

# Sergio Almeida

## List of Publications by Year in descending order

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58  
papers

1,882  
citations

279798

23  
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265206

42  
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58  
all docs

58  
docs citations

58  
times ranked

1359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel criteria for strength predictions of open-hole composite laminates for preliminary design. Composite Structures, 2019, 229, 111409.	5.8	8
2	Weight trades in the design of a composite wing box: effect of various design choices. CEAS Aeronautical Journal, 2019, 10, 403-417.	1.7	8
3	Effect of bending-twisting coupling on the compression and shear buckling strength of infinitely long plates. Composite Structures, 2018, 184, 18-29.	5.8	15
4	Tapered laminate designs for new non-crimp fabric architectures. Composites Part A: Applied Science and Manufacturing, 2017, 100, 150-160.	7.6	5
5	On Extension-Shearing Bending-Twisting coupled laminates. Composite Structures, 2017, 164, 10-22.	5.8	21
6	Effect of Thermal Residual Stresses on Buckling and Post-Buckling Properties of Laminated Composites Perimetrally Reinforced. Latin American Journal of Solids and Structures, 2016, 13, 435-455.	1.0	11
7	Numerical and Experimental Dynamic Analyses of a Postbuckled Box Beam. AIAA Journal, 2016, 54, 1987-2003.	2.6	2
8	The effects of curvature and internal pressure on the compression-after-impact strength of composite laminates. Journal of Composite Materials, 2016, 50, 825-848.	2.4	4
9	Composite plate stiffness multicriteria optimization using lamination parameters. Composite Structures, 2015, 133, 166-177.	5.8	24
10	Optimization of composite plates subjected to buckling and small mass impact using lamination parameters. Composite Structures, 2015, 120, 141-152.	5.8	25
11	Vibration correlation technique for the estimation of real boundary conditions and buckling load of unstiffened plates and cylindrical shells. Thin-Walled Structures, 2014, 79, 119-128.	5.3	48
12	Fractografia de Compósito Estrutural Aeronáutico Submetido ao Ensaio de Tenacidade à Fratura Interlaminar em Modo II. Polimeros, 2014, 24, 65-71.	0.7	10
13	The effect of piezoelectrically induced stress stiffening on the aeroelastic stability of curved composite panels. Composite Structures, 2012, 94, 3601-3611.	5.8	27
14	Ballistic impact simulation of an armour-piercing projectile on hybrid ceramic/fiber reinforced composite armours. International Journal of Impact Engineering, 2012, 43, 63-77.	5.0	96
15	Fractografia de compósito estrutural aeronáutico submetido à caracterização de tenacidade à fratura interlaminar em modo I. Polimeros, 2012, 22, 41-53.	0.7	14
16	An experimental and numerical analysis for the post-buckling behavior of composite shear webs. Composite Structures, 2011, 93, 465-473.	5.8	12
17	A numerical study on the impact resistance of composite shells using an energy based failure model. Composite Structures, 2010, 93, 142-152.	5.8	46
18	Mode I Fracture Toughness Characterization of a Resistance Welded Carbon / PPS Laminate. , 2010, , .		0

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19	A Numerical Model for Post-Buckling Analysis of Composite Shear Webs. <i>Mechanics of Advanced Materials and Structures</i> , 2010, 17, 313-319.	2.6	5
20	A Three-Dimensional Ply Failure Model for Composite Structures. <i>International Journal of Aerospace Engineering</i> , 2009, 2009, 1-22.	0.9	44
21	Hygrothermal effects on quasi-isotropic carbon epoxy laminates with machined and molded edges. <i>Composites Part B: Engineering</i> , 2008, 39, 490-496.	12.0	31
22	A progressive failure model for composite laminates subjected to low velocity impact damage. <i>Computers and Structures</i> , 2008, 86, 1232-1252.	4.4	340
23	Laterally supported sandwich panels subjected to large deflections—Part 1: Test apparatus design and experimental results. <i>Thin-Walled Structures</i> , 2008, 46, 413-422.	5.3	2
24	Laterally supported sandwich panels subjected to large deflections. <i>Thin-Walled Structures</i> , 2008, 46, 423-434.	5.3	4
25	A novel theory for laminated composite beam. , 2008, , .		1
26	Thermoelastic evaluation of composite laminates using digital imaging processing. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 2283-2293.	7.6	7
27	The maximization of fundamental frequency of structures under arbitrary initial stress states. <i>International Journal for Numerical Methods in Engineering</i> , 2006, 65, 445-460.	2.8	12
28	Hygrothermal and Stacking Sequence Effects on Carbon Epoxy Composites with Molded Edges. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 1109-1115.	1.9	3
29	Effect of Void Content on the Moisture Absorption in Polymeric Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 691-698.	1.9	81
30	Optimum design for buckling of arbitrary shaped ribs under uncertain loadings. <i>Aeronautical Journal</i> , 2005, 109, 609-618.	1.6	1
31	Hygrothermal effects on dynamic mechanical analysis and fracture behavior of polymeric composites. <i>Materials Research</i> , 2005, 8, 335-340.	1.3	55
32	Strength of Hygrothermally Conditioned Polymer Composites with Voids. <i>Journal of Composite Materials</i> , 2005, 39, 1943-1961.	2.4	63
33	Critical Void Content for Polymer Composite Laminates. <i>AIAA Journal</i> , 2005, 43, 1336-1341.	2.6	33
34	Buckling Optimization of Variable Thickness Composite Plates Subjected to Nonuniform Loads. <i>AIAA Journal</i> , 2004, 42, 228-231.	2.6	4
35	Buckling optimization of plates with variable thickness subjected to nonuniform uncertain loads. <i>International Journal of Solids and Structures</i> , 2003, 40, 3955-3966.	2.7	16
36	Sandwich-Plate Vibration Analysis: Three-Layer Quasi-Three-Dimensional Finite Element Model. <i>AIAA Journal</i> , 2003, 41, 1547-1555.	2.6	31

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37	Time dependent response of a rubber-toughened carbon/epoxy composite with damage accumulation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2003, 25, 174-179.	1.6	0
38	Buckling of Composite Plates with Local Damage and Thermal Residual Stresses. AIAA Journal, 2002, 40, 340-345.	2.6	3
39	Stiffening effects on the natural frequencies of laminated plates with piezoelectric actuators. Composites Part B: Engineering, 2002, 33, 335-342.	12.0	37
40	The influence of porosity on the interlaminar shear strength of carbon/epoxy and carbon/bismaleimide fabric laminates. Composites Science and Technology, 2001, 61, 2101-2108.	7.8	228
41	Stiffening effects on the free vibration behavior of composite plates with PZT actuators. Composite Structures, 2000, 49, 55-63.	5.8	35
42	Hygrothermal effects on the tensile strength of carbon/epoxy laminates with molded edges. Materials Research, 2000, 3, 11-17.	1.3	25
43	Shape Control of Laminated Plates with Piezoelectric Actuators Including Stress-Stiffening Effects. AIAA Journal, 1999, 37, 1017-1019.	2.6	9
44	Enhancement of pre-buckling behavior of composite beams with geometric imperfections using piezoelectric actuators. Composites Part B: Engineering, 1999, 30, 43-50.	12.0	33
45	Notch sensitivity of carbon/epoxy fabric laminates. Composites Science and Technology, 1999, 59, 1143-1151.	7.8	34
46	Natural frequencies of composite plates with tailored thermal residual-stresses. International Journal of Solids and Structures, 1999, 36, 3517-3539.	2.7	20
47	Enhanced measurement of strain distributions. Experimental Mechanics, 1998, 38, 48-54.	2.0	0
48	Axisymmetric actuation of composite cylindrical thin shells with piezoelectric rings. Smart Materials and Structures, 1998, 7, 843-850.	3.5	14
49	Stress Stiffening Effects in Laminated Beams with Piezoelectric Actuators. Journal of Intelligent Material Systems and Structures, 1998, 9, 137-145.	2.5	31
50	Enhanced Elastic Buckling Loads of Composite Plates With Tailored Thermal Residual Stresses. Journal of Applied Mechanics, Transactions ASME, 1997, 64, 772-780.	2.2	36
51	Numerical Analysis of Asymmetrical-Core Two-Mode Fiber Interferometers Subjected to Bending. Journal of Intelligent Material Systems and Structures, 1996, 7, 78-88.	2.5	2
52	Modeling of Actively Damped Beams with Piezoelectric Actuators with Finite Stiffness Bond. Journal of Intelligent Material Systems and Structures, 1996, 7, 677-688.	2.5	14
53	Modeling of the bend sensitivity of asymmetrical-core two-mode fiber interferometers. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 869.	1.5	4
54	Effect of void content on the strength of composite laminates. Composite Structures, 1994, 28, 139-148.	5.8	232

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55	Effect of the free edge finishing on the tensile strength of carbon/epoxy laminates. Composite Structures, 1993, 25, 287-293.	5.8	16
56	The CIM philosophy and the Mobility Technology. , 0, , .		0
57	A development of a Finite Element Model, based in a novel beam theory. , 0, , .		0
58	Bonded Lap Joint Analytical Model. , 0, , .		0