

# Juan Manzanero

## List of Publications by Year in descending order

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16  
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	Design of a Smagorinsky spectral Vanishing Viscosity turbulence model for discontinuous Galerkin methods. <i>Computers and Fluids</i> , 2020, 200, 104440.	2.5	30
11	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
12	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
13	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
14	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
15	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
16	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