

Anders Brandt

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

677
citations

1040056

9
h-index

794594

19
g-index

33
all docs

33
docs citations

33
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonance frequencies of the human skull <i>in vivo</i> . Journal of the Acoustical Society of America, 1994, 95, 1474-1481.	1.1	96
2	A signal processing framework for operational modal analysis in time and frequency domain. Mechanical Systems and Signal Processing, 2019, 115, 380-393.	8.0	55
3	Linearity of sound transmission through the human skull <i>in vivo</i> . Journal of the Acoustical Society of America, 1996, 99, 2239-2243.	1.1	45
4	Scaling of mode shapes from operational modal analysis using harmonic forces. Journal of Sound and Vibration, 2017, 407, 128-143.	3.9	25
5	Aerodynamic stability of long span suspension bridges with low torsional natural frequencies. Engineering Structures, 2016, 120, 82-91.	5.3	22
6	Damping assessment of light wooden assembly with and without damping material. Engineering Structures, 2013, 49, 434-447.	5.3	19
7	Global scaling of operational modal analysis modes with the OMAH method. Mechanical Systems and Signal Processing, 2019, 117, 52-64.	8.0	19
8	FE modelling of light weight wooden assemblies – Parameter study and comparison between analyses and experiments. Engineering Structures, 2014, 73, 125-142.	5.3	13
9	Flutter derivatives from free decay tests of a rectangular B/D=10 section estimated by optimized system identification methods. Engineering Structures, 2018, 156, 284-293.	5.3	11
10	Aerodynamic Instability Investigations of a Novel, Flexible and Lightweight Triple-Box Girder Design for Long-Span Bridges. Journal of Bridge Engineering, 2018, 23, 04018095.	2.9	9
11	An inconsistent phase selection assessment for harmonic peaks elimination in operational modal testing. Archive of Applied Mechanics, 2019, 89, 2415-2430.	2.2	9
12	Random decrement technique for detection and characterization of nonlinear behavior. Mechanical Systems and Signal Processing, 2020, 143, 106841.	8.0	9
13	Influence of Noise in Correlation Function Estimates for Operational Modal Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 55-64.	0.5	9
14	Enhanced demodulation band selection based on Operational Modal Analysis (OMA) for bearing diagnostics. Mechanical Systems and Signal Processing, 2022, 181, 109300.	8.0	9
15	Automated impact device with non-synchronous impacts: a practical solution for modal testing during operation. Journal of Zhejiang University: Science A, 2018, 19, 452-460.	2.4	8
16	Experimental determination of structural damping of a full-scale building with and without tuned liquid dampers. Structural Control and Health Monitoring, 2021, 28, e2676.	4.0	5
17	Impact Excitation Processing for Improved Frequency Response Quality. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 89-95.	0.5	5
18	Dynamic Characterization of the Little Belt Suspension Bridge by Operational Modal Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 17-22.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Structural Dynamics Teaching Example: A Linear Test Analysis Case Using Open Software. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 143-154.	0.5	4
20	The influence of gap- and chord-widths for multi-box girders: Superposition of flat plate flutter derivatives and section model tests. Journal of Fluids and Structures, 2022, 109, 103489.	3.4	4
21	Improved computation in terms of accuracy and speed of LTI system response with arbitrary input. Mechanical Systems and Signal Processing, 2021, 150, 107252.	8.0	3
22	The ABRVIBE Toolbox for Teaching Vibration Analysis and Structural Dynamics. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 131-141.	0.5	2
23	Modal Test Results of a Ship Under Operational Conditions. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 199-206.	0.5	2
24	Lab Exercises for a Course on Mechanical Vibrations. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 15-20.	0.5	1
25	Some Cornerstones of Signal Analysis History. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 33-36.	0.5	1
26	Flipping the Classroom for a Class on Experimental Vibration Analysis. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 155-159.	0.5	1
27	Actual Accuracy in Flight Data Collection and Analysis. , 0, , .		0
28	Conditional linear approximation of nonlinear systems using Operational Modal Analysis. Structural Control and Health Monitoring, 2021, 28, e2844.	4.0	0
29	Estimating Low-Bias Frequency Response Using Random Decrement. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 497-502.	0.5	0
30	Unbiased Estimation of Frequency Response in the Presence of Input and Output Noise. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 299-305.	0.5	0
31	A Comparison of Non-Parametric Techniques for FRF Estimation Using Pure Random Excitation. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 523-534.	0.5	0
32	Preliminary Results of Vibration Measurements on a Wind Turbine Test Bench. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 211-220.	0.5	0