

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