

Wolfgang Rodi

List of Publications by Year in descending order

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26
papers

2,877
citations

516215

16
h-index

676716

22
g-index

29
all docs

29
docs citations

29
times ranked

1756
citing authors

#	ARTICLE	IF	CITATIONS
1	Turbulence models for near-wall and low Reynolds number flows - A review. AIAA Journal, 1985, 23, 1308-1319.	1.5	971
2	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
3	3D Numerical Modeling of Flow and Sediment Transport in Open Channels. Journal of Hydraulic Engineering, 2000, 126, 4-15.	0.7	332
4	Modeling Suspended Sediment Transport in Nonequilibrium Situations. Journal of Hydraulic Engineering, 1988, 114, 1157-1191.	0.7	163
5	Direct numerical simulations of transition in a compressor cascade: the influence of free-stream turbulence. Journal of Fluid Mechanics, 2010, 665, 57-98.	1.4	118
6	Large Eddy Simulations and Experiments of Flow Around Finite-Height Cylinders. Flow, Turbulence and Combustion, 2010, 84, 239-275.	1.4	107
7	Title is missing!. Flow, Turbulence and Combustion, 2002, 69, 295-329.	1.4	100
8	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
9	Large Eddy Simulation of Turbulent Flow Through Submerged Vegetation. Transport in Porous Media, 2009, 78, 347-365.	1.2	90
10	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
11	On simulating the turbulent flow around the Ahmed body: A French-German collaborative evaluation of LES and DES. Computers and Fluids, 2013, 78, 10-23.	1.3	87
12	Large-eddy simulation of variable-density turbulent axisymmetric jets. International Journal of Heat and Fluid Flow, 2008, 29, 654-664.	1.1	82
13	Turbulence Modeling and Simulation in Hydraulics: A Historical Review. Journal of Hydraulic Engineering, 2017, 143, .	0.7	65
14	Direct numerical simulation of flow and heat transfer in a turbine cascade with incoming wakes. Journal of Fluid Mechanics, 2006, 569, 209.	1.4	61
15	DNS and LES of some engineering flows. Fluid Dynamics Research, 2006, 38, 145-173.	0.6	56
16	The influence of disturbances carried by periodically incoming wakes on the separating flow around a turbine blade. International Journal of Heat and Fluid Flow, 2006, 27, 721-729.	1.1	48
17	The Effect of wake Turbulence Intensity on Transition in a Compressor Cascade. Flow, Turbulence and Combustion, 2014, 93, 555-576.	1.4	17
18	Direct numerical simulation of heat transfer from the stagnation region of a heated cylinder affected by an impinging wake. Journal of Fluid Mechanics, 2011, 669, 64-89.	1.4	14

#	ARTICLE	IF	CITATIONS
19	Scalar transport from point sources in the flow around a finite-height cylinder. Environmental Fluid Mechanics, 2011, 11, 611-625.	0.7	9
20	Forced Convection Heat Transfer from a Finite-Height Cylinder. Flow, Turbulence and Combustion, 2014, 93, 171-187.	1.4	7
21	Large-Scale Computations of Flow Around a Circular Cylinder. , 2008, , 71-81.		7
22	DNS of heat transfer in transitional, accelerated boundary layer flow over a flat plate affected by free-stream fluctuations. International Journal of Heat and Fluid Flow, 2009, 30, 930-938.	1.1	6
23	Numerical Simulations of Isothermal Flow in a Swirl Burner. , 2006, , 589.		3
24	Turbulence Modelling for Boundary-Layer Calculations. Solid Mechanics and Its Applications, 2006, , 247-256.	0.1	2
25	Hybrid Techniques for Large-€Eddy Simulations of Complex Turbulent Flows. , 2009, , 317-332.		1
26	Impact of Density Differences on Turbulent Round Jets. , 2009, , 285-299.		1