

Rodrigo Costa Moura

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

515
citations

1040056

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1058476

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docs citations

15
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear dispersionâ€™diffusion analysis and its application to under-resolved turbulence simulations using discontinuous Galerkin spectral/hp methods. <i>Journal of Computational Physics</i> , 2015, 298, 695-710.	3.8	117
2	On the eddy-resolving capability of high-order discontinuous Galerkin approaches to implicit LES / under-resolved DNS of Euler turbulence. <i>Journal of Computational Physics</i> , 2017, 330, 615-623.	3.8	105
3	A comparative study on polynomial dealiasing and split form discontinuous Galerkin schemes for under-resolved turbulence computations. <i>Journal of Computational Physics</i> , 2018, 372, 1-21.	3.8	69
4	Eigensolution analysis of spectral/hp continuous Galerkin approximations to advectionâ€™diffusion problems: Insights into spectral vanishing viscosity. <i>Journal of Computational Physics</i> , 2016, 307, 401-422.	3.8	53
5	Spatial eigensolution analysis of discontinuous Galerkin schemes with practical insights for under-resolved computations and implicit LES. <i>Computers and Fluids</i> , 2018, 169, 349-364.	2.5	39
6	Spatial eigensolution analysis of energy-stable flux reconstruction schemes and influence of the numerical flux on accuracy and robustness. <i>Journal of Computational Physics</i> , 2018, 358, 1-20.	3.8	35
7	Non-modal analysis of spectral element methods: Towards accurate and robust large-eddy simulations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 346, 43-62.	6.6	29
8	Spatial eigenanalysis of spectral/hp continuous Galerkin schemes and their stabilisation via DG-mimicking spectral vanishing viscosity for high Reynolds number flows. <i>Journal of Computational Physics</i> , 2020, 406, 109112.	3.8	22
9	Industry-Relevant Implicit Large-Eddy Simulation of a High-Performance Road Car via Spectral/hp Element Methods. <i>SIAM Review</i> , 2021, 63, 723-755.	9.5	18
10	Higher-order surface treatment for discontinuous Galerkin methods with applications to aerodynamics. <i>International Journal for Numerical Methods in Fluids</i> , 2015, 79, 323-342.	1.6	8
11	An LES Setting for DG-Based Implicit LES with Insights on Dissipation and Robustness. <i>Lecture Notes in Computational Science and Engineering</i> , 2017, , 161-173.	0.3	7
12	Lyapunov exponents and adaptive mesh refinement for high-speed flows using a discontinuous Galerkin scheme. <i>Journal of Computational Physics</i> , 2016, 319, 9-27.	3.8	5
13	Modified Equation Analysis for the Discontinuous Galerkin Formulation. <i>Lecture Notes in Computational Science and Engineering</i> , 2015, , 375-383.	0.3	4