

Fabien Casenave

List of Publications by Year in descending order

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23
papers

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933447

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docs citations

23
times ranked

225
citing authors

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

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