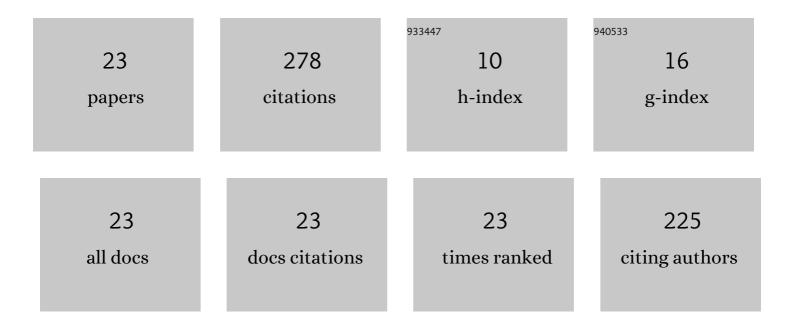
## Fabien Casenave

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Uncertainty quantification for industrial numerical simulation using dictionaries of reduced order models. Mechanics and Industry, 2022, 23, 3.	1.3	5
2	An updated Gappy-POD to capture non-parameterized geometrical variation in fluid dynamics problems. Advanced Modeling and Simulation in Engineering Sciences, 2022, 9, .	1.7	2
3	Physics-informed cluster analysis and a priori efficiency criterion for the construction of local reduced-order bases. Journal of Computational Physics, 2022, 458, 111120.	3.8	9
4	Data Augmentation and Feature Selection for Automatic Model Recommendation in Computational Physics. Mathematical and Computational Applications, 2021, 26, 17.	1.3	6
5	Data-Targeted Prior Distribution for Variational AutoEncoder. Fluids, 2021, 6, 343.	1.7	5
6	A nonintrusive distributed reducedâ€order modeling framework for nonlinear structural mechanics—Application to elastoviscoplastic computations. International Journal for Numerical Methods in Engineering, 2020, 121, 32-53.	2.8	22
7	Model order reduction assisted by deep neural networks (ROM-net). Advanced Modeling and Simulation in Engineering Sciences, 2020, 7, .	1.7	42
8	Deep Convolutional Generative Adversarial Networks Applied to 2D Incompressible and Unsteady Fluid Flows. Advances in Intelligent Systems and Computing, 2020, , 264-276.	0.6	2
9	A nonintrusive reduced order model for nonlinear transient thermal problems with nonparametrized variability. Advanced Modeling and Simulation in Engineering Sciences, 2020, 7, .	1.7	6
10	Reduced Order Modeling Assisted by Convolutional Neural Network for Thermal Problems with Nonparametrized Geometrical Variability. Advances in Intelligent Systems and Computing, 2020, , 245-263.	0.6	0
11	Nonintrusive approximation of parametrized limits of matrix power algorithms – application to matrix inverses and log-determinants. ESAIM: Mathematical Modelling and Numerical Analysis, 2019, 53, 219-248.	1.9	0
12	Time Stable Reduced Order Modeling by an Enhanced Reduced Order Basis of the Turbulent and Incompressible 3D Navier–Stokes Equations. Mathematical and Computational Applications, 2019, 24, 45.	1.3	13
13	An Error Indicator-Based Adaptive Reduced Order Model for Nonlinear Structural Mechanics—Application to High-Pressure Turbine Blades. Mathematical and Computational Applications, 2019, 24, 41.	1.3	4
14	A catching-up algorithm for multibody dynamics with impacts and dry friction. Computer Methods in Applied Mechanics and Engineering, 2018, 334, 208-237.	6.6	8
15	Fast computation of general forward gravitation problems. Journal of Geodesy, 2016, 90, 655-675.	3.6	16
16	Direct measurement of evapotranspiration from a forest using a superconducting gravimeter. Geophysical Research Letters, 2016, 43, 10,225.	4.0	20
17	Variants of the Empirical Interpolation Method: Symmetric formulation, choice of norms and rectangular extension. Applied Mathematics Letters, 2016, 56, 23-28.	2.7	3
18	Boundary element and finite element coupling for aeroacoustics simulations. Journal of Computational Physics, 2015, 294, 274-296.	3.8	20

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#	Article	IF	CITATIONS
19	A nonintrusive reduced basis method applied to aeroacoustic simulations. Advances in Computational Mathematics, 2015, 41, 961-986.	1.6	32
20	Accurate and online-efficient evaluation of the <i>a posteriori</i> error bound in the reduced basis method. ESAIM: Mathematical Modelling and Numerical Analysis, 2014, 48, 207-229.	1.9	21
21	Coupled BEM–FEM for the convected Helmholtz equation with non-uniform flow in a bounded domain. Journal of Computational Physics, 2014, 257, 627-644.	3.8	28
22	Accurate a posteriori error evaluation in the reduced basis method. Comptes Rendus Mathematique, 2012, 350, 539-542.	0.3	13
23	A multiscale problem in thermal science. ESAIM: Proceedings and Surveys, 2012, 38, 202-219.	0.4	1