

Carlos Henrique Marchi

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	The lid-driven square cavity flow: numerical solution with a 1024 x 1024 grid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2009, 31, .	1.6	47
2	A NONORTHOGONAL FINITE-VOLUME METHOD FOR THE SOLUTION OF ALL SPEED FLOWS USING CO-LOCATED VARIABLES. Numerical Heat Transfer, Part B: Fundamentals, 1994, 26, 293-311.	0.9	40
3	NUMERICAL SOLUTIONS OF FLOWS IN ROCKET ENGINES WITH REGENERATIVE COOLING. Numerical Heat Transfer; Part A: Applications, 2004, 45, 699-717.	2.1	35
4	UNIDIMENSIONAL NUMERICAL SOLUTION ERROR ESTIMATION FOR CONVERGENT APPARENT ORDER. Numerical Heat Transfer, Part B: Fundamentals, 2002, 42, 167-188.	0.9	33
5	Multi-dimensional discretization error estimation for convergent apparent order. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2005, 27, 432-439.	1.6	19
6	Highly accurate numerical solutions with repeated Richardson extrapolation for 2D laplace equation. Applied Mathematical Modelling, 2013, 37, 7386-7397.	4.2	18
7	Polynomial interpolation with repeated Richardson extrapolation to reduce discretization error in CFD. Applied Mathematical Modelling, 2016, 40, 8872-8885.	4.2	14
8	Code Validation for High-speed Flow Simulation Over Satellite Launch Vehicle. Journal of Spacecraft and Rockets, 1996, 33, 15-21.	1.9	13
9	Optimized partial semicoarsening multigrid algorithm for heat diffusion problems and anisotropic grids. Applied Mathematical Modelling, 2012, 36, 4665-4676.	4.2	11
10	Analysis of algebraic multigrid parameters for two-dimensional steady-state heat diffusion equations. Applied Mathematical Modelling, 2012, 36, 2996-3006.	4.2	9
11	Repeated Richardson extrapolation applied to the two-dimensional Laplace equation using triangular and square grids. Applied Mathematical Modelling, 2013, 37, 4661-4675.	4.2	9
12	Performance of geometric multigrid method for coupled two-dimensional systems in CFD. Applied Mathematical Modelling, 2015, 39, 2602-2616.	4.2	9
13	Robust RRE technique for increasing the order of accuracy of SPH numerical solutions. Mathematics and Computers in Simulation, 2022, 199, 231-252.	4.4	7
14	Numerical solution of staggered circular tubes in two-dimensional laminar forced convection. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2007, 29, .	1.6	6
15	Repeated Richardson extrapolation to reduce the field discretization error in computational fluid dynamics. Numerical Heat Transfer, Part B: Fundamentals, 2016, 70, 340-353.	0.9	5
16	Burning Rate Measurement of KNSu Propellant Obtained by Mechanical Press. Journal of Aerospace Technology and Management, 2015, 7, 193-199.	0.3	4
17	Estimate of Iteration Errors in Computational Fluid Dynamics. Numerical Heat Transfer, Part B: Fundamentals, 2008, 53, 234-245.	0.9	3
18	Verification and validation of the foredrag coefficient for supersonic and hypersonic flow of air over a cone of fineness ratio 3. Applied Mathematical Modelling, 2017, 44, 409-424.	4.2	3

#	ARTICLE	IF	CITATIONS
19	Verification of numerical solutions for reactive flows in a regeneratively cooled nozzle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2010, 32, 267-275.	1.6	2
20	Evaluation of Chemical Equilibrium and Non-Equilibrium Properties for LOX/LH2 Reaction Schemes. Journal of Aerospace Technology and Management, 2015, 7, 31-42.	0.3	2
21	Verification and validation of numerical solutions of two-dimensional reactive flow in rocket engine nozzles. Applied Mathematical Modelling, 2017, 52, 544-557.	4.2	1
22	Completed repeated Richardson extrapolation for compressible fluid flows. Applied Mathematical Modelling, 2020, 77, 724-737.	4.2	1
23	Effect of Convergent Section Contour on the Sonic Line in Rocket Engine Nozzles. Journal of Aerospace Technology and Management, 0, 10, .	0.3	0
24	Lid-Driven Square Cavity Flow: A Benchmark Solution With an 8192x8192 Grid. Journal of Verification, Validation and Uncertainty Quantification, 2021, 6, .	0.4	0
25	Movimento Vertical de Minifoguetes: Equações de Trajetórias e Análises Gráficas. Revista Brasileira De Ensino De Física, 0, 43, .	0.2	0
26	Theoretical and Experimental Heat Transfer in Solid Propellant Rocket Engine. Journal of Aerospace Technology and Management, 0, , .	0.3	0
27	Minifoguetes a propelente sólido: aspectos teóricos e propostas experimentais para o ensino de física. Revista Brasileira De Ensino De Física, 0, 42, .	0.2	0
28	DEPP - Differential Evolution Parallel Program. Journal of Open Source Software, 2020, 5, 1701.	4.6	0
29	Cold-Crafted KNSu Mechanically Pressed Burning Rate for Combustion Pressure Ranging from 0.9 to 7.7 bar. Combustion Science and Technology, 0, , 1-13.	2.3	0