

# William R Wolf

## List of Publications by Year in descending order

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32  
papers

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citations

623734

14  
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552781

26  
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docs citations

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times ranked

360  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Extremum Seeking Control Applied to Airfoil Trailing-Edge Noise Suppression. AIAA Journal, 2022, 60, 823-843.   | 2.6 | 6         |
| 2  | On the Application of Incomplete Ffowcs Williams and Hawkings Surfaces for Aeroacoustic Predictions. AIAA Journal, 2022, 60, 1971-1977.                                     | 2.6 | 6         |
| 3  | Transition, intermittency and phase interference effects in airfoil secondary tones and acoustic feedback loop. Journal of Fluid Mechanics, 2022, 937, .                    | 3.4 | 17        |
| 4  | Acoustic Scattering by Laminated Plates with Viscoelastic Layers. AIAA Journal, 2022, 60, 2469-2480.  | 2.6 | 0         |
| 5  | Numerical noise prediction and source identification of a realistic landing gear. Journal of Sound and Vibration, 2021, 496, 115933.  | 3.9 | 15        |
| 6  | On secondary tones arising in trailing-edge noise at moderate Reynolds numbers. European Journal of Mechanics, B/Fluids, 2020, 79, 54-66.                                   | 2.5 | 21        |
| 7  | Assessment of reduced-order modeling strategies for convective heat transfer. Numerical Heat Transfer; Part A: Applications, 2020, 77, 702-729.                             | 2.1 | 14        |
| 8  | On the scalability of CFD tool for supersonic jet flow configurations. Parallel Computing, 2020, 93, 102620.  | 2.1 | 3         |
| 9  | Acoustic radiation of subsonic jets in the vicinity of an inclined flat plate. Journal of the Acoustical Society of America, 2019, 146, 50-59.                              | 1.1 | 20        |
| 10 | Strong scaling of numerical solver for supersonic jet flow configurations. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.            | 1.6 | 1         |
| 11 | Construction of reduced-order models for fluid flows using deep feedforward neural networks. Journal of Fluid Mechanics, 2019, 872, 963-994.                                | 3.4 | 113       |
| 12 | Trailing-edge noise from the scattering of spanwise-coherent structures. Physical Review Fluids, 2019, 4, .   | 2.5 | 23        |
| 13 | Influence of different subgrid-scale models in low-order LES of supersonic jet flows. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1. | 1.6 | 3         |
| 14 | Leading-Edge Noise Prediction of General Airfoil Profiles with Spanwise-Varying Inflow Conditions. AIAA Journal, 2018, 56, 1711-1716.                                       | 2.6 | 9         |
| 15 | Aeroacoustic analysis of automotive roof crossbars through on-track acoustic measurements. Applied Acoustics, 2018, 142, 95-105.  | 3.3 | 6         |
| 16 | Acoustic scattering by finite composite plates. Journal of the Acoustical Society of America, 2018, 144, 1170-1179.   | 1.1 | 4         |
| 17 | A fast numerical framework to compute acoustic scattering by poroelastic plates of arbitrary geometry. Journal of Computational Physics, 2018, 373, 763-783.                | 3.8 | 14        |
| 18 | Fast multipole method applied to Lagrangian simulations of vortical flows. Communications in Nonlinear Science and Numerical Simulation, 2017, 51, 180-197.                 | 3.3 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | A fast algorithm for simulation of periodic flows using discrete vortex particles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4555-4570. | 1.6 | 1         |
| 20 | Scattering of turbulent-jet wavepackets by a swept trailing edge. Journal of the Acoustical Society of America, 2016, 140, 4350-4359.  | 1.1 | 49        |
| 21 | Large Eddy Simulations of convergent-divergent channel flows at moderate Reynolds numbers. International Journal of Heat and Fluid Flow, 2015, 56, 137-151.                      | 2.4 | 15        |
| 22 | Sound and Sources of Sound in a Model Problem with Wake Interaction. AIAA Journal, 2015, 53, 2588-2606.  | 2.6 | 8         |
| 23 | A Comparative Study of Discontinuous High Order Methods for Compressible Flows. , 2014, , .  |     | 2         |
| 24 | Large Eddy Simulation of Stall Noise. , 2014, , .  |     | 3         |
| 25 | Acoustic scattering by finite poroelastic plates. , 2014, , .  |     | 16        |
| 26 | Scattering of wavepackets by a flat plate in the vicinity of a turbulent jet. Journal of Sound and Vibration, 2014, 333, 6516-6531.  | 3.9 | 103       |
| 27 | Effects of mean flow convection, quadrupole sources and vortex shedding on airfoil overall sound pressure level. Journal of Sound and Vibration, 2013, 332, 6905-6912.           | 3.9 | 17        |
| 28 | Convective effects and the role of quadrupole sources for aerofoil aeroacoustics. Journal of Fluid Mechanics, 2012, 708, 502-538.  | 3.4 | 106       |
| 29 | Trailing-Edge Noise Predictions Using Compressible Large-Eddy Simulation and Acoustic Analogy. AIAA Journal, 2012, 50, 2423-2434.  | 2.6 | 47        |
| 30 | Aeroacoustic Integrals Accelerated by Fast Multipole Method. AIAA Journal, 2011, 49, 1466-1477.  | 2.6 | 32        |
| 31 | Acoustic Analogy Formulations Accelerated by Fast Multipole Method for Two-Dimensional Aeroacoustic Problems. AIAA Journal, 2010, 48, 2274-2285.                                 | 2.6 | 27        |
| 32 | High-Order Unstructured Essentially Nonoscillatory and Weighted Essentially Nonoscillatory Schemes for Aerodynamic Flows. AIAA Journal, 2006, 44, 2295-2310.                     | 2.6 | 17        |