

# Roberta Massabo

## List of Publications by Year in descending order

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43  
papers

757  
citations

516710

16  
h-index

526287

27  
g-index

44  
all docs

44  
docs citations

44  
times ranked

346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concepts for bridged Mode II delamination cracks. <i>Journal of the Mechanics and Physics of Solids</i> , 1999, 47, 1265-1300.	4.8	106
2	The effects of shear and near tip deformations on energy release rate and mode mixity of edge-cracked orthotropic layers. <i>Engineering Fracture Mechanics</i> , 2007, 74, 2700-2720.	4.3	73
3	Bridged versus cohesive crack in the flexural behavior of brittle-matrix composites. <i>International Journal of Fracture</i> , 1996, 81, 125-145.	2.2	57
4	Characterizing Mode II Delamination Cracks in Stitched Composites. <i>International Journal of Fracture</i> , 1998, 92, 1-38.	2.2	53
5	Elastic interaction of multiple delaminations in plates subject to cylindrical bending. <i>International Journal of Solids and Structures</i> , 2006, 43, 855-886.	2.7	51
6	Suppression of delaminations in curved structures by stitching. <i>Composites Part A: Applied Science and Manufacturing</i> , 1996, 27, 1133-1138.	7.6	41
7	Dynamic interaction effects of multiple delaminations in plates subject to cylindrical bending. <i>International Journal of Solids and Structures</i> , 2009, 46, 1815-1833.	2.7	36
8	Reversal in Failure Scaling Transition of Fibrous Composites. <i>Journal of Engineering Mechanics - ASCE</i> , 1997, 123, 107-114.	2.9	34
9	The effects of shear and near tip deformations on interface fracture of symmetric sandwich beams. <i>Engineering Fracture Mechanics</i> , 2018, 201, 298-321.	4.3	32
10	Unusual Characteristics of Mixed-Mode Delamination Fracture in the Presence of Large-Scale Bridging. <i>Mechanics of Advanced Materials and Structures</i> , 2001, 8, 61-80.	0.3	29
11	An efficient approach for multilayered beams and wide plates with imperfect interfaces and delaminations. <i>Composite Structures</i> , 2014, 116, 311-324.	5.8	25
12	Assessment and correction of theories for multilayered plates with imperfect interfaces. <i>Meccanica</i> , 2015, 50, 1045-1071.	2.0	25
13	Free vibrations of delaminated beam-type structures with crack bridging. <i>Composite Structures</i> , 2003, 61, 129-142.	5.8	23
14	Delamination in flat sheet geometries with material imperfections and thickness variations. <i>Composites Part B: Engineering</i> , 2008, 39, 139-150.	12.0	22
15	Explicit solutions for multi-layered wide plates and beams with perfect and imperfect bonding and delaminations under thermo-mechanical loading. <i>Meccanica</i> , 2015, 50, 2497-2524.	2.0	21
16	Fracture Mechanics Solutions for Interfacial Cracks between Compressible Thin Layers and Substrates. <i>Coatings</i> , 2019, 9, 152.	2.6	16
17	Mode II dominant fracture of layered composite beams and wide-plates: a homogenized structural approach. <i>Engineering Fracture Mechanics</i> , 2019, 213, 280-301.	4.3	14
18	Wrinkling of Plane Isotropic Biological Membranes. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2007, 74, 550-559.	2.2	13

#	ARTICLE	IF	CITATIONS
19	Propagation of Rayleigh-Lamb waves in multilayered plates through a multiscale structural model. <i>International Journal of Solids and Structures</i> , 2017, 124, 108-124.	2.7	12
20	Thermo-elastic solutions for multilayered wide plates and beams with interfacial imperfections through the transfer matrix method. <i>Meccanica</i> , 2018, 53, 553-571.	2.0	12
21	Orthotropic strip with central semi-infinite crack under arbitrary loads applied far apart from the crack tip. Analytical solution. <i>Engineering Failure Analysis</i> , 2020, 110, 104410.	4.0	9
22	A homogenized structural model for shear deformable composites with compliant interlayers. <i>Multiscale and Multidisciplinary Modeling, Experiments and Design</i> , 2018, 1, 269-290.	2.1	8
23	An analytical beam model for the evaluation of crack tip root rotations and displacements in orthotropic specimens. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 372-393.	0.9	8
24	Local zigzag effects and brittle delamination fracture of n-layered beams using a structural theory with three displacement variables. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 275-287.	0.9	6
25	Cut-off frequencies and correction factors of equivalent single layer theories. <i>Procedia Engineering</i> , 2017, 199, 1466-1471.	1.2	5
26	Bridged and Cohesive Crack Models for Fracture in Composite Materials. , 2013, , 135-154.		4
27	Upper and Lower Bounds for the Parameters of One-Dimensional Theories for Sandwich Fracture Specimens. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2021, 88, .	2.2	4
28	Unusual Characteristics of Mixed-Mode Delamination Fracture in the Presence of Large-Scale Bridging. <i>Mechanics of Advanced Materials and Structures</i> , 2001, 8, 61-80.	2.6	3
29	An analytical solution for the inverted four-point bending test in orthotropic specimens. <i>Engineering Fracture Mechanics</i> , 2021, 245, 107521.	4.3	3
30	Thermo-mechanical Loading of Laminates with Imperfect Interfaces. <i>Procedia Engineering</i> , 2014, 88, 34-41.	1.2	2
31	An approximate solution for the inverted four-point bending test in symmetric specimens. <i>Procedia Structural Integrity</i> , 2019, 18, 657-662.	0.8	2
32	Dynamic Interaction of Multiple Damage Mechanisms in Composite Structures. , 2009, , 133-168.		2
33	The Bridged-Crack Model. <i>Solid Mechanics and Its Applications</i> , 1999, , 141-208.	0.2	2
34	Fracture Mechanics solutions and operative formulae for isotropic bi-material layers with large elastic mismatch. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, , 103451.	4.7	2
35	Mechanics Based Modeling of Composite and Sandwich Structures in the Naval Environment: Elastic Behavior, Fracture and Damage Evolution. , 2020, , 347-386.		1
36	Wave Propagation and Dynamic Correction Factors for Composite Structures. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2018, , 191-208.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Application of a cohesive-zone zig-zag theory to the modeling of mode II dominant delaminations in laminated composites. <i>Procedia Structural Integrity</i> , 2019, 18, 484-489.	0.8	0
38	Mechanical Characterization of Human Skin From In-Vivo Tests and Simulation of Reconstructive Surgery. , 2003, , .		0
39	Small fatigue cracks in laminates with through-thickness reinforcement. , 1999, , 301-313.		0
40	Effective Modeling of Interlaminar Damage in Multilayered Composite Structures Using Zigzag Kinematic Approximations. , 2020, , 1-34.		0
41	The Effects of a Large Elastic Mismatch on the Decohesion of Thin Films from Substrates. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 652-659.	0.4	0
42	Effective Modeling of Interlaminar Damage in Multilayered Composite Structures Using Zigzag Kinematic Approximations. , 2022, , 665-698.		0
43	Root rotations and root displacements in bimaterial layers and thin films. <i>Procedia Structural Integrity</i> , 2022, 41, 461-469.	0.8	0