

# Silvio Sorrentino

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

198  
citations

1307594

7  
h-index

1058476

14  
g-index

26  
all docs

26  
docs citations

26  
times ranked

138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of anisotropic supports on the stability of parametrically excited slender rotors. <i>Nonlinear Dynamics</i> , 2022, 109, 793-813.	5.2	2
2	In-plane vibration analysis of plates with periodic skeletal truss microstructures. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 1451-1461.	2.6	0
3	Patter instability of racing motorcycles in straight braking manoeuvre. <i>Vehicle System Dynamics</i> , 2021, 59, 33-55.	3.7	7
4	A method for the experimental identification of equivalent viscoelastic models from vibration of thin plates. <i>Mechanical Systems and Signal Processing</i> , 2021, 153, 107527.	8.0	15
5	Damping and gyroscopic effects on the stability of parametrically excited continuous rotor systems. <i>Nonlinear Dynamics</i> , 2021, 103, 3529-3555.	5.2	13
6	Stability Analysis of Parametrically Excited Gyroscopic Systems. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 1316-1331.	0.4	3
7	On the dynamic behaviour of rotating shafts under combined axial and torsional loads. <i>Meccanica</i> , 2019, 54, 1029-1055.	2.0	10
8	Power Spectral Density Response of Bridge-Like Structures Loaded by Stochastic Moving Forces. <i>Shock and Vibration</i> , 2019, 2019, 1-10.	0.6	2
9	Dynamical analysis of fluid lines coupled to mechanical systems taking into account fluid frequency-dependent damping and non-conventional constitutive models: Part 2 "Coupling with mechanical systems. <i>Mechanical Systems and Signal Processing</i> , 2015, 50-51, 281-295.	8.0	1
10	Dynamical analysis of fluid lines coupled to mechanical systems taking into account fluid frequency-dependent damping and non-conventional constitutive models: part 1 "Modeling fluid lines. <i>Mechanical Systems and Signal Processing</i> , 2015, 50-51, 260-280.	8.0	0
11	Analysis of Friction in Bi-Dimensional Pipe Flow Using Non Conventional Constitutive Models. , 2013, , .		0
12	Spectral modeling of vibrating plates with general shape and general boundary conditions. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 1607-1623.	2.6	4
13	Spectral analysis of vibrating plates with general shape. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2011, , 77-88.	0.5	0
14	Rayleigh-Ritz Analysis of Vibrating Plates Based on a Class of Eigenfunctions. , 2009, , .		1
15	A Condensation Technique for Finite Element Dynamic Analysis Using Fractional Derivative Viscoelastic Models. <i>JVC/Journal of Vibration and Control</i> , 2008, 14, 1573-1586.	2.6	10
16	Experimental Validation of Non-Conventional Viscoelastic Models via Equivalent Damping Estimates. , 2008, , .		0
17	Discrete Spectral Modelling of Continuous Structures With Fractional Derivative Viscoelastic Behaviour. , 2007, , .		0
18	Finite element analysis of vibrating linear systems with fractional derivative viscoelastic models. <i>Journal of Sound and Vibration</i> , 2007, 299, 839-853.	3.9	42

#	ARTICLE	IF	CITATIONS
19	Analysis of non-homogeneous Timoshenko beams with generalized damping distributions. Journal of Sound and Vibration, 2007, 304, 779-792.	3.9	24
20	Analytical Modelling and Experimental Identification of Viscoelastic Mechanical Systems. , 2007, , 403-416.		10
21	FINITE ELEMENT ANALYSIS OF VIBRATING NON-HOMOGENEOUS BEAMS WITH FRACTIONAL DERIVATIVE VISCOELASTIC MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 280-285.	0.4	3
22	Frequency Domain Analysis of a Fractional Derivative SDOF System. , 2005, , 299.		0
23	Experimental Identification of a Fractional Derivative Linear Model for Viscoelastic Materials. , 2005, , 373.		5
24	A new analytical technique for vibration analysis of non-proportionally damped beams. Journal of Sound and Vibration, 2003, 265, 765-782.	3.9	46