## Philippe R Spalart

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/3771004/publications.pdf
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Direct simulation of a turbulent boundary layer up to $R \hat{\mathrm{I}}_{s}=1410$. Journal of Fluid Mechanics, 1988, 187,
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5 Experimental and numerical study of a turbulent boundary layer with pressure gradients. Journal of Fluid Mechanics, 1993, 249, 337. ..... 1.4 ..... 3456 Noise Prediction for Increasingly Complex Jets. Part I: Methods and Tests. International Journal ofAeroacoustics, 2005, 4, 213-245.
7 Mechanisms of transition and heat transfer in a separation bubble. Journal of Fluid Mechanics, 2000, 403, 329-349. 1.4 ..... 268
8 Trends in turbulence treatments. , 2000, , . ..... 175
9 Predictions of a Supersonic Turbulent Flow in a Square Duct. , 2013, , . ..... 78
10 Numerical study of turbulent separation bubb
1.4 ..... 60
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11. Improvements to the Quadratic Constitutive Relation Based on NASA Juncture Flow Data. AIAA Journal,
2020, 58, 4374-4384.
32 ..... 2Direct Simulation and RANS Modelling of a Vortex Generator Flow. Flow, Turbulence and
Combustion, 2015, 95, 335-350. 12
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1.4 ..... 27Direct numerical simulation of a decelerated wall-bounded turbulent shear flow. Journal of FluidMechanics, 2003, 495, 1-18.$1.4 \quad 24$
simulation. Journal of Fluid Mechanics, 2010, 643, 163-175.24Journal of Sound and Vibration, 2013, 332, 2808-2815.

RANS Solutions in Couette flow with streamwise vortices. International Journal of Heat and Fluid

24 Empirical scaling laws for wall-bounded turbulence deduced from direct numerical simulations.

