

Roberta Massabo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effective Modeling of Interlaminar Damage in Multilayered Composite Structures Using Zigzag Kinematic Approximations. , 2022, , 665-698.		0
2	Root rotations and root displacements in bimaterial layers and thin films. Procedia Structural Integrity, 2022, 41, 461-469.	0.8	0
3	Fracture Mechanics solutions and operative formulae for isotropic bi-material layers with large elastic mismatch. Theoretical and Applied Fracture Mechanics, 2022, , 103451.	4.7	2
4	An analytical solution for the inverted four-point bending test in orthotropic specimens. Engineering Fracture Mechanics, 2021, 245, 107521.	4.3	3
5	Upper and Lower Bounds for the Parameters of One-Dimensional Theories for Sandwich Fracture Specimens. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	2.2	4
6	Orthotropic strip with central semi-infinite crack under arbitrary loads applied far apart from the crack tip. Analytical solution. Engineering Failure Analysis, 2020, 110, 104410.	4.0	9
7	Local zigzag effects and brittle delamination fracture of n-layered beams using a structural theory with three displacement variables. Frattura Ed Integrita Strutturale, 2020, 14, 275-287.	0.9	6
8	An analytical beam model for the evaluation of crack tip root rotations and displacements in orthotropic specimens. Frattura Ed Integrita Strutturale, 2020, 14, 372-393.	0.9	8
9	Mechanics Based Modeling of Composite and Sandwich Structures in the Naval Environment: Elastic Behavior, Fracture and Damage Evolution. , 2020, , 347-386.		1
10	Effective Modeling of Interlaminar Damage in Multilayered Composite Structures Using Zigzag Kinematic Approximations. , 2020, , 1-34.		0
11	The Effects of a Large Elastic Mismatch on the Decohesion of Thin Films from Substrates. Lecture Notes in Mechanical Engineering, 2020, , 652-659.	0.4	0
12	Application of a cohesive-zone zig-zag theory to the modeling of mode II dominant delaminations in laminated composites. Procedia Structural Integrity, 2019, 18, 484-489.	0.8	0
13	An approximate solution for the inverted four-point bending test in symmetric specimens. Procedia Structural Integrity, 2019, 18, 657-662.	0.8	2
14	Mode II dominant fracture of layered composite beams and wide-plates: a homogenized structural approach. Engineering Fracture Mechanics, 2019, 213, 280-301.	4.3	14
15	Fracture Mechanics Solutions for Interfacial Cracks between Compressible Thin Layers and Substrates. Coatings, 2019, 9, 152.	2.6	16
16	Wave Propagation and Dynamic Correction Factors for Composite Structures. Springer Transactions in Civil and Environmental Engineering, 2018, , 191-208.	0.4	0
17	Thermo-elastic solutions for multilayered wide plates and beams with interfacial imperfections through the transfer matrix method. Meccanica, 2018, 53, 553-571.	2.0	12
18	A homogenized structural model for shear deformable composites with compliant interlayers. Multiscale and Multidisciplinary Modeling, Experiments and Design, 2018, 1, 269-290.	2.1	8

#	ARTICLE	IF	CITATIONS
19	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
20	Cut-off frequencies and correction factors of equivalent single layer theories. <i>Procedia Engineering</i> , 2017, 199, 1466-1471.	1.2	5
21	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
22	Assessment and correction of theories for multilayered plates with imperfect interfaces. <i>Meccanica</i> , 2015, 50, 1045-1071.	2.0	25
23	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
24	Thermo-mechanical Loading of Laminates with Imperfect Interfaces. <i>Procedia Engineering</i> , 2014, 88, 34-41.	1.2	2
25	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
26	Bridged and Cohesive Crack Models for Fracture in Composite Materials. , 2013, , 135-154.		4
27	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
28	Dynamic Interaction of Multiple Damage Mechanisms in Composite Structures. , 2009, , 133-168.		2
29	Delamination in flat sheet geometries with material imperfections and thickness variations. <i>Composites Part B: Engineering</i> , 2008, 39, 139-150.	12.0	22
30	Wrinkling of Plane Isotropic Biological Membranes. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2007, 74, 550-559.	2.2	13
31	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
32	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
33	Free vibrations of delaminated beam-type structures with crack bridging. <i>Composite Structures</i> , 2003, 61, 129-142.	5.8	23
34	Mechanical Characterization of Human Skin From In-Vivo Tests and Simulation of Reconstructive Surgery. , 2003, , .		0
35	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
36	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

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37	Concepts for bridged Mode II delamination cracks. Journal of the Mechanics and Physics of Solids, 1999, 47, 1265-1300.	4.8	106
38	The Bridged-Crack Model. Solid Mechanics and Its Applications, 1999, , 141-208.	0.2	2
39	Small fatigue cracks in laminates with through-thickness reinforcement. , 1999, , 301-313.		0
40	Characterizing Mode II Delamination Cracks in Stitched Composites. International Journal of Fracture, 1998, 92, 1-38.	2.2	53
41	Reversal in Failure Scaling Transition of Fibrous Composites. Journal of Engineering Mechanics - ASCE, 1997, 123, 107-114.	2.9	34
42	Suppression of delaminations in curved structures by stitching. Composites Part A: Applied Science and Manufacturing, 1996, 27, 1133-1138.	7.6	41
43	Bridged versus cohesive crack in the flexural behavior of brittle-matrix composites. International Journal of Fracture, 1996, 81, 125-145.	2.2	57