

Juan Manzanero

List of Publications by Year in descending order

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16
papers

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59
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Design of a Smagorinsky spectral Vanishing Viscosity turbulence model for discontinuous Galerkin methods. <i>Computers and Fluids</i> , 2020, 200, 104440. | 2.5 | 30 |
| 2 | A p-multigrid strategy with anisotropic p-adaptation based on truncation errors for high-order discontinuous Galerkin methods. <i>Journal of Computational Physics</i> , 2019, 378, 209-233. | 3.8 | 28 |
| 3 | Dispersion-Dissipation Analysis for Advection Problems with Nonconstant Coefficients: Applications to Discontinuous Galerkin Formulations. <i>SIAM Journal of Scientific Computing</i> , 2018, 40, A747-A768. | 2.8 | 24 |
| 4 | The Bassi Rebay 1 scheme is a special case of the Symmetric Interior Penalty formulation for discontinuous Galerkin discretisations with Gauss-Lobatto points. <i>Journal of Computational Physics</i> , 2018, 363, 1-10. | 3.8 | 19 |
| 5 | Insights on Aliasing Driven Instabilities for Advection Equations with Application to Gauss-Lobatto Discontinuous Galerkin Methods. <i>Journal of Scientific Computing</i> , 2018, 75, 1262-1281. | 2.3 | 19 |
| 6 | A free-energy stable nodal discontinuous Galerkin approximation with summation-by-parts property for the Cahn-Hilliard equation. <i>Journal of Computational Physics</i> , 2020, 403, 109072. | 3.8 | 16 |
| 7 | Entropy-stable discontinuous Galerkin approximation with summation-by-parts property for the incompressible Navier-Stokes/Cahn-Hilliard system. <i>Journal of Computational Physics</i> , 2020, 408, 109363. | 3.8 | 15 |
| 8 | An entropy-stable discontinuous Galerkin approximation for the incompressible Navier-Stokes equations with variable density and artificial compressibility. <i>Journal of Computational Physics</i> , 2020, 408, 109241. | 3.8 | 13 |
| 9 | Application of approximate dispersion-diffusion analyses to under-resolved Burgers turbulence using high resolution WENO and UWC schemes. <i>Journal of Computational Physics</i> , 2021, 435, 110246. | 3.8 | 8 |
| 10 | A free-energy stable adaptive nodal discontinuous Galerkin for the Cahn-Hilliard equation. <i>Journal of Computational Physics</i> , 2021, 442, 110409. | 3.8 | 6 |
| 11 | An entropy-stable discontinuous Galerkin approximation of the Spalart-Allmaras turbulence model for the compressible Reynolds Averaged Navier-Stokes equations. <i>Journal of Computational Physics</i> , 2022, 455, 110998. | 3.8 | 5 |
| 12 | An entropy-stable adaptive nodal discontinuous Galerkin for the coupled Navier-Stokes/Cahn-Hilliard system. <i>Journal of Computational Physics</i> , 2022, 458, 111093. | 3.8 | 3 |
| 13 | A discontinuous Galerkin approximation for a wall-bounded consistent three-component Cahn-Hilliard flow model. <i>Computers and Fluids</i> , 2021, 225, 104971. | 2.5 | 2 |
| 14 | Implicit Large Eddy Simulations for NACA0012 Airfoils Using Compressible and Incompressible Discontinuous Galerkin Solvers. <i>Lecture Notes in Computational Science and Engineering</i> , 2020, , 477-487. | 0.3 | 2 |
| 15 | CFD-based erosion and corrosion modeling in pipelines using a high-order discontinuous Galerkin multiphase solver. <i>Wear</i> , 2021, 478-479, 203882. | 3.1 | 1 |
| 16 | High-order discontinuous Galerkin approximation for a three-phase incompressible Navier-Stokes/Cahn-Hilliard model. <i>Computers and Fluids</i> , 2022, , 105545. | 2.5 | 0 |