

# Erik Dick

## List of Publications by Year in descending order

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170  
papers

2,758  
citations

159585

30  
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233421

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173  
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173  
docs citations

173  
times ranked

1451  
citing authors

#	ARTICLE	IF	CITATIONS
1	MODELLING OF BYPASS TRANSITION WITH CONDITIONED NAVIER-STOKES EQUATIONS COUPLED TO AN INTERMITTENCY TRANSPORT EQUATION. International Journal for Numerical Methods in Fluids, 1996, 23, 193-220.	1.6	130
2	Modeling of Laminar-Turbulent Transition for High Freestream Turbulence. Journal of Fluids Engineering, Transactions of the ASME, 2001, 123, 22-30.	1.5	106
3	Computer Simulation of Intraventricular Flow and Pressure Gradients During Diastole. Journal of Biomechanical Engineering, 2000, 122, 667-674.	1.3	97
4	Modelling of Natural Convection Flows with Large Temperature Differences: A Benchmark Problem for Low Mach Number Solvers. Part 1. Reference Solutions. ESAIM: Mathematical Modelling and Numerical Analysis, 2005, 39, 609-616.	1.9	89
5	On the performance of relaxation filtering for large-eddy simulation. Journal of Turbulence, 2013, 14, 22-49.	1.4	76
6	A Multigrid Semi-implicit Line-Method for Viscous Incompressible and Low-Mach-Number Flows on High Aspect Ratio Grids. Journal of Computational Physics, 1999, 154, 310-341.	3.8	71
7	Raising cycle efficiency by intercooling in air-cooled gas turbines. Applied Thermal Engineering, 2006, 26, 1780-1787.	6.0	71
8	Transition Models for Turbomachinery Boundary Layer Flows: A Review. International Journal of Turbomachinery, Propulsion and Power, 2017, 2, 4.	1.1	62
9	Three-dimensional flow patterns in cracking furnaces with long-flame burners. AIChE Journal, 2001, 47, 388-400.	3.6	55
10	Computational Treatment of Source Terms in Two-Equation Turbulence Models. AIAA Journal, 2000, 38, 2085-2093.	2.6	54
11	Numerical study of natural convective heat transfer with large temperature differences. International Journal of Numerical Methods for Heat and Fluid Flow, 2001, 11, 329-341.	2.8	54
12	Benchmark solutions for the natural convective heat transfer problem in a square cavity with large horizontal temperature differences. International Journal of Numerical Methods for Heat and Fluid Flow, 2003, 13, 1057-1078.	2.8	53
13	Simulation of plane impinging jets with $k-\epsilon$ based hybrid RANS/LES models. International Journal of Heat and Fluid Flow, 2010, 31, 862-878.	2.4	52
14	Technological and economical analysis of water recovery in steam injected gas turbines. Applied Thermal Engineering, 2001, 21, 135-156.	6.0	50
15	Heat transfer predictions with a cubic $k-\epsilon$ model for axisymmetric turbulent jets impinging onto a flat plate. International Journal of Heat and Mass Transfer, 2003, 46, 469-480.	4.8	49
16	An algebraic model for bypass transition in turbomachinery boundary layer flows. International Journal of Heat and Fluid Flow, 2016, 58, 68-83.	2.4	49
17	Modelling of Natural Convection Flows with Large Temperature Differences: A Benchmark Problem for Low Mach Number Solvers. Part 2. Contributions to the June 2004 conference. ESAIM: Mathematical Modelling and Numerical Analysis, 2005, 39, 617-621.	1.9	44
18	Flow simulations in rotary volumetric pumps and compressors with the fictitious domain method. Journal of Computational and Applied Mathematics, 2004, 168, 491-499.	2.0	43

#	ARTICLE	IF	CITATIONS
19	Analysis and Stabilization of Fluid-Structure Interaction Algorithm for Rigid-Body Motion. AIAA Journal, 2005, 43, 2549-2557.	2.6	43
20	Application of a new cubic turbulence model to piloted and bluff-body diffusion flames. Combustion and Flame, 2001, 126, 1533-1556.	5.2	41
21	A multigrid method for steady incompressible navier-stokes equations based on flux difference splitting. International Journal for Numerical Methods in Fluids, 1992, 14, 1311-1323.	1.6	40
22	Hydrodynamics of color M-mode Doppler flow wave propagation velocity $V(p)$ : A computer study. Journal of the American Society of Echocardiography, 2002, 15, 219-224.	2.8	40
23	Cycle improvements to steam injected gas turbines. International Journal of Energy Research, 2000, 24, 1081-1107.	4.5	39
24	An algebraic intermittency model for bypass, separation-induced and wake-induced transition. International Journal of Heat and Fluid Flow, 2016, 62, 344-361.	2.4	39
25	Modelling of Unsteady Transition in Low-Pressure Turbine Blade Flows with Two Dynamic Intermittency Equations. Flow, Turbulence and Combustion, 2006, 76, 103-132.	2.6	37
26	An arbitrary Lagrangian-Eulerian finite-volume method for the simulation of rotary displacement pump flow. Applied Numerical Mathematics, 2000, 32, 419-433.	2.1	36
27	Hybrid RANS/LES of flow and heat transfer in round impinging jets. International Journal of Heat and Fluid Flow, 2011, 32, 631-651.	2.4	35
28	Accurate Petrov-Galerkin methods for transient convective diffusion problems. International Journal for Numerical Methods in Engineering, 1983, 19, 1425-1433.	2.8	33
29	CFD simulation of dilute phase gas-solid riser reactors: Part I—a new solution method and flow model validation. Chemical Engineering Science, 2004, 59, 167-186.	3.8	33
30	Development of a Laplacian-based mesh generator for ALE calculations in rotary volumetric pumps and compressors. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 4401-4415.	6.6	30
31	Mach-uniformity through the coupled pressure and temperature correction algorithm. Journal of Computational Physics, 2005, 206, 597-623.	3.8	30
32	Construction of explicit and implicit dynamic finite difference schemes and application to the large-eddy simulation of the Taylor-Green vortex. Journal of Computational Physics, 2009, 228, 8053-8084.	3.8	30
33	A flux-difference splitting method for steady euler equations. Journal of Computational Physics, 1988, 76, 19-32.	3.8	29
34	Study of the optimal layout of cooling fins in forced convection cooling. Microelectronics Reliability, 2002, 42, 1101-1111.	1.7	29
35	Prediction of the pressure distribution on a cubical building with implicit LES. Journal of Wind Engineering and Industrial Aerodynamics, 2010, 98, 628-649.	3.9	27
36	Hybrid RANS/LES computations of plane impinging jets with DES and PANS models. International Journal of Heat and Fluid Flow, 2013, 44, 596-609.	2.4	27

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37	A Three-dimensional Analysis of Flow in the Pivot Regions of an ATS Bileaflet Valve. International Journal of Artificial Organs, 1999, 22, 754-763.	1.4	26
38	An accurate data base on laminar-to-turbulent transition in variable pressure gradient flows. International Journal of Heat and Fluid Flow, 2019, 77, 84-97.	2.4	26
39	A free vortex simulation method for the straight bladed vertical axis wind turbine. Journal of Wind Engineering and Industrial Aerodynamics, 1987, 26, 307-324.	3.9	23
40	Title is missing!. Flow, Turbulence and Combustion, 2001, 66, 133-157.	2.6	22
41	Determination of $\bar{\mu}$ at inlet boundaries. International Journal of Numerical Methods for Heat and Fluid Flow, 2002, 12, 65-80.	2.8	22
42	An extension of the preconditioned advection upstream splitting method for 3D two-phase flow calculations in circulating fluidized beds. Computers and Chemical Engineering, 2002, 26, 1677-1702.	3.8	22
43	A multigrid method for natural convective heat transfer with large temperature differences. Journal of Computational and Applied Mathematics, 2004, 168, 509-517.	2.0	22
44	Multigrid formulation of polynomial flux-difference splitting for steady Euler equations. Journal of Computational Physics, 1990, 91, 161-173.	3.8	21
45	On the spectral and conservation properties of nonlinear discretization operators. Journal of Computational Physics, 2011, 230, 4488-4518.	3.8	20
46	A flux-vector splitting method for steady Navier-Stokes equations. International Journal for Numerical Methods in Fluids, 1988, 8, 317-326.	1.6	19
47	A multigrid method for steady incompressible Navier-Stokes equations based on partial flux splitting. International Journal for Numerical Methods in Fluids, 1989, 9, 113-120.	1.6	18
48	A multigrid method for the compressible Navier-Stokes equations coupled to the $k\text{-}\mu$ turbulence equations. International Journal of Numerical Methods for Heat and Fluid Flow, 1994, 4, 99-113.	2.8	18
49	Coupled solution of the steady compressible Navier-Stokes equations and the $k\text{-}\mu$ turbulence equations with a multigrid method. Applied Numerical Mathematics, 1997, 23, 49-61.	2.1	18
50	Axisymmetric Impingement Heat Transfer with a Nonlinear k-e Model. Journal of Thermophysics and Heat Transfer, 2004, 18, 100-107.	1.6	18
51	Staggered heat sinks with aerodynamic cooling fins. Microelectronics Reliability, 2004, 44, 1181-1187.	1.7	18
52	Pressure-velocity coupling allowing acoustic calculation in low Mach number flow. Journal of Computational Physics, 2012, 231, 5522-5541.	3.8	18
53	Predictive Capabilities of an Improved Cubic $k\text{-}\mu$ Model for Inert Steady Flows. Flow, Turbulence and Combustion, 2002, 68, 335-358.	2.6	17
54	Numerical simulation of heat transfer of turbulent impinging jets with two-equation turbulence models. International Journal of Numerical Methods for Heat and Fluid Flow, 2003, 13, 110-132.	2.8	17

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55	Transition modelling with the $k\text{-}\hat{\omega}$ turbulence model and an intermittency transport equation. Journal of Thermal Science, 2004, 13, 220-225.	1.9	17
56	ILES of flow over low-rise buildings: Influence of inflow conditions on the quality of the mean pressure distribution prediction. Journal of Wind Engineering and Industrial Aerodynamics, 2011, 99, 1056-1068.	3.9	17
57	Further Development of a Dynamic Intermittency Model For Wake-Induced Transition. Flow, Turbulence and Combustion, 2009, 83, 539-568.	2.6	16
58	A family of dynamic finite difference schemes for large-eddy simulation. Journal of Computational Physics, 2009, 228, 1830-1861.	3.8	16
59	Analysis of Robust Multigrid Methods for Steady Viscous Low Mach Number Flows. Journal of Computational Physics, 1997, 136, 603-628.	3.8	14
60	Left-ventricular pressure gradients: a computer-model simulation. Medical and Biological Engineering and Computing, 1999, 37, 511-516.	2.8	14
61	Application of an improved $\mu$ -equation to a piloted jet diffusion flame. Combustion and Flame, 2002, 131, 465-468.	5.2	14
62	An assessment of ductus venosus tapering and wave transmission from the fetal heart. Biomechanics and Modeling in Mechanobiology, 2009, 8, 509-517.	2.8	14
63	Blended AUSM+ Method for All Speeds and All Grid Aspect Ratios. AIAA Journal, 2001, 39, 2278-2282.	2.6	13
64	Comparative Study of $k$ -epsilon Turbulence Models in Inert and Reacting Swirling Flows. , 2003, , .		13
65	Hybrid RANS/LES modelling with an approximate renormalization group. II: Applications. Journal of Turbulence, 2005, 6, N14.	1.4	13
66	Experimental study and modelling of anodizing of aluminium in a wall-jet electrode set-up in laminar and turbulent regime. Corrosion Science, 2009, 51, 1482-1489.	6.6	13
67	Comparison Between the Standard and Staggered Layout for Cooling Fins in Forced Convection Cooling. Journal of Electronic Packaging, Transactions of the ASME, 2003, 125, 442-446.	1.8	12
68	Transition Modelling With the SST Turbulence Model and an Intermittency Transport Equation. , 2003, , 771.		12
69	A Mach-uniform algorithm: Coupled versus segregated approach. Journal of Computational Physics, 2007, 224, 314-331.	3.8	12
70	A conservative discrete compatibility-constraint low-Mach pressure-correction algorithm for time-accurate simulations of variable density flows. Journal of Computational Physics, 2009, 228, 4714-4744.	3.8	12
71	Multigrid Methods for Steady Euler- and Navier-Stokes Equations Based on Polynomial Flux-Difference Splitting. , 1991, , 1-20.		12
72	Comparison of Algorithms for Unsteady Flow Calculations in Inlet and Exhaust Systems of IC Engines. Journal of Engineering for Gas Turbines and Power, 2000, 122, 541-548.	1.1	11

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73	Intermittency based RANS bypass transition modelling. Progress in Computational Fluid Dynamics, 2006, 6, 68.	0.2	11
74	Evaluation of an algebraic model for laminar-to-turbulent transition on secondary flow loss in a low-pressure turbine cascade with an endwall. International Journal of Heat and Fluid Flow, 2019, 77, 98-112.	2.4	11
75	One-Equation RG Hybrid RANS/LES Modelling. , 2008, , 97-106.		11
76	Second-order formulation of a multigrid method for steady Euler equations through defect-correction. Journal of Computational and Applied Mathematics, 1991, 35, 159-168.	2.0	10
77	Multi-staging of Jacobi relaxation in multigrid methods for steady Euler equations, II. Journal of Computational and Applied Mathematics, 1995, 59, 339-348.	2.0	10
78	Comparison of Two Unsteady Intermittency Models for Bypass Transition Prediction on a Turbine Blade Profile. Flow, Turbulence and Combustion, 2008, 81, 369-394.	2.6	10
79	Introduction to Finite Element Methods in Computational Fluid Dynamics. , 2009, , 235-274.		10
80	Momentum analysis of wind energy concentrator systems. Energy Conversion and Management, 1984, 24, 19-25.	9.2	9
81	MULTIGRID SOLUTION OF STEADY EULER EQUATIONS BASED ON POLYNOMIAL FLUX DIFFERENCE SPLITTING. International Journal of Numerical Methods for Heat and Fluid Flow, 1991, 1, 51-62.	2.8	9
82	A new total variation diminishing scheme for the calculation of one-dimensional flow in inlet and exhaust pipes of internal combustion engines. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 1998, 212, 437-448.	1.9	9
83	A Mach uniform pressure correction algorithm with AUSM+ flux definitions. International Journal of Numerical Methods for Heat and Fluid Flow, 2006, 16, 718-739.	2.8	9
84	Multigrid solution of the steady compressible Navier-Stokes equations coupled to the k-epsilon turbulence equations. , 1995, , .		8
85	Pressure-velocity coupling for unsteady low Mach number flow simulations: An improvement of the AUSM + -up scheme. Journal of Computational and Applied Mathematics, 2013, 246, 136-143.	2.0	8
86	An Extended Version of an Algebraic Intermittency Model for Prediction of Separation-Induced Transition at Elevated Free-Stream Turbulence Level. International Journal of Turbomachinery, Propulsion and Power, 2020, 5, 28.	1.1	8
87	Two-Dimensional Incompressible Navier-Stokes Calculations in Complex-Shaped Moving Domains. Journal of Engineering Mathematics, 1998, 34, 57-73.	1.2	7
88	Hybrid RANS/LES modelling with an approximate renormalization group. I: Model development. Journal of Turbulence, 2005, 6, N13.	1.4	7
89	One-equation RG hybrid RANS/LES computation of a turbulent impinging jet. Journal of Turbulence, 2008, 9, N16.	1.4	7
90	Convective heat transfer prediction for an axisymmetric jet impinging onto a flat plate with an improved k-epsilon model. International Journal of Numerical Methods for Heat and Fluid Flow, 2009, 19, 960-981.	2.8	7

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91	Spectral analysis of nonlinear finite difference discretizations. Journal of Computational and Applied Mathematics, 2013, 246, 113-121.	2.0	7
92	A Multigrid Flux-Difference Splitting Method for Steady Incompressible Navier-Stokes Equations. , 1990, , 99-108.		7
93	Validation of a New TVD Scheme Against Measured Pressure Waves in the Inlet and Exhaust System of a Single Cylinder Engine. Journal of Engineering for Gas Turbines and Power, 2000, 122, 533-540.	1.1	6
94	Influence of computational aspects on simulations of a turbulent jet diffusion flame. International Journal of Numerical Methods for Heat and Fluid Flow, 2003, 13, 887-898.	2.8	6
95	Application of a RG hybrid RANS/LES model to swirling confined turbulent jets. Journal of Turbulence, 2006, 7, N56.	1.4	6
96	Introduction to Finite Volume Methods in Computational Fluid Dynamics. , 2009, , 275-301.		6
97	Predictions of round impinging jet heat transfer with two hybrid RANS/LES models. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 1023-1048.	2.8	6
98	Extension of an algebraic intermittency model for better prediction of transition in separated layers under strong free-stream turbulence. International Journal of Heat and Fluid Flow, 2021, 92, 108860.	2.4	6
99	Direct investigation of the K-transport equation for a complex turbulent flow. Journal of Turbulence, 2003, 4, .	1.4	5
100	Analytical and numerical study of resolution criteria in large-eddy simulation. Physics of Fluids, 2014, 26, .	4.0	5
101	Hybrid RANS/LES of Flow in a Rib-Roughened Rotating Channel. , 2014, , .		5
102	A combined momentum-interpolation and advection upstream splitting pressure-correction algorithm for simulation of convective and acoustic transport at all levels of Mach number. Journal of Computational Physics, 2019, 384, 16-41.	3.8	5
103	Introduction to Finite Volume Techniques in Computational Fluid Dynamics. , 1992, , 261-288.		5
104	Multigrid acceleration of a flux-difference splitting method for steady Euler equations. Journal of Computational and Applied Mathematics, 1989, 28, 173-180.	2.0	4
105	Application of a Non-Linear k-epsilon Model to Axisymmetric Impingement Heat Transfer. , 2003, , .		4
106	The dynamic procedure for accuracy improvement of numerical discretizations in fluid mechanics. Journal of Computational Physics, 2007, 224, 1095-1123.	3.8	4
107	The sampling-based dynamic procedure as tool for higher-order discretization. International Journal for Numerical Methods in Fluids, 2008, 56, 1241-1247.	1.6	4
108	Solving low Mach number Riemann problems by a momentum interpolation method. Journal of Computational Physics, 2015, 298, 741-746.	3.8	4

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109	Godunov-type schemes with an inertia term for unsteady full Mach number range flow calculations. <i>Journal of Computational Physics</i> , 2015, 281, 556-590.	3.8	4
110	Simulation of the Flow in a Ribbed Rotating Duct with a Hybrid $k\text{-}\epsilon$ RANS/LES Model. <i>Flow, Turbulence and Combustion</i> , 2016, 97, 45-78.	2.6	4
111	Calculation of Transition in Adverse Pressure Gradient Flow by Conditioned Equations. , 1996, , .		4
112	MULTI-STAGE JACOBI RELAXATION IN MULTIGRID METHODS FOR THE STEADY EULER EQUATIONS. <i>International Journal of Computational Fluid Dynamics</i> , 1995, 4, 343-361.	1.2	3
113	Development and application of a new cubic low-Reynolds eddy-viscosity turbulence model. , 2001, , .		3
114	A force-based grid manipulator for ALE calculations in a lobe pump. <i>Journal of Thermal Science</i> , 2003, 12, 318-322.	1.9	3
115	Analysis and modelling of the relation between the shear rate and Reynolds stress tensors in transitional boundary layers. <i>International Journal of Heat and Fluid Flow</i> , 2020, 84, 108615.	2.4	3
116	Two-dimensional incompressible Navier-Stokes calculations in complex-shaped moving domains. , 1998, , 57-73.		3
117	Analysis of Efficiency and Water Recovery in Steam Injected Gas Turbines. , 1997, , .		3
118	Steady laminar flow over a downstream-facing step as a critical test case for the upwind Petrov-Galerkin finite element method. <i>Flow, Turbulence and Combustion</i> , 1982, 39, 321-328.	0.2	2
119	An overrelaxation method for Euler equations in steady transonic flow. <i>Journal of Computational Physics</i> , 1983, 49, 298-309.	3.8	2
120	A multigrid method for the Cauchy-Riemann equations based on flux-difference splitting and its extension to the steady Euler equations. <i>Journal of Computational and Applied Mathematics</i> , 1985, 12-13, 247-263.	2.0	2
121	Computer simulation of left ventricular filling flow: impact study on echocardiograms. , 0, , .		2
122	An Unsteady RANS Transition Model With Dynamic Description of Intermittency. , 2005, , 1057.		2
123	A pressure-correction algorithm with Mach-uniform efficiency and accuracy. <i>International Journal for Numerical Methods in Fluids</i> , 2005, 47, 1205-1211.	1.6	2
124	Impingement Heat Transfer with a Nonlinear First-Order $k\text{-}\epsilon$ Model. <i>Journal of Thermophysics and Heat Transfer</i> , 2006, 20, 144-148.	1.6	2
125	<a href="#">Convective heat transfer predictions in an axisymmetric jet impinging onto a flat plate using an improved <math>k\text{-}\epsilon</math> model</a> <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ia="http://www.elsevier.com/xml/ia/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xml:lang="en" xml:base="http://www.elsevier.com/xml/common/table/dtd" xml:space="preserve" style="font-size: 0.8em; color: #ccc;"&gt; </small>	2.0	2
126	Rhie-Chow interpolation for low Mach number flow computation allowing small time steps. <i>Springer Proceedings in Mathematics</i> , 2011, , 703-711.	0.5	2



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127	Simulation of impinging jet mass transfer at high Schmidt number with algebraic models. Progress in Computational Fluid Dynamics, 2011, 11, 30.	0.2	2
128	Semi-implicit characteristic-based boundary treatment for acoustics in low Mach number flows. Journal of Computational Physics, 2013, 255, 339-361.	3.8	2
129	RANS Modelling of Wake Induced Transition With the Dynamic Intermittency Concept. , 2006, , .		2
130	A multigrid method with unstructured adaptive grids for steady Euler equations. Journal of Computational and Applied Mathematics, 1996, 67, 73-93.	2.0	1
131	Multigrid methods for compressible Navier-Stokes equations in low-speed flows. Journal of Computational and Applied Mathematics, 1997, 82, 379-388.	2.0	1
132	Calculation of transition in turbine cascades by conditioned Navier-Stokes equations. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 1999, 213, 319-326.	1.4	1
133	Treatment of source terms and high aspect ratio meshes in turbulence modelling. , 1999, , .		1
134	A multigrid method for viscous flows for all Mach numbers and all grid aspect ratios. , 2000, , .		1
135	Application of a $k\text{-}\mu$ model to heat transfer in impinging flows. Journal of Thermal Science, 2004, 13, 62-66.	1.9	1
136	Three Mach-uniform algorithms. Journal of Computational and Applied Mathematics, 2008, 215, 521-527.	2.0	1
137	A conservative pressure-correction scheme for transient simulations of reacting flows. Journal of Computational and Applied Mathematics, 2010, 234, 2311-2318.	2.0	1
138	Non-reflective inlet conditions for the calculation of unsteady turbulent compressible flows at low Mach number. Mechanics and Industry, 2014, 15, 179-189.	1.3	1
139	Multigrid Methods for Steady Euler Equations Based on Multi-stage Jacobi Relaxation. , 1994, , 175-187.		1
140	On the Role of Numerical Dissipation in Unsteady Low Mach Number Flow Computations. , 2011, , 873-878.		1
141	Conditioned Navier-Stokes and $k\text{-}\mu$ Equations to Model Transition in Pressure Gradient Flow. , 1995, , .		1
142	Diffusion and dissipation in acoustic propagation simulation by convection-pressure split algorithms in all Mach number form. Journal of Computational Physics, 2020, 414, 109480.	3.8	1
143	A multigrid method for steady Euler equations based on polynomial flux-difference splitting. , 1989, , 225-229.		1
144	Prediction of the maximum power coefficient of a tornado-type wind-energy system. Journal of Wind Engineering and Industrial Aerodynamics, 1983, 12, 101-108.	3.9	0

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145	Elliptic solution techniques for Euler and Navier-Stokes equations in steady flow. Journal of Computational and Applied Mathematics, 1987, 20, 199-209.	2.0	0
146	Accuracy analysis of central schemes with artificial dissipation and upwind flux-difference tvd schemes for navier-stokes equations. International Journal of Numerical Methods for Heat and Fluid Flow, 1995, 5, 877-888.	2.8	0
147	Multigrid methods with line and block smoothers for compressible Navier-Stokes equations. , 1997, , 243-248.		0
148	A multigrid method for viscous incompressible and low speed compressible flows on high aspect ratio grids. , 1998, , 332-337.		0
149	The potential of non-linear turbulence models - Importance of the basic two-equation model. , 1999, , .		0
150	VLES modelling with the Renormalization Group. Journal of Thermal Science, 2003, 12, 328-331.	1.9	0
151	A Grid Manipulator for ALE Calculations in Rotary Volumetric Machines. , 2003, , .		0
152	Modelling of Unsteady Transition with a Dynamic Intermittency Equation. , 2005, , 523-532.		0
153	Thermodynamic Analysis of an Air-Cooled Gas Turbine with Intercooling. , 2006, , .		0
154	Fluid Structure Interaction for Strongly Coupled Problems Based on a Sensitivity Analysis. , 2006, , 861-862.		0
155	A dynamically optimized finite difference scheme for Large-Eddy Simulation. Journal of Computational and Applied Mathematics, 2010, 234, 2080-2088.	2.0	0
156	Hybrid RANS/LES of round impinging jets. Journal of Physics: Conference Series, 2011, 318, 042054.	0.4	0
157	Prediction of endwall losses in a low pressure turbine cascade with an algebraic intermittency model. Journal of Physics: Conference Series, 2018, 1101, 012016.	0.4	0
158	Treatment of All Speed Flows and High Aspect Ratios in CFD Applications. Lecture Notes in Computational Science and Engineering, 2000, , 256-263.	0.3	0
159	A Finite Volume Method for Viscous Compressible Flows in Low and High Speed Applications. , 2000, , 345-354.		0
160	Application of Multigrid in Two-Equation Turbulence Modelling. Lecture Notes in Computational Science and Engineering, 2000, , 171-178.	0.3	0
161	Applications of a Renormalization Group Based Hybrid Rans/Les Model. , 2005, , 329-338.		0
162	On the Performance of Optimized Finite Difference Schemes in Large-Eddy Simulation of the Taylor-Green Vortex. , 2011, , 753-759.		0

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163	A Runge-Kutta TVD Finite Volume Method for Steady Euler Equations on Adaptive Unstructured Grids. , 1992, , 301-310.		0
164	Introduction to Finite Element Techniques in Computational Fluid Dynamics. , 1992, , 223-260.		0
165	Coupled Solution of the Steady Compressible Navier-Stokes Equations and the $k-\hat{\mu}$ Turbulence Equations with a Relaxation Method. , 1994, , 40-49.		0
166	Conditionally averaged flow equations to model by-pass transition. , 1996, , 591-600.		0
167	Analysis of Multigrid Efficiency for Viscous Low Mach Number Flows. Lecture Notes in Computational Science and Engineering, 1998, , 289-305.	0.3	0
168	An Efficient and Accurate Pressure-Correction Method for All Mach Numbers. , 2006, , 135-140.		0
169	Second order defect-correction multigrid formulation of the polynomial flux-difference splitting method for steady Euler equations. , 1990, , 333-334.		0
170	Conditioned navier-stokes equations combined with the K-E model for by-pass transitional flows. , 1995, , 353-357.		0