framework for the optimal design of variable stiffness shells undergoing large deformations. International Journal of Solids and Structures, 2021, 210-211, 18-34.	2.7	29
3	An efficient isostatic mixed shell element for coarse mesh solution. International Journal for Numerical Methods in Engineering, 2021, 122, 82-121.	2.8	7
4	Material Design for Optimal Postbuckling Behaviour of Composite Shells. Materials, 2021, 14, 1665.	2.9	5
5	A corotational mixed flat shell finite element for the efficient geometrically nonlinear analysis of laminated composite structures. International Journal for Numerical Methods in Engineering, 2021, 122, 4575-4608.	2.8	15
6	Nonlinear thermoelastic analysis of shell structures: solid-shell modelling and high-performing continuation method. Composite Structures, 2021, 266, 113734.	5.8	9
7	A robust penalty coupling of non-matching isogeometric Kirchhoffâ€“Love shell patches in large deformations. Computer Methods in Applied Mechanics and Engineering, 2020, 371, 113289.	6.6	35
8	Optimal Design of CNT-Nanocomposite Nonlinear Shells. Nanomaterials, 2020, 10, 2484.	4.1	10
9	Koiter Method and Solid Shell Finite Elements for Postbuckling Optimisation of Variable Angle Tow Composite Structures. Lecture Notes in Mechanical Engineering, 2020, , 1731-1742.	0.4	2
10	Postbuckling optimisation of a variable angle tow composite wingbox using a multi-modal Koiter approach. Thin-Walled Structures, 2019, 138, 183-198.	5.3	66
11	A quasi-static nonlinear analysis for assessing the fire resistance of reinforced concrete 3D frames exploiting time-dependent yield surfaces. Computers and Structures, 2019, 212, 327-342.	4.4	10
12	An isogeometric formulation of the Koiterâ€™s theory for buckling and initial post-buckling analysis of composite shells. Computer Methods in Applied Mechanics and Engineering, 2018, 337, 387-410.	6.6	36
13	Post-buckling optimisation strategy of imperfection sensitive composite shells using Koiter method and Monte Carlo simulation. Composite Structures, 2018, 192, 654-670.	5.8	42
14	An efficient isogeometric solid-shell formulation for geometrically nonlinear analysis of elastic shells. Computer Methods in Applied Mechanics and Engineering, 2018, 331, 159-183.	6.6	62
15	Minkowski plasticity in 3D frames: Decoupled construction of the crossâ€section yield surface and efficient stress update strategy. International Journal for Numerical Methods in Engineering, 2018, 116, 435-464.	2.8	11
16	Accurate and efficient a posteriori account of geometrical imperfections in Koiter finite element analysis. International Journal for Numerical Methods in Engineering, 2017, 112, 1154-1174.	2.8	40