

Jean-Philippe Noël

List of Publications by Year in descending order

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34
papers

936
citations

623734

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h-index

454955

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36
all docs

36
docs citations

36
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement and identification of the nonlinear dynamics of a jointed structure using full-field data, Part I: Measurement of nonlinear dynamics. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108401.	8.0	20
2	Measurement and identification of the nonlinear dynamics of a jointed structure using full-field data; Part II - Nonlinear system identification. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108402.	8.0	17
3	Dynamics of Geometrically-Nonlinear Beam Structures, Part 2: Experimental Analysis. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2020, , 217-220.	0.5	0
4	Numerical Assessment of Polynomial Nonlinear State-Space and Nonlinear-Mode Models for Near-Resonant Vibrations. <i>Vibration</i> , 2020, 3, 320-342.	1.9	2
5	Experimental assessment of polynomial nonlinear state-space and nonlinear-mode models for near-resonant vibrations. <i>Mechanical Systems and Signal Processing</i> , 2020, 143, 106796.	8.0	12
6	Output Error Methods for Robot Identification. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2020, 142, .	1.6	12
7	Subspace-Based Identification of a Distributed Nonlinearity in Time and Frequency Domains. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 283-285.	0.5	3
8	Experimental identification of distributed nonlinearities in the modal domain. <i>Journal of Sound and Vibration</i> , 2019, 458, 426-444.	3.9	13
9	Nonlinear dynamic model upgrading and updating using sine-sweep vibration data. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20190166.	2.1	6
10	System Identification of Jointed Structures: Nonlinear Modal Testing Vs. State-Space Model Identification. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 159-161.	0.5	1
11	Model Updating of a Wing-Engine Structure with Nonlinear Connections. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 373-374.	0.5	0
12	Nonlinearities of an Aircraft Piccolo Tube: Identification and Modeling. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 57-59.	0.5	0
13	Grey-box state-space identification of nonlinear mechanical vibrations. <i>International Journal of Control</i> , 2018, 91, 1118-1139.	1.9	20
14	Parameter reduction in nonlinear state-space identification of hysteresis. <i>Mechanical Systems and Signal Processing</i> , 2018, 104, 884-895.	8.0	25
15	Bayesian model updating of nonlinear systems using nonlinear normal modes. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2258.	4.0	28
16	Experimental study of isolas in nonlinear systems featuring modal interactions. <i>PLoS ONE</i> , 2018, 13, e0194452.	2.5	16
17	Model reduction and frequency residuals for a robust estimation of nonlinearities in subspace identification. <i>Mechanical Systems and Signal Processing</i> , 2017, 93, 312-331.	8.0	5
18	Nonlinear Phase Separation Testing of an Experimental Wing-Engine Structure. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 115-117.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Nonlinear system identification in structural dynamics: 10 more years of progress. Mechanical Systems and Signal Processing, 2017, 83, 2-35.	8.0	349
20	A nonlinear state-space approach to hysteresis identification. Mechanical Systems and Signal Processing, 2017, 84, 171-184.	8.0	54
21	Polynomial State-Space Model Decoupling for the Identification of Hysteretic Systems. IFAC-PapersOnLine, 2017, 50, 458-463.	0.9	9
22	Identification of Complex Nonlinearities Using Cubic Splines with Automatic Discretization. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 51-54.	0.5	0
23	Experimental Modal Analysis of Nonlinear Structures Using Broadband Data. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 219-240.	0.5	1
24	Identification of nonlinear normal modes of engineering structures under broadband forcing. Mechanical Systems and Signal Processing, 2016, 74, 95-110.	8.0	37
25	Obtaining Nonlinear Frequency Responses from Broadband Testing. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 219-227.	0.5	1
26	Grey-box nonlinear state-space modelling for mechanical vibrations identification. IFAC-PapersOnLine, 2015, 48, 817-822.	0.9	3
27	Bifurcation Analysis of a Spacecraft Structure Using the Harmonic Balance Method. , 2015, , .		0
28	Complex dynamics of a nonlinear aerospace structure: numerical continuation and normal modes. Nonlinear Dynamics, 2015, 79, 1293-1309.	5.2	45
29	Grey-box identification of a non-linear solar array structure using cubic splines. International Journal of Non-Linear Mechanics, 2014, 67, 106-119.	2.6	17
30	Complex dynamics of a nonlinear aerospace structure: Experimental identification and modal interactions. Journal of Sound and Vibration, 2014, 333, 2588-2607.	3.9	77
31	Subspace-based identification of a nonlinear spacecraft in the time and frequency domains. Mechanical Systems and Signal Processing, 2014, 43, 217-236.	8.0	64
32	Subspace and Nonlinear-Normal-Modes-Based Identification of a Beam with Softening-Hardening Behaviour. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 55-68.	0.5	6
33	A Stochastic Framework for Subspace Identification of a Strongly Nonlinear Aerospace Structure. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 169-182.	0.5	0
34	Frequency-domain subspace identification for nonlinear mechanical systems. Mechanical Systems and Signal Processing, 2013, 40, 701-717.	8.0	85