

Benoit Prabel

List of Publications by Year in descending order

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14
papers

351
citations

1162889
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h-index

1474057
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g-index

14
all docs

14
docs citations

14
times ranked

249
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Period doubling bifurcation analysis and isolated sub-harmonic resonances in an oscillator with asymmetric clearances. Nonlinear Dynamics, 2019, 98, 2939-2960.	2.7	33
6	2D fatigue crack propagation in rails taking into account actual plastic stresses. Engineering Fracture Mechanics, 2014, 123, 163-181.	2.0	26
7	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
8	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
9	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
10	Mixed Mode Brittle Crack Propagation Modelling in a PWR Vessel Steel. , 2008, , .		1
11	Dynamic Crack Propagation and Arrest in PWR Pressure Vessel Steel: Interpretation of Experiment With the X-FEM Method. , 2007, , 203.		0
12	Modelling the Tearing Crack Growth in a Ductile Ferritic Steel Using X-FEM Elements. , 2011, , .		0
13	Parametric Analysis of the Nonlinear Behavior of Rotating Structures. , 2015, , .		0
14	SOME REMARKS ON TIME INTEGRATION OF 3D ROTOR-STATOR ASSEMBLY. , 2016, , .		0