Nikolaus A. Adams

List of Publications by Year
in descending order

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172	9,982	43973 48	38300 95
papers	citations	h-index	g-index

180	180	180	3992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ALPACA - a level-set based sharp-interface multiresolution solver for conservation laws. Computer Physics Communications, 2022, 272, 108246.	3.0	15
2	A parallel modular computing environment for three-dimensional multiresolution simulations of compressible flows. Computer Methods in Applied Mechanics and Engineering, 2022, 391, 114486.	3.4	10
3	Stochastic multi-fidelity surrogate modeling of dendritic crystal growth. Computer Methods in Applied Mechanics and Engineering, 2022, 393, 114799.	3.4	1
4	Numerical prediction of erosion due to a cavitating jet. Wear, 2022, 498-499, 204304.	1.5	3
5	A low-dissipation shock-capturing framework with flexible nonlinear dissipation control. Journal of Computational Physics, 2021, 428, 109960.	1.9	15
6	Mesoscopic Lattice Boltzmann Modeling of the Liquid-Vapor Phase Transition. Physical Review Letters, 2021, 126, 244501.	2.9	29
7	Inferring incompressible two-phase flow fields from the interface motion using physics-informed neural networks. Machine Learning With Applications, 2021, 4, 100029.	3.0	6
8	Numerical investigation of non-condensable gas effect on vapor bubble collapse. Physics of Fluids, 2021, 33, .	1.6	30
9	A multiresolution local-timestepping scheme for particleâ€“laden multiphase flow simulations using a level-set and point-particle approach. Computer Methods in Applied Mechanics and Engineering, 2021, 384, 113966.	3.4	4
10	Experimental investigation of droplet breakup of oxide-forming liquid metals. Physics of Fluids, 2021, 33, .	1.6	7
11	A low dissipation method to cure the grid-aligned shock instability. Journal of Computational Physics, 2020, 401, 109004.	1.9	31
12	Near-surface dynamics of a gas bubble collapsing above a crevice. Journal of Fluid Mechanics, 2020, 899, .	1.4	52
13	On an inconsistency of the arithmetic-average signal speed estimate for HLL-type Riemann solvers. Journal of Computational Physics: X, 2020, 8, 100077.	1.1	1
14	A shock-stable modification of the HLLC Riemann solver with reduced numerical dissipation. Journal of Computational Physics, 2020, 423, 109762.	1.9	34
15	Sparse identification of truncation errors. Journal of Computational Physics, 2019, 397, 108851.	1.9	20
16	An adaptive local time-stepping scheme for multiresolution simulations of hyperbolic conservation laws. Journal of Computational Physics: X, 2019, 4, 100038.	1.1	8
17	Density gradient calculation in a class of multiphase lattice Boltzmann models. Physical Review E, 2019, 100, 043306.	0.8	8
18	Partial characteristic decomposition for multi-species Euler equations. Computers and Fluids, 2019, 181, 364-382.	1.3	6

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19	Lattice Boltzmann model with self-tuning equation of state for multiphase flows. Physical Review E, 2019, 99, 023303.	0.8	19
20	A weakly compressible SPH method with WENO reconstruction. Journal of Computational Physics, 2019, 392, 1-18.	1.9	43
21	Lattice Boltzmann model with adjustable equation of state for coupled thermo-hydrodynamic flows. Journal of Computational Physics, 2019, 392, 227-247.	1.9	12
22	A split random time-stepping method for stiff and nonstiff detonation capturing. Combustion and Flame, 2019, 204, 397-413.	2.8	6
23	A new multi-resolution parallel framework for SPH. Computer Methods in Applied Mechanics and Engineering, 2019, 346, 1156-1178.	3.4	36
24	A conservative interface-interaction method for compressible multi-material flows. Journal of Computational Physics, 2018, 371, 870-895.	1.9	23
25	Eliminating cubic terms in the pseudopotential lattice Boltzmann model for multiphase flow. Physical Review E, 2018, 97, 053308.	0.8	28
26	Large-Eddy Simulation of turbulent, cavitating fuel flow inside a 9-hole Diesel injector including needle movement. International Journal of Engine Research, 2017, 18, 195-211.	1.4	43
27	A weakly compressible SPH method based on a low-dissipation Riemann solver. Journal of Computational Physics, 2017, 335, 605-620.	1.9	119
28	A physics-motivated Centroidal Voronoi Particle domain decomposition method. Journal of Computational Physics, 2017, 335, 718-735.	1.9	15
29	A generalized transport-velocity formulation for smoothed particle hydrodynamics. Journal of Computational Physics, 2017, 337, 216-232.	1.9	68
30	Targeted ENO schemes with tailored resolution property for hyperbolic conservation laws. Journal of Computational Physics, 2017, 349, 97-121.	1.9	85
31	A novel partitioning method for block-structured adaptive meshes. Journal of Computational Physics, 2017, 341, 447-473.	1.9	13
32	Wall Modeled Large Eddy Simulation of a Delta Wing with Round Leading Edge. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2016, , 607-616.	0.2	0
33	Curvature boundary condition for a moving contact line. Journal of Computational Physics, 2016, 310, 329-341.	1.9	19
34	Optimization of an Implicit Large-Eddy Simulation Method for Underresolved Incompressible Flow Simulations. AIAA Journal, 2016, 54, 1567-1577.	1.5	7
35	Efficient implicit LES method for the simulation of turbulent cavitating flows. Journal of Computational Physics, 2016, 316, 453-469.	1.9	50
36	Shock Mach number influence on reaction wave types and mixing in reactive shockâ€“bubble interaction. Combustion and Flame, 2016, 174, 85-99.	2.8	32

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37	A conservative interface-interaction model with insoluble surfactant. Journal of Computational Physics, 2016, 327, 653-677.	1.9	3
38	On the convergence of the weakly compressible sharp-interface method for two-phase flows. Journal of Computational Physics, 2016, 324, 94-114.	1.9	6
39	A cut-cell finite volume â€“ finite element coupling approach for fluidâ€“structure interaction in compressible flow. Journal of Computational Physics, 2016, 307, 670-695.	1.9	51
40	Determination of macroscopic transport coefficients of a dissipative particle dynamics solvent. Physical Review E, 2016, 93, 013302.	0.8	4
41	On the pressure dependence of ignition and mixing in two-dimensional reactive shock-bubble interaction. Combustion and Flame, 2016, 163, 414-426.	2.8	25
42	Numerical methods for the weakly compressible Generalized Langevin Model in Eulerian reference frame. Journal of Computational Physics, 2016, 314, 93-106.	1.9	5
43	Efficient formulation of scale separation for multi-scale modeling of interfacial flows. Journal of Computational Physics, 2016, 308, 411-420.	1.9	11
44	A family of high-order targeted ENO schemes for compressible-fluid simulations. Journal of Computational Physics, 2016, 305, 333-359.	1.9	218
45	Validation of a Flow Simulation for a Helicopter Fuselage Including a Rotating Rotor Head. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2016, , 303-313.	0.2	2
46	Cavitation erosion prediction based on analysis of flow dynamics and impact load spectra. Physics of Fluids, 2015, 27, .	1.6	62
47	Large-eddy simulation of cavitating nozzle flow and primary jet break-up. Physics of Fluids, 2015, 27, .	1.6	71
48	On instationary mechanisms in cavitating micro throttles. Journal of Physics: Conference Series, 2015, 656, 012079.	0.3	2
49	A SPH Model for Incompressible Turbulence. Procedia IUTAM, 2015, 18, 66-75.	1.2	12
50	Large-eddy simulation of cavitating nozzle and jet flows. Journal of Physics: Conference Series, 2015, 656, 012096.	0.3	1
51	LES of cavitating flow inside a Diesel injector including dynamic needle movement. Journal of Physics: Conference Series, 2015, 656, 012097.	0.3	6
52	Numerical investigation of shedding partial cavities over a sharp wedge. Journal of Physics: Conference Series, 2015, 656, 012122.	0.3	1
53	A conservative sharp interface method for incompressible multiphase flows. Journal of Computational Physics, 2015, 284, 547-565.	1.9	41
54	Assessing the numerical dissipation rate and viscosity in numerical simulations of fluid flows. Computers and Fluids, 2015, 114, 84-97.	1.3	41

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55	Towards consistence and convergence of conservative SPH approximations. Journal of Computational Physics, 2015, 301, 394-401.	1.9	32
56	An efficient low-dissipation hybrid weighted essentially non-oscillatory scheme. Journal of Computational Physics, 2015, 301, 415-424.	1.9	36
57	Cut-element based immersed boundary method for moving geometries in compressible liquid flows with cavitation. Journal of Computational Physics, 2015, 283, 1-22.	1.9	35
58	Scale separation for multi-scale modeling of free-surface and two-phase flows with the conservative sharp interface method. Journal of Computational Physics, 2015, 280, 387-403.	1.9	17
59	Evolution of length scales and statistics of Richtmyer-Meshkov instability from direct numerical simulations. Physical Review E, 2014, 90, 063001.	0.8	34
60	Experimental and Numerical Study of Heat Transfer at the Underbody of a Production Car. SAE International Journal of Commercial Vehicles, 2014, 7, 89-101.	0.4	6
61	Mesoscopic simulation of the transient behavior of semi-diluted polymer solution in a microchannel following extensional flow. Microfluidics and Nanofluidics, 2014, 16, 257-264.	1.0	9
62	Wall modeling for implicit large-eddy simulation and immersed-interface methods. Theoretical and Computational Fluid Dynamics, 2014, 28, 1-21.	0.9	42
63	Quantification of initial-data uncertainty on a shock-accelerated gas cylinder. Physics of Fluids, 2014, 26, 026101.	1.6	12
64	Numerical and experimental investigations of pseudo-shock systems in a planar nozzle: impact of bypass mass flow due to narrow gaps. Shock Waves, 2014, 24, 139-156.	1.0	15
65	Large-eddy simulation of turbulent cavitating flow in a micro channel. Physics of Fluids, 2014, 26, .	1.6	87
66	Adaptive multi-resolution method for compressible multi-phase flows with sharp interface model and pyramid data structure. Journal of Computational Physics, 2014, 262, 131-152.	1.9	49
67	Large-eddy simulation of passive shock-wave/boundary-layer interaction control. International Journal of Heat and Fluid Flow, 2014, 49, 116-127.	1.1	74
68	Large-eddy simulation of a pseudo-shock system in a Laval nozzle. International Journal of Heat and Fluid Flow, 2014, 49, 108-115.	1.1	23
69	On the Richtmyerâ€“Meshkov instability evolving from a deterministic multimode planar interface. Journal of Fluid Mechanics, 2014, 755, 429-462.	1.4	91
70	Large-eddy simulation of a supersonic turbulent boundary layer over a compressionâ€“expansion ramp. International Journal of Heat and Fluid Flow, 2013, 42, 79-93.	1.1	57
71	A physically consistent weakly compressible high-resolution approach to underresolved simulations of incompressible flows. Computers and Fluids, 2013, 86, 109-124.	1.3	17
72	11 PFLOP/s simulations of cloud cavitation collapse. , 2013, , .		38

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73	Positivity-preserving method for high-order conservative schemes solving compressible Euler equations. Journal of Computational Physics, 2013, 242, 169-180.	1.9	163
74	Interference effects of cooling airflows on a generic car body. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 119, 146-157.	1.7	7
75	A transport-velocity formulation for smoothed particle hydrodynamics. Journal of Computational Physics, 2013, 241, 292-307.	1.9	156
76	Analysis of interpolation schemes for the accurate estimation of energy spectrum in Lagrangian methods. Computers and Fluids, 2013, 82, 122-131.	1.3	7
77	Numerical simulation of a Richtmyerâ€“Meshkov instability with an adaptive central-upwind sixth-order WENO scheme. Physica Scripta, 2013, T155, 014016.	1.2	15
78	On the Kolmogorov inertial subrange developing from Richtmyer-Meshkov instability. Physics of Fluids, 2013, 25, .	1.6	26
79	LES of Turbulent Cavitating Shear Layers. , 2013, , 349-359.		1
80	Numerical investigation of collapsing cavity arrays. Physics of Fluids, 2012, 24, .	1.6	61
81	Analysis of intermittency in under-resolved smoothed-particle-hydrodynamics direct numerical simulations of forced compressible turbulence. Physical Review E, 2012, 85, 036708.	0.8	4
82	The Interior Design of a 40% Scaled DrivAer Body and First Experimental Results. , 2012, , .		21
83	Experimental and Numerical Investigation of the DrivAer Model. , 2012, , .		39
84	Analysis of unsteady behaviour in shockwave turbulent boundary layer interaction. Journal of Fluid Mechanics, 2012, 700, 16-28.	1.4	167
85	A generalized wall boundary condition for smoothed particle hydrodynamics. Journal of Computational Physics, 2012, 231, 7057-7075.	1.9	532
86	Multiscale modeling of particle in suspension with smoothed dissipative particle dynamics. Physics of Fluids, 2012, 24, .	1.6	92
87	Aerodynamic Investigations of a Morphing Membrane Wing. AIAA Journal, 2012, 50, 2588-2599.	1.5	19
88	Numerical Analysis of a Rotating Cylinder with Spanwise Disks. AIAA Journal, 2012, 50, 271-283.	1.5	11
89	Numerical modelling and investigation of symmetric and asymmetric cavitation bubble dynamics. Computers and Fluids, 2012, 69, 1-19.	1.3	140
90	The Ground Simulation Upgrade of the Large Wind Tunnel at the Technische UniversitÃt MÃ¼nchen. , 2012, , .		10

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91	Anti-diffusion interface sharpening technique for two-phase compressible flow simulations. Journal of Computational Physics, 2012, 231, 4304-4323.	1.9	102
92	Wall Modelling for Implicit Large Eddy Simulation of Favourable and Adverse Pressure Gradient Flows. ERCOFTAC Series, 2011, , 337-346.	0.1	1
93	Numerical Investigation of Inlet Distortion on a Wing-Embedded Lift Fan. Journal of Propulsion and Power, 2011, 27, 16-28.	1.3	9
94	Large-Eddy Simulations of Turbulence Enhancement due to Forced Shock Motion in Shock-Boundary Layer Interaction. , 2011, , .		3
95	Comparison of Numerical Simulations with Experiments of Bluff Bodies Including Under-Hood Flow. , 2011, , .		11
96	Scale separation for implicit large eddy simulation. Journal of Computational Physics, 2011, 230, 7240-7249.	1.9	72
97	Wavelet-based adaptive multi-resolution solver on heterogeneous parallel architecture for computational fluid dynamics. Computer Science - Research and Development, 2011, 26, 197-203.	2.7	8
98	Anti-diffusion method for interface steepening in two-phase incompressible flow. Journal of Computational Physics, 2011, 230, 5155-5177.	1.9	56
99	SPH simulations of flow around a periodic array of cylinders confined in a channel. International Journal for Numerical Methods in Engineering, 2011, 86, 1027-1040.	1.5	50
100	A stochastic extension of the approximate deconvolution model. Physics of Fluids, 2011, 23, .	1.6	11
101	Numerical simulation of tethered DNA in shear flow. Journal of Physics Condensed Matter, 2011, 23, 184118.	0.7	14
102	Integrated Experimental-Numerical Analysis of High-Agility Aircraft Wake Vortex Evolution. Journal of Aircraft, 2011, 48, 2050-2058.	1.7	6
103	A conservative SPH method for surfactant dynamics. Journal of Computational Physics, 2010, 229, 1909-1926.	1.9	64
104	A conservative immersed interface method for Large-Eddy Simulation of incompressible flows. Journal of Computational Physics, 2010, 229, 6300-6317.	1.9	97
105	Letter to the Editor: On the evolution of dissipation rate and resolved kinetic energy in ALDM simulations of the Taylorâ€“Green flow. Journal of Computational Physics, 2010, 229, 2422-2423.	1.9	2
106	A new surface-tension formulation for multi-phase SPH using a reproducing divergence approximation. Journal of Computational Physics, 2010, 229, 5011-5021.	1.9	218
107	A splitting scheme for highly dissipative smoothed particle dynamics. Journal of Computational Physics, 2010, 229, 5457-5464.	1.9	35
108	An adaptive central-upwind weighted essentially non-oscillatory scheme. Journal of Computational Physics, 2010, 229, 8952-8965.	1.9	249

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109	Assessment of Implicit Large-Eddy Simulation with a Conservative Immersed Interface Method for turbulent cylinder flow. International Journal of Heat and Fluid Flow, 2010, 31, 368-377.	1.1	65
110	Numerical analysis of design parameters for a generic fan-in-wing configuration. Aerospace Science and Technology, 2010, 14, 65-77.	2.5	10
111	Implicit atomistic viscosities in smoothed particle hydrodynamics. Physical Review E, 2010, 82, 046702.	0.8	17
112	Particle-layering effect in wall-bounded dissipative particle dynamics. Physical Review E, 2010, 82, 066704.	0.8	11
113	The Influence of Magnetic Fields on the Rise of Gas Bubbles in Electrically Conductive Liquids. ERCOFTAC Series, 2010, , 465-471.	0.1	6
114	Computational Aspects of Implicit LES ofÂComplex Flows. , 2010, , 133-146.		1
115	Implicit LES of Passive-Scalar Mixing in a Confined Rectangular-Jet Reactor. , 2010, , 299-310.		0
116	Aerodynamic Analysis of a Helicopter Fuselage. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 603-610.	0.2	0
117	An Immersed Interface Method in the Framework of Implicit Large-Eddy Simulation. ERCOFTAC Series, 2010, , 109-115.	0.1	0
118	Turbulence and Shear Flow Phenomena-5 Symposium. Journal of Turbulence, 2009, 10, N37.	0.5	0
119	Numerical and Experimental Analysis of a Generic Fan-in-Wing Configuration. Journal of Aircraft, 2009, 46, 656-666.	1.7	23
120	Self-diffusion coefficient in smoothed dissipative particle dynamics. Journal of Chemical Physics, 2009, 130, 021101.	1.2	38
121	Numerical investigation of rising bubble wake and shape variations. Physics of Fluids, 2009, 21, .	1.6	45
122	Implementation of aÂLatticeâ€“Boltzmann method for numerical fluid mechanics using the nVIDIA CUDA technology. Computer Science - Research and Development, 2009, 23, 241-247.	2.7	29
123	A constant-density approach for incompressible multi-phase SPH. Journal of Computational Physics, 2009, 228, 2082-2091.	1.9	106
124	On the HLLC Riemann solver for interface interaction in compressible multi-fluid flow. Journal of Computational Physics, 2009, 228, 6572-6589.	1.9	86
125	Supersonic and Hypersonic Boundary-Layer Flows. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 77-91.	0.2	3
126	Implicit Large-Eddy Simulation: Theory and Application. Springer Proceedings in Physics, 2009, , 743-750.	0.1	11

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127	Moving Contact Line with Balanced Stress Singularities. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 87-94.	0.1	0
128	Splitting for Highly Dissipative Smoothed Particle Dynamics. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 207-218.	0.1	0
129	On improving mass-conservation properties of the hybrid particle-level-set method. Computers and Fluids, 2008, 37, 1320-1331.	1.3	21
130	Implicit LES applied to zero-pressure-gradient and adverse-pressure-gradient boundary-layer turbulence. International Journal of Heat and Fluid Flow, 2008, 29, 626-639.	1.1	33
131	Implicit large-eddy simulation applied to turbulent channel flow with periodic constrictions. Theoretical and Computational Fluid Dynamics, 2008, 22, 227-242.	0.9	29
132	Special issue on large-eddy simulation of complex flows. Theoretical and Computational Fluid Dynamics, 2008, 22, 155-155.	0.9	0
133	Smoothed dissipative particle dynamics model for polymer molecules in suspension. Physical Review E, 2008, 77, 066703.	0.8	55
134	On Implementing the Hybrid Particle-Level-Set Method on Supercomputers for Two-Phase Flow Simulations. , 2008, , 445-456.		0
135	On implicit subgrid-scale modeling in wall-bounded flows. Physics of Fluids, 2007, 19, .	1.6	53
136	Implicit subgrid-scale modeling for large-eddy simulation of passive-scalar mixing. Physics of Fluids, 2007, 19, .	1.6	40
137	An incompressible multi-phase SPH method. Journal of Computational Physics, 2007, 227, 264-278.	1.9	388
138	Large-eddy simulation of shock-wave/turbulent-boundary-layer interaction. Journal of Fluid Mechanics, 2006, 565, 135.	1.4	190
139	An adaptive local deconvolution method for implicit LES. Journal of Computational Physics, 2006, 213, 413-436.	1.9	220
140	A multi-phase SPH method for macroscopic and mesoscopic flows. Journal of Computational Physics, 2006, 213, 844-861.	1.9	537
141	A conservative interface method for compressible flows. Journal of Computational Physics, 2006, 219, 553-578.	1.9	198
142	Angular-momentum conservative smoothed particle dynamics for incompressible viscous flows. Physics of Fluids, 2006, 18, 101702.	1.6	65
143	A windowing method for periodic inflow/outflow boundary treatment of non-periodic flows. Journal of Computational Physics, 2005, 206, 505-535.	1.9	36
144	An asymptotically stable compact upwind-biased finite-difference scheme for hyperbolic systems. Journal of Computational Physics, 2005, 208, 435-454.	1.9	4

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145	Analysis of flow in a cone-and-plate apparatus with respect to spatial and temporal effects on endothelial cells. Biotechnology and Bioengineering, 2005, 89, 493-502.	1.7	75
146	Implicit subgrid-scale modeling by adaptive deconvolution. Journal of Computational Physics, 2004, 200, 412-431.	1.9	82
147	Large-eddy simulation of high-Reynolds-number supersonic boundary layers using the approximate deconvolution model and a rescaling and recycling technique. Physics of Fluids, 2003, 15, 2398-2412.	1.6	112
148	The Approximate Deconvolution Model for Large-Eddy Simulation of Compressible Flows With Finite Volume Schemes. Journal of Fluids Engineering, Transactions of the ASME, 2002, 124, 829-835.	0.8	6
149	A Subgrid-Scale Deconvolution Approach for Shock Capturing. Journal of Computational Physics, 2002, 178, 391-426.	1.9	91
150	The use of LES subgrid-scale models for shock capturing. International Journal for Numerical Methods in Fluids, 2002, 39, 783-797.	0.9	5
151	Direct numerical simulation of a transitional rectangular jet. International Journal of Heat and Fluid Flow, 2002, 23, 547-553.	1.1	32
152	The approximate deconvolution model for large-eddy simulations of compressible flows and its application to shock-turbulent-boundary-layer interaction. Physics of Fluids, 2001, 13, 2985-3001.	1.6	225
153	Direct simulation of turbulent supersonic boundary layers by an extended temporal approach. Journal of Fluid Mechanics, 2001, 429, 187-216.	1.4	156
154	On Taylor-series expansions of residual stress. Physics of Fluids, 2001, 13, 2578-2589.	1.6	23
155	An approximate deconvolution model for large-eddy simulation with application to incompressible wall-bounded flows. Physics of Fluids, 2001, 13, 997-1015.	1.6	433
156	A priorianalyses of three subgrid-scale models for one-parameter families of filters. Physics of Fluids, 2000, 12, 1133-1142.	1.6	26
157	Direct simulation of the turbulent boundary layer along a compression ramp at M = 3 and $Re\hat{}_{\theta}$ = 1685. Journal of Fluid Mechanics, 2000, 420, 47-83.	1.4	259
158	An approximate deconvolution procedure for large-eddy simulation. Physics of Fluids, 1999, 11, 1699-1701.	1.6	603
159	Direct Numerical Simulation of Turbulent Compression Ramp Flow. Theoretical and Computational Fluid Dynamics, 1998, 12, 109-129.	0.9	109
160	Subharmonic transition to turbulence in a flat-plate boundary layer at Mach number 4.5. Journal of Fluid Mechanics, 1996, 317, 301-335.	1.4	46
161	A High-Resolution Hybrid Compact-ENO Scheme for Shock-Turbulence Interaction Problems. Journal of Computational Physics, 1996, 127, 27-51.	1.9	422
162	Comparison of temporal and spatial direct numerical simulation of compressible boundary-layer transition. AIAA Journal, 1996, 34, 683-690.	1.5	28

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163	Direct simulation of breakdown to turbulence following oblique instability waves in a supersonic boundary layer. Flow, Turbulence and Combustion, 1995, 54, 223-234.	0.2	30
164	Modeling of nonparallel effects in temporal direct numerical simulations of compressible boundary-layer transition. Theoretical and Computational Fluid Dynamics, 1995, 7, 141-157.	0.9	14
165	Numerical simulation of boundary-layer transition at Mach two. Flow, Turbulence and Combustion, 1993, 51, 371-375.	0.2	17
166	A New Approach to Analyzing Cooling and Interference Drag. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 3, 339-351.	0.4	15
167	Experimental Investigation of Unsteady Vehicle Aerodynamics under Time-Dependent Flow Conditions - Part 1. , 0, , .		35
168	Experimental Investigation of Unsteady Vehicle Aerodynamics under Time-Dependent Flow Conditions - Part2. , 0, , .		27
169	Study on the Capability of an Open Source CFD Software for Unsteady Vehicle Aerodynamics. SAE International Journal of Commercial Vehicles, 0, 5, 196-207.	0.4	6
170	Experimental and Numerical Investigation of the Under Hood Flow with Heat Transfer for a Scaled Tractor-Trailer. SAE International Journal of Commercial Vehicles, 0, 5, 42-56.	0.4	12
171	Introduction of a New Realistic Generic Car Model for Aerodynamic Investigations. , 0, , .		139
172	Aerodynamic Investigation of Vehicle Cooling-Drag. , 0, , .		20