

# Luis Gustavo Giacon Villani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2918942/publications.pdf>

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12  
papers

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citations

1683934

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1474057

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12  
all docs

12  
docs citations

12  
times ranked

66  
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage detection in uncertain nonlinear systems based on stochastic Volterra series. Mechanical Systems and Signal Processing, 2019, 125, 288-310.	4.4	25
2	Non-Hermitian elastic waveguides with piezoelectric feedback actuation: non-reciprocal bands and skin modes. Journal Physics D: Applied Physics, 2021, 54, 285302.	1.3	24
3	Damage detection in an uncertain nonlinear beam based on stochastic Volterra series: An experimental application. Mechanical Systems and Signal Processing, 2019, 128, 463-478.	4.4	15
4	On the detection of a nonlinear damage in an uncertain nonlinear beam using stochastic Volterra series. Structural Health Monitoring, 2020, 19, 1137-1150.	4.3	12
5	On the use of the GP-NARX model for predicting hysteresis effects of bolted joint structures. Mechanical Systems and Signal Processing, 2021, 159, 107751.	4.4	9
6	Damage detection in an uncertain nonlinear beam. Procedia Engineering, 2017, 199, 2090-2095.	1.2	5
7	Autoregressive model extrapolation using cubic splines for damage progression analysis. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	2
8	Band gap optimization of one-dimension elastic waveguides using spatial Fourier plane wave expansion coefficients. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2594-2609.	1.1	2
9	IDENTIFICATION OF A NONLINEAR BEAM THROUGH A STOCHASTIC MODEL BASED ON A DUFFING OSCILLATOR. , 0, , .		2
10	An optimizationless stochastic volterra series approach for nonlinear model identification. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, .	0.8	2
11	Uncertainty Analysis in Volterra Series Applied in a Nonlinear System.. , 0, , .		0
12	Uso do Método de Superfície de Resposta para Estimar um Modelo Estocástico de uma Viga Não Linear com Rigidez Cúbica. , 0, , .		0