

Mathilde Chevreuil

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

245
citations

1162889

8
h-index

1372474

10
g-index

15
all docs

15
docs citations

15
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	A Least-Squares Method for Sparse Low Rank Approximation of Multivariate Functions. SIAM-ASA Journal on Uncertainty Quantification, 2015, 3, 897-921.	1.1	58
2	Model order reduction based on proper generalized decomposition for the propagation of uncertainties in structural dynamics. International Journal for Numerical Methods in Engineering, 2012, 89, 241-268.	1.5	49
3	A multiscale method with patch for the solution of stochastic partial differential equations with localized uncertainties. Computer Methods in Applied Mechanics and Engineering, 2013, 255, 255-274.	3.4	35
4	Fictitious domain method and separated representations for the solution of boundary value problems on uncertain parameterized domains. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 3066-3082.	3.4	24
5	A new computational method for transient dynamics including the low- and the medium-frequency ranges. International Journal for Numerical Methods in Engineering, 2005, 64, 503-527.	1.5	22
6	Measurements and statistical analysis of fillet weld geometrical parameters for probabilistic modelling of the fatigue capacity. Marine Structures, 2013, 34, 226-248.	1.6	15
7	Monitoring of a Reinforced Concrete Wharf Using Structural Health Monitoring System and Material Testing. Journal of Marine Science and Engineering, 2019, 7, 84.	1.2	12
8	Transient analysis including the low- and the medium-frequency ranges of engineering structures. Computers and Structures, 2007, 85, 1431-1444.	2.4	11
9	Partial safety factor calibration from stochastic finite element computation of welded joint with random geometries. Reliability Engineering and System Safety, 2016, 155, 44-54.	5.1	7
10	Prediction of apparent properties with uncertain material parameters using high-order fictitious domain methods and PGD model reduction. International Journal for Numerical Methods in Engineering, 2017, 109, 345-367.	1.5	5
11	Une strat�gie de calcul en dynamique transitoire recouvrant les basses et moyennes fr�quences. European Journal of Computational Mechanics, 2006, 15, 119-130.	0.6	0
12	Multiscale Model Reduction for the Solution of Stochastic Partial Differential Equations With Localized Sources of Uncertainties. , 2012, , .		0
13	A Regression Based Non-Intrusive Method Using Separated Representation for Uncertainty Quantification. , 2012, , .		0
14	A generalized Fourier transform by means of change of variables within multilinear approximation. Advanced Modeling and Simulation in Engineering Sciences, 2021, 8, .	0.7	0