Richard Pasquetti

List of Publications by Year
in descending order

29 papers	779 citations	759233 12 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	581 citing authors

#	Article	IF	Citations
1	Entropy viscosity method for nonlinear conservation laws. Journal of Computational Physics, 2011, 230, 4248-4267.	3.8	259
2	On simulating the turbulent flow around the Ahmed body: A French–German collaborative evaluation of LES and DES. Computers and Fluids, 2013, 78, 10-23.	2.5	87
3	Spectral element methods on triangles and quadrilaterals: comparisons and applications. Journal of Computational Physics, 2004, 198, 349-362.	3.8	72
4	Spectral Vanishing Viscosity Method for Large-Eddy Simulation of Turbulent Flows. Journal of Scientific Computing, 2006, 27, 365-375.	2.3	55
5	Entropy-based nonlinear viscosity for Fourier approximations of conservation laws. Comptes Rendus Mathematique, 2008, 346, 801-806.	0.3	51
6	Spectral Element Methods on Unstructured Meshes: Comparisons and Recent Advances. Journal of Scientific Computing, 2006, 27, 377-387.	2.3	46
7	Stabilized spectral element computations of high Reynolds number incompressible flows. Journal of Computational Physics, 2004, 196, 680-704.	3.8	43
8	A correction technique for the dispersive effects of mass lumping for transport problems. Computer Methods in Applied Mechanics and Engineering, 2013, 253, 186-198.	6.6	36
9	Spectral element methods on unstructured meshes: which interpolation points?. Numerical Algorithms, 2010, 55, 349-366.	1.9	19
10	Influence of confinement on a two-dimensional wake. Journal of Fluid Mechanics, 2011, 688, 297-320.	3.4	19
11	A penalty model of synthetic micro-jet actuator with application to the control of wake flows. Computers and Fluids, 2015, 114, 203-217.	2.5	17
12	On the efficiency of semi-implicit and semi-Lagrangian spectral methods for the calculation of incompressible flows. International Journal for Numerical Methods in Fluids, 2001, 35, 319-340.	1.6	15
13	High-order LES modeling of turbulent incompressible flow. Comptes Rendus - Mecanique, 2005, 333, 39-49.	2.1	8
14	Comparison of some isoparametric mappings for curved triangular spectral elements. Journal of Computational Physics, 2016, 316, 573-577.	3.8	8
15	Neumann–Neumann–Schur complement methods for Fekete spectral elements. Journal of Engineering Mathematics, 2007, 56, 323-335.	1.2	6
16	Influence of confinement on obstacle-free turbulent wakes. Computers and Fluids, 2012, 58, 27-44.	2.5	6
17	Fekete-Gauss Spectral Elements for Incompressible Navier-Stokes Flows: The Two-Dimensional Case. Communications in Computational Physics, 2013, 13, 1309-1329.	1.7	6
18	High-order LES of the flow over a simplified car model. European Journal of Computational Mechanics, 2009, 18, 627-646.	0.6	5

#	Article	IF	Citations
19	High Order $$C^0$$ C 0 -Continuous Galerkin Schemes for High Order PDEs, Conservation of Quadratic Invariants and Application to the Korteweg-de Vries Model. Journal of Scientific Computing, 2018, 74, 491-518.	2.3	5
20	Overlapping Schwarz Preconditioners for Fekete Spectral Elements. Lecture Notes in Computational Science and Engineering, 2007, , 715-722.	0.3	5
21	Cubature versus Fekete–Gauss nodes for spectral element methods on simplicial meshes. Journal of Computational Physics, 2017, 347, 463-466.	3.8	4
22	High order approximation of a tokamak edge plasma transport minimal model with Bohm boundary conditions. Journal of Computational Physics, 2015, 285, 84-87.	3.8	2
23	Spectral Element Methods on Simplicial Meshes. Lecture Notes in Computational Science and Engineering, 2014, , 37-55.	0.3	1
24	Fourier-spectral element approximation of the ion–electron Braginskii system with application to tokamak edge plasma in divertor configuration. Journal of Computational Physics, 2016, 321, 492-511.	3.8	1
25	p-Multigrid for Fekete Spectral Element Method. Lecture Notes in Computational Science and Engineering, 2008, , 485-492.	0.3	1
26	High Order CG Schemes for KdV and Saint-Venant Flows. Lecture Notes in Computational Science and Engineering, 2020, , 341-352.	0.3	1
27	High-Order Methods for Large-Eddy Simulation in Complex Geometries. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 309-334.	0.3	1
28	Large eddy simulations of confined turbulent wake flows. Journal of Physics: Conference Series, 2011, 318, 042044.	0.4	0
29	Viscous Stabilizations for High Order Approximations of Saint-Venant and Boussinesq Flows. Lecture Notes in Computational Science and Engineering, 2017, , 519-531.	0.3	0