SÃ©bastien Berger

List of Publications by Year
in descending order

17	172	1163117 8	1125743 13
papers	citations	h-index	g-index

17	17	17	77
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robust optimization of nonlinear energy sinks used for mitigation of friction-induced limit cycle oscillations. European Journal of Mechanics, A/Solids, 2022, 93, 104529.	3.7	2
2	Prediction of the dynamic behavior of an uncertain friction system coupled to nonlinear energy sinks using a multi-element generalized polynomial chaos approach. European Journal of Mechanics, A/Solids, 2020, 80, 103917.	3.7	11
3	Stability analysis of a clutch system with uncertain parameters using sparse polynomial chaos expansions. Mechanics and Industry, 2019, 20, 104.	1.3	1
4	Mode coupling instability mitigation in friction systems by means of nonlinear energy sinks: Numerical highlighting and local stability analysis. JVC/Journal of Vibration and Control, 2018, 24, 3487-3511.	2.6	24
5	Stability analysis of a clutch system with multi-element generalized polynomial chaos. Mechanics and Industry, 2016, 17, 205.	1.3	10
6	Wienerâ€“Askey and Wienerâ€“Haar Expansions for the Analysis and Prediction of Limit Cycle Oscillations in Uncertain Nonlinear Dynamic Friction Systems. Journal of Computational and Nonlinear Dynamics, 2014, 9, .	1.2	6
7	Non-intrusive generalized polynomial chaos for the robust stability analysis of uncertain nonlinear dynamic friction systems. Journal of Sound and Vibration, 2013, 332, 1204-1215.	3.9	33
8	Robust design strategy applied to a vehicle suspension system with high camber angle tyres. International Journal of Vehicle Design, 2013, 62, 42.	0.3	4
9	Prediction of Random Self Friction-Induced Vibrations in Uncertain Dry Friction Systems Using a Multi-Element Generalized Polynomial Chaos Approach. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.6	17
10	Wienerâ€“Haar Expansion for the Modeling and Prediction of the Dynamic Behavior of Self-Excited Nonlinear Uncertain Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	10
11	A polynomial chaos approach to the robust analysis of the dynamic behaviour of friction systems. European Journal of Mechanics, A/Solids, 2011, 30, 594-607.	3.7	33
12	Non-intrusive generalized polynomial chaos approach to the stability analysis of uncertain nonlinear dynamic systems. , 2011, , .		2
13	Stability Analysis for a Self-exciting Mechanism with Friction Using Interval Computations. International Journal of Vehicle Structures and Systems, 2011, 3, .	0.2	0
14	ModÃ©lisation robuste du comportement dynamique dâ€™un systÃ¨me non-lineaire frottant. Mecanique Et Industries, 2010, 11, 123-132.	0.2	0
15	Comportement dynamique des paliers-butÃ©es de ligne d'arbres soumis Ã des dÃ©fauts gÃ©omÃ©triques. Mecanique Et Industries, 2004, 5, 41-47.	0.2	0
16	INFLUENCE OF A LEVELNESS DEFECT IN A THRUST BEARING ON THE DYNAMIC BEHAVIOUR OF AN ELASTIC SHAFT. Journal of Sound and Vibration, 2002, 249, 41-53.	3.9	4
17	Influence of axial thrust bearing defects on the dynamic behavior of an elastic shaft. Tribology International, 2000, 33, 153-160.	5.9	15