

# Manuel Aenlle

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

850  
citations

471509

17  
h-index

501196

28  
g-index

52  
all docs

52  
docs citations

52  
times ranked

578  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative review of time- and frequency-domain methods for fatigue damage assessment. International Journal of Fatigue, 2022, 163, 107069.	5.7	19
2	Buckling of laminated glass plates using the effective thickness concept. Journal of Sandwich Structures and Materials, 2021, 23, 3303-3335.	3.5	3
3	Flexural fatigue behaviour of a heated ultra-high-performance fibre-reinforced concrete. Construction and Building Materials, 2021, 276, 122209.	7.2	11
4	Corrigendum to "Modal Mass and Length of Mode Shapes in Structural Dynamics". Shock and Vibration, 2021, 2021, 1-16.	0.6	2
5	Long-term loading and recovery of a laminated glass slab with three different interlayers. Construction and Building Materials, 2021, 287, 122991.	7.2	14
6	Experimental study and comparison of different fully transparent laminated glass beam designs. Glass Structures and Engineering, 2021, 6, 463-486.	1.7	1
7	Robust Cross-Orthogonality Check Using the Principle of Local Correspondence. Shock and Vibration, 2020, 2020, 1-12.	0.6	0
8	Modal Mass and Length of Mode Shapes in Structural Dynamics. Shock and Vibration, 2020, 2020, 1-16.	0.6	16
9	Modal Participation Estimated from the Response Correlation Matrix. Shock and Vibration, 2019, 2019, 1-10.	0.6	0
10	One-Step FE Model Updating Using Local Correspondence and Mode Shape Orthogonality. Shock and Vibration, 2019, 2019, 1-12.	0.6	2
11	Mechanical characterization of polyvinyl butyral from static and modal tests on laminated glass beams. Composites Part B: Engineering, 2019, 169, 9-18.	12.0	21
12	Static and dynamic effective thickness in five-layered glass plates. Composite Structures, 2019, 212, 259-270.	5.8	8
13	Natural frequencies and damping ratios of multi-layered laminated glass beams using a dynamic effective thickness. Journal of Sandwich Structures and Materials, 2019, 21, 439-463.	3.5	10
14	Dynamic Behavior of Supported Structures from Free-Free Modal Tests Using Structural Dynamic Modification. Shock and Vibration, 2018, 2018, 1-14.	0.6	3
15	A new scenario-based approach to damage detection using operational modal parameter estimates. Mechanical Systems and Signal Processing, 2017, 94, 359-373.	8.0	15
16	Buckling of multilayered laminated glass beams: Validation of the effective thickness concept. Composite Structures, 2017, 169, 2-9.	5.8	10
17	Fatigue damage detection and prediction of fatigue life on a cantilever beam. International Journal of Structural Integrity, 2017, 8, 648-655.	3.3	0
18	Calculation of displacements and stresses in laminated glass beams under dynamic loadings using an effective Young modulus. Procedia Engineering, 2017, 199, 1405-1410.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Study of the time-temperature-dependent behaviour of PVB: Application to laminated glass elements. Thin-Walled Structures, 2017, 119, 324-331.	5.3	50
20	Application of Modal Superposition Technique in the Fatigue Analysis Using Local Approaches. Procedia Engineering, 2016, 160, 45-52.	1.2	7
21	A general procedure for estimating dynamic displacements using strain measurements and operational modal analysis. Smart Materials and Structures, 2016, 25, 025020.	3.5	16
22	Buckling of laminated-glass beams using the effective-thickness concept. Composite Structures, 2016, 137, 44-55.	5.8	17
23	Cálculo de desplazamientos en placas de vidrio laminado sometidas a carga estática mediante el concepto de módulo de elasticidad efectivo. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2015, 54, 69-76.	1.9	3
24	An effective thickness to estimate stresses in laminated glass beams under dynamic loadings. Composites Part B: Engineering, 2015, 82, 1-12.	12.0	11
25	Modal Analysis Based Stress Estimation for Structural Elements Subjected to Operational Dynamic Loadings. Experimental Mechanics, 2015, 55, 1791-1802.	2.0	19
26	Mode shape sensitivity of two closely spaced eigenvalues. Journal of Sound and Vibration, 2015, 334, 377-387.	3.9	35
27	A local correspondence principle for mode shapes in structural dynamics. Mechanical Systems and Signal Processing, 2014, 45, 91-104.	8.0	49
28	ProFatigue: A Software Program for Probabilistic Assessment of Experimental Fatigue Data Sets. Procedia Engineering, 2014, 74, 236-241.	1.2	48
29	Dynamic effective thickness in laminated-glass beams and plates. Composites Part B: Engineering, 2014, 67, 332-347.	12.0	25
30	Modal Scaling in OMA Using the Mass matrix of a Finite Element Model. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 263-270.	0.5	1
31	Detection of Mass Change on a Glass Plate. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 61-66.	0.5	1
32	Dynamic Behavior of Laminated Glass Beams. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 283-291.	0.5	0
33	Modal scaling in operational modal analysis using a finite element model. International Journal of Mechanical Sciences, 2013, 76, 86-101.	6.7	46
34	The effective-thickness concept in laminated-glass elements under static loading. Engineering Structures, 2013, 56, 1092-1102.	5.3	16
35	Frequency Response of Laminated Glass Elements: Analytical Modeling and Effective Thickness. Applied Mechanics Reviews, 2013, 65, .	10.1	16
36	Strain Estimation in a Glass Beam Using Operational Modal Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 375-382.	0.5	1

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37	Influence of the Support Conditions in the Modal Parameters of a Cantilever Beam. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 335-341.	0.5	0
38	On exact and approximated formulations for scaling-mode shapes in operational modal analysis by mass and stiffness change. Journal of Sound and Vibration, 2012, 331, 622-637.	3.9	47
39	Estimating the S <sup>N</sup> Field From Strain <sup>L</sup> Lifetime Curves. Strain, 2011, 47, e93.	2.4	8
40	Scaling Mode Shapes in Output-Only Systems by a Consecutive Mass Change Method. Experimental Mechanics, 2011, 51, 995-1005.	2.0	12
41	Using statistical compatibility to derive advanced probabilistic fatigue models. Procedia Engineering, 2010, 2, 1131-1140.	1.2	6
42	Scaling-factor estimation using an optimized mass-change strategy. Mechanical Systems and Signal Processing, 2010, 24, 1260-1273.	8.0	41
43	A critical comparison of two models for assessment of fatigue data. International Journal of Fatigue, 2008, 30, 45-57.	5.7	28
44	A general regression model for statistical analysis of strain <sup>L</sup> life fatigue data. Materials Letters, 2008, 62, 3639-3642.	2.6	34
45	Fatigue behaviour of hot rolled reinforcing bars of austenitic and duplex stainless steels. Materials Science and Technology, 2007, 23, 145-150.	1.6	59
46	A fatigue model with local sensitivity analysis. Fatigue and Fracture of Engineering Materials and Structures, 2007, 30, 149-168.	3.4	36
47	Some fatigue damage measures for longitudinal elements based on the Wohler field. Fatigue and Fracture of Engineering Materials and Structures, 2007, 30, 1063-1075.	3.4	8
48	Specimen length effect on parameter estimation in modelling fatigue strength by Weibull distribution. International Journal of Fatigue, 2006, 28, 1047-1058.	5.7	55