

# Francesco Liguori

## List of Publications by Year in descending order

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16  
papers

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citations

1040056

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17  
times ranked

163  
citing authors

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