

# A J Baker

## List of Publications by Year in descending order

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14  
papers

275  
citations

1684188

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1372567

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15  
all docs

15  
docs citations

15  
times ranked

141  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Taylor weak-statement algorithm for hyperbolic conservation laws. International Journal for Numerical Methods in Fluids, 1987, 7, 489-520.	1.6	69
3	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
4	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
5	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
6	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
7	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
8	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
9	On mathematics of physics of fluids maturation. Physics of Fluids, 2021, 33, 081301.	4.0	3
10	Numerical simulations of laminar flow over a 3D backward-facing step. , 1997, 24, 1159.		2
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	Totally analytical closure of space filtered Navier-Stokes for arbitrary Reynolds number: Part III. FNS theory validation. Numerical Heat Transfer, Part B: Fundamentals, 2016, 70, 297-321.	0.9	0
13	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
14	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