A J Baker

List of Publications by Year
in descending order

14 papers	275 citations	1684188 5 h-index	1372567 10 g-index
15 all docs	15 docs citations	15 times ranked	141 citing authors

#	Article	IF	Citations
1	On mathematics of physics of fluids maturation. Physics of Fluids, 2021, 33, 081301.	4.0	3
2	Analytical $O(h^2)$ CFD error annihilation theory: FREE $O(h^4)$ upgrade for second-order numerics codes. Numerical Heat Transfer, Part B: Fundamentals, 2017, 71, 397-424.	0.9	0
3	Totally analytical closure of space filtered Navier–Stokes for arbitrary Reynolds number: Part III. a FNS theory validation. Numerical Heat Transfer, Part B: Fundamentals, 2016, 70, 297-321.	0.9	0
4	Totally analytical closure of space filtered Navier–Stokes for arbitrary Reynolds number: Part I. Theory, resolutions. Numerical Heat Transfer, Part B: Fundamentals, 2016, 70, 267-283.	0.9	3
5	Totally analytical closure of space filtered Navier–Stokes for arbitrary Reynolds number: Part II. Resolution algorithms, validations. Numerical Heat Transfer, Part B: Fundamentals, 2016, 70, 284-296.	0.9	0
6	A modified conservation principles theory leading to an optimal Galerkin CFD algorithm. International Journal for Numerical Methods in Fluids, 2007, 55, 737-783.	1.6	4
7	Numerical simulations of laminar flow over a 3D backward-facing step. International Journal for Numerical Methods in Fluids, 1997, 24, 1159-1183.	1.6	114
8	Numerical simulations of laminar flow over a 3D backward-facing step. , 1997, 24, 1159.		2
9	INCOMPRESSIBLE COMPUTATIONAL FLUID DYNAMICS AND THE CONTINUITY CONSTRAINT METHOD FOR THE THREE-DIMENSIONAL NAVIER-STOKES EQUATIONS. Numerical Heat Transfer, Part B: Fundamentals, 1996, 29, 137-273.	0.9	33
10	On Taylor weak statement finite element methods for computational fluid dynamics. International Journal for Numerical Methods in Fluids, 1995, 21, 273-294.	1.6	17
11	Accuracy and Efficiency Assessments for a Weak Statement CFD Algorithm for High-Speed Aerodynamics. Journal of Engineering for Gas Turbines and Power, 1994, 116, 468-473.	1.1	1
12	ACCURACY AND STABILITY OF A FINITE ELEMENT PSEUDO-COMPRESSIBILITY CFD ALGORITHM FOR INCOMPRESSIBLE THERMAL FLOWS. Numerical Heat Transfer, Part B: Fundamentals, 1991, 20, 1-23.	0.9	4
13	A taylor weak-statement algorithm for hyperbolic conservation laws. International Journal for Numerical Methods in Fluids, 1987, 7, 489-520.	1.6	69
14	On a finite element CFD algorithm for compressible, viscous and turbulent aerodynamic flows. International Journal for Numerical Methods in Fluids, 1987, 7, 1235-1259.	1.6	10