

Wolfgang Rodi

List of Publications by Year in descending order

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26
papers

2,877
citations

516215

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676716

22
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29
all docs

29
docs citations

29
times ranked

1756
citing authors

#	ARTICLE	IF	CITATIONS
1	Turbulence Modeling and Simulation in Hydraulics: A Historical Review. <i>Journal of Hydraulic Engineering</i> , 2017, 143, .	0.7	65
2	Forced Convection Heat Transfer from a Finite-Height Cylinder. <i>Flow, Turbulence and Combustion</i> , 2014, 93, 171-187.	1.4	7
3	The Effect of wake Turbulence Intensity on Transition in a Compressor Cascade. <i>Flow, Turbulence and Combustion</i> , 2014, 93, 555-576.	1.4	17
4	On simulating the turbulent flow around the Ahmed body: A French-German collaborative evaluation of LES and DES. <i>Computers and Fluids</i> , 2013, 78, 10-23.	1.3	87
5	Direct numerical simulation of heat transfer from the stagnation region of a heated cylinder affected by an impinging wake. <i>Journal of Fluid Mechanics</i> , 2011, 669, 64-89.	1.4	14
6	Scalar transport from point sources in the flow around a finite-height cylinder. <i>Environmental Fluid Mechanics</i> , 2011, 11, 611-625.	0.7	9
7	Direct numerical simulations of transition in a compressor cascade: the influence of free-stream turbulence. <i>Journal of Fluid Mechanics</i> , 2010, 665, 57-98.	1.4	118
8	Large Eddy Simulations and Experiments of Flow Around Finite-Height Cylinders. <i>Flow, Turbulence and Combustion</i> , 2010, 84, 239-275.	1.4	107
9	DNS of heat transfer in transitional, accelerated boundary layer flow over a flat plate affected by free-stream fluctuations. <i>International Journal of Heat and Fluid Flow</i> , 2009, 30, 930-938.	1.1	6
10	Large Eddy Simulation of Turbulent Flow Through Submerged Vegetation. <i>Transport in Porous Media</i> , 2009, 78, 347-365.	1.2	90
11	Hybrid Techniques for Large-Eddy Simulations of Complex Turbulent Flows. , 2009, , 317-332.		1
12	Impact of Density Differences on Turbulent Round Jets. , 2009, , 285-299.		1
13	Large-eddy simulation of variable-density turbulent axisymmetric jets. <i>International Journal of Heat and Fluid Flow</i> , 2008, 29, 654-664.	1.1	82
14	Large-Scale Computations of Flow Around a Circular Cylinder. , 2008, , 71-81.		7
15	Direct numerical simulation of flow and heat transfer in a turbine cascade with incoming wakes. <i>Journal of Fluid Mechanics</i> , 2006, 569, 209.	1.4	61
16	Numerical Simulations of Isothermal Flow in a Swirl Burner. , 2006, , 589.		3
17	DNS and LES of some engineering flows. <i>Fluid Dynamics Research</i> , 2006, 38, 145-173.	0.6	56
18	The influence of disturbances carried by periodically incoming wakes on the separating flow around a turbine blade. <i>International Journal of Heat and Fluid Flow</i> , 2006, 27, 721-729.	1.1	48

#	ARTICLE	IF	CITATIONS
19	Turbulence Modelling for Boundary-Layer Calculations. Solid Mechanics and Its Applications, 2006, , 247-256.	0.1	2
20	Highly resolved large-eddy simulation of separated flow in a channel with streamwise periodic constrictions. Journal of Fluid Mechanics, 2005, 526, 19-66.	1.4	350
21	LES of the flow around a circular cylinder of finite height. International Journal of Heat and Fluid Flow, 2004, 25, 537-548.	1.1	88
22	Three-dimensional calculations of flow and suspended sediment transport in the neighborhood of the dam for the Three Gorges Project (TGP) reservoir in the Yangtze River. Journal of Hydraulic Research/De Recherches Hydrauliques, 2003, 41, 379-394.	0.7	91
23	Title is missing!. Flow, Turbulence and Combustion, 2002, 69, 295-329.	1.4	100
24	3D Numerical Modeling of Flow and Sediment Transport in Open Channels. Journal of Hydraulic Engineering, 2000, 126, 4-15.	0.7	332
25	Modeling Suspended Sediment Transport in Nonequilibrium Situations. Journal of Hydraulic Engineering, 1988, 114, 1157-1191.	0.7	163
26	Turbulence models for near-wall and low Reynolds number flows - A review. AIAA Journal, 1985, 23, 1308-1319.	1.5	971