Benoit Prabel

List of Publications by Year
in descending order

14 papers	351 citations	1162889 8 h-index	1474057 9 g-index
14 all docs	14 docs citations	14 times ranked	249 citing authors

#	Article	IF	Citations
1	Period doubling bifurcation analysis and isolated sub-harmonic resonances in an oscillator with asymmetric clearances. Nonlinear Dynamics, 2019, 98, 2939-2960.	2.7	33
2	A 3D automatic mesh refinement X-FEM approach for fatigue crack propagation. Finite Elements in Analysis and Design, 2019, 157, 21-37.	1.7	16
3	Extended finite element modeling of 3D dynamic crack growth under impact loading. Finite Elements in Analysis and Design, 2018, 151, 1-17.	1.7	4
4	Bifurcation tracking by Harmonic Balance Method for performance tuning of nonlinear dynamical systems. Mechanical Systems and Signal Processing, 2017, 88, 445-461.	4.4	61
5	Numerical Tracking of Limit Points for Direct Parametric Analysis in Nonlinear Rotordynamics. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.0	11
6	SOME REMARKS ON TIME INTEGRATION OF 3D ROTOR-STATOR ASSEMBLY. , 2016, , .		0
7	Parametric Analysis of the Nonlinear Behavior of Rotating Structures. , 2015, , .		0
8	2D fatigue crack propagation in rails taking into account actual plastic stresses. Engineering Fracture Mechanics, 2014, 123, 163-181.	2.0	26
9	Modelling the Tearing Crack Growth in a Ductile Ferritic Steel Using X-FEM Elements. , 2011, , .		0
10	A 3D finite element model for the vibration analysis of asymmetric rotating machines. Journal of Sound and Vibration, 2010, 329, 3780-3797.	2.1	59
11	Using the X-FEM method to model the dynamic propagation and arrest of cleavage cracks in ferritic steel. Engineering Fracture Mechanics, 2008, 75, 2984-3009.	2.0	43
12	Mixed Mode Brittle Crack Propagation Modelling in a PWR Vessel Steel. , 2008, , .		1
13	Dynamic Crack Propagation and Arrest in PWR Pressure Vessel Steel: Interpretation of Experiment With the X-FEM Method. , 2007, , 203.		0
14	Level set X-FEM non-matching meshes: application to dynamic crack propagation in elastic–plastic media. International Journal for Numerical Methods in Engineering, 2007, 69, 1553-1569.	1.5	97