

Jean-Baptiste Chapelier

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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1307366

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24
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24
docs citations

24
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of a high-order discontinuous Galerkin method for the DNS of turbulent flows. Computers and Fluids, 2014, 95, 210-226.	1.3	62
2	Development of a multiscale LES model in the context of a modal discontinuous Galerkin method. Computer Methods in Applied Mechanics and Engineering, 2016, 307, 275-299.	3.4	33
3	Numerical Investigation of Second-Mode Attenuation over Carbon/Carbon Porous Surfaces. Journal of Spacecraft and Rockets, 2019, 56, 319-332.	1.3	33
4	A spectral-element dynamic model for the Large-Eddy simulation of turbulent flows. Journal of Computational Physics, 2016, 321, 279-302.	1.9	25
5	A study on the numerical dissipation of the Spectral Difference method for freely decaying and wall-bounded turbulence. Computers and Fluids, 2016, 139, 261-280.	1.3	22
6	Inviscid and Viscous Simulations of the Taylor-Green Vortex Flow Using a Modal Discontinuous Galerkin Approach. , 2012, , .		18
7	A Coherent vorticity preserving eddy-viscosity correction for Large-Eddy Simulation. Journal of Computational Physics, 2018, 359, 164-182.	1.9	18
8	Direct numerical and large-eddy simulation of trefoil knotted vortices. Journal of Fluid Mechanics, 2021, 910, .	1.4	12
9	Evaluation of the Spectral Element Dynamic Model for Large-Eddy Simulation on Unstructured, Deformed Meshes. Flow, Turbulence and Combustion, 2018, 101, 271-294.	1.4	7
10	Large-eddy simulation of temporally developing double helical vortices. Journal of Fluid Mechanics, 2019, 863, 79-113.	1.4	6
11	Turbulent Flow Simulations with the High-Order DG Solver Aghora. , 2015, , .		5
12	Study of the Spectral Difference Numerical Dissipation for Turbulent Flows Using Unstructured Grids. Flow, Turbulence and Combustion, 2017, 99, 643-664.	1.4	4
13	Numerical Investigation of Second Mode Attenuation over Carbon/Carbon Surfaces on a Sharp Slender Cone. , 2018, , .		3
14	hp -adaptive hybrid RANS/LES simulations for unstructured meshes with the discontinuous Galerkin method. , 2022, , .		2
15	Optimal high-order Spectral Difference schemes for the computation of aeroacoustics and turbulence. , 2017, , .		1
16	Development of adaptive subgrid scale models based on a large-scale vorticity sensor. , 2017, , .		1
17	Coherent-vorticity Preserving Large-Eddy Simulation of trefoil knotted vortices. , 2018, , .		1
18	Assessment of spurious numerical oscillations in high-order spectral difference solvers for supercritical flows. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Video: Coherent-vorticity Preserving (CvP) Large-Eddy Simulation (LES) of Knotted Vortices. , 0, , .		1
20	Coherent-vorticity Preserving Large-Eddy Simulation of vortex rings under large perturbations. , 2018, , .		0
21	Large-Eddy Simulation of the mutual induction dynamics of double helical vortices. , 2018, , .		0
22	Development of an Explicitly Filtered Large-Eddy Simulation Framework for the Coherent-vorticity Preserving (CvP) Eddy Viscosity Correction. , 2021, , .		0
23	Mitigation of post-shock oscillations induced by artificial viscosity in discontinuous finite element methods. Computers and Fluids, 2022, 241, 105491.	1.3	0