Eric Florentin

List of Publications by Year
in descending order

28 papers	381 citations	840585 11 h-index	794469 19 g-index
29 all docs	29 docs citations	29 times ranked	219 citing authors

#	Article	IF	Citations
1	Identification of the parameters of an elastic material model using the constitutive equation gap method. Computational Mechanics, 2010, 46, 521-531.	2.2	73
2	The constitutive compatibility method for identification of material parameters based on full-field measurements. Computer Methods in Applied Mechanics and Engineering, 2013, 265, 1-14.	3.4	44
3	A new non-intrusive technique for the construction of admissible stress fields in model verification. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 766-777.	3.4	39
4	Evaluation of the local quality of stresses in 3D finite element analysis. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 4441-4457.	3.4	28
5	A Dissipation Gap Method for full‐field measurement‐based identification of elasto‐plastic material parameters. International Journal for Numerical Methods in Engineering, 2012, 91, 685-704.	1.5	28
6	Adaptive reduced basis strategy based on goal oriented error assessment for stochastic problems. Computer Methods in Applied Mechanics and Engineering, 2012, 225-228, 116-127.	3.4	25
7	Verification of stochastic models in uncertain environments using the constitutive relation error method. Computer Methods in Applied Mechanics and Engineering, 2006, 196, 225-234.	3.4	21
8	Using constitutive equation gap method for identification of elastic material parameters: technical insights and illustrations. International Journal on Interactive Design and Manufacturing, 2011, 5, 227-234.	1.3	15
9	Local error estimator for stresses in 3D structural analysis. Computers and Structures, 2003, 81, 1751-1757.	2.4	14
10	Strict upper bounds of the error in calculated outputs of interest for plasticity problems. Computer Methods in Applied Mechanics and Engineering, 2012, 245-246, 194-205.	3.4	13
11	Sensitivity analysis based on non-intrusive regression-based polynomial chaos expansion for surgical mesh modelling. Structural and Multidisciplinary Optimization, 2018, 57, 1391-1409.	1.7	13
12	Robust goal-oriented error estimation based on the constitutive relation error for stochastic problems. Computers and Structures, 2012, 106-107, 189-195.	2.4	12
13	Adaptive meshing for local quality of FE stresses. Engineering Computations, 2005, 22, 149-164.	0.7	10
14	A simple estimator for stress errors dedicated to large elastic finite element simulations. Engineering Computations, 2011, 28, 76-92.	0.7	9
15	The global equilibrium method and its hybrid implementation for identifying heterogeneous elastic material parameters. Computers and Structures, 2011, 89, 656-667.	2.4	7
16	Accuracy and Robustness Analysis of Geometric Finite Element Model Updating Approach for Material Parameters Identification in Transient Dynamic. International Journal of Computational Methods, 2019, 16, 1850084.	0.8	6
17	Error Estimation of Polynomial Chaos Approximations in Transient Structural Dynamics. International Journal of Computational Methods, 2020, 17, 2050003.	0.8	5
18	Finite element verification in the case of missing data. Finite Elements in Analysis and Design, 2013, 64, 90-96.	1.7	4

#	Article	IF	Citations
19	Enhanced goal‐oriented error assessment and computational strategies in adaptive reduced basis solver for stochastic problems. International Journal for Numerical Methods in Engineering, 2017, 110, 440-466.	1.5	4
20	Étude de la qualité locale de différentes versions de l'estimateur d'erreur en relation de comportement. Revue Europeenne Des Elements, 2003, 12, 761-783.	0.1	3
21	Identification in transient dynamics using a geometry-based cost function in Finite Element Model Updating method. Finite Elements in Analysis and Design, 2016, 122, 49-60.	1.7	3
22	Une approche en dissipation pour l'identification de propriétés matériaux hétérogènes à partir de mesures de champs. Materiaux Et Techniques, 2012, 100, 665-670.	0.3	3
23	Domain decomposition based finite element verification in linear framework. Finite Elements in Analysis and Design, 2014, 88, 90-96.	1.7	1
24	Adaptive reduced basis strategy dedicated to the solution of nonstationary stochastic thermal problems. Computers and Structures, 2017, 182, 491-503.	2.4	1
25	Distributed and coupled electrothermal model of power semiconductor devices. , 2012, , .		0
26	Robust method for identifying material parameters based on virtual fields in elastodynamics. Computers and Mathematics With Applications, 2019, 77, 3021-3042.	1.4	0
27	A simple 3D local error estimator for stresses. , 2003, , 1933-1935.		0
28	Modelling of Abdominal Wall Under Uncertainty of Material Properties. Lecture Notes in Computational Vision and Biomechanics, 2020, , 305-316.	0.5	0