

# Jeffrey P Thomas

## List of Publications by Year in descending order

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16  
papers

1,806  
citations

687363

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940533

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docs citations

17  
times ranked

551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete Adjoint Approach for Nonlinear Unsteady Aeroelastic Design Optimization. AIAA Journal, 2019, 57, 4368-4376.	2.6	11
2	Vortex-Induced Vibration and Frequency Lock-In of an Airfoil at High Angles of Attack. Journal of Fluids Engineering, Transactions of the ASME, 2016, 138, .	1.5	32
3	Developing a Reduced-Order Model of Nonsynchronous Vibration in Turbomachinery Using Proper-Orthogonal Decomposition Methods. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	1.1	9
4	Compact Implementation Strategy for a Harmonic Balance Method Within Implicit Flow Solvers. AIAA Journal, 2013, 51, 1374-1381.	2.6	39
5	Harmonic balance methods applied to computational fluid dynamics problems. International Journal of Computational Fluid Dynamics, 2013, 27, 52-67.	1.2	88
6	Stabilization of Explicit Flow Solvers Using a Proper-Orthogonal-Decomposition Technique. AIAA Journal, 2013, 51, 1095-1104.	2.6	11
7	Using Automatic Differentiation to Create a Nonlinear Reduced-Order-Model Aerodynamic Solver. AIAA Journal, 2010, 48, 19-24.	2.6	51
8	Improved Flutter Boundary Prediction for an Isolated Two-Degree-of-Freedom Airfoil. Journal of Aircraft, 2009, 46, 2069-2076.	2.4	15
9	Reduced Order Nonlinear System Identification Methodology. AIAA Journal, 2006, 44, 1895-1904.	2.6	15
10	Static/Dynamic Correction Approach for Reduced-Order Modeling of Unsteady Aerodynamics. Journal of Aircraft, 2006, 43, 865-878.	2.4	18
11	Discrete Adjoint Approach for Modeling Unsteady Aerodynamic Design Sensitivities. AIAA Journal, 2005, 43, 1931-1936.	2.6	54
12	Modeling Viscous Transonic Limit Cycle Oscillation Behavior Using a Harmonic Balance Approach. Journal of Aircraft, 2004, 41, 1266-1274.	2.4	118
13	Three-Dimensional Transonic Aeroelasticity Using Proper Orthogonal Decomposition-Based Reduced-Order Models. Journal of Aircraft, 2003, 40, 544-551.	2.4	156
14	Nonlinear Inviscid Aerodynamic Effects on Transonic Divergence, Flutter, and Limit-Cycle Oscillations. AIAA Journal, 2002, 40, 638-646.	2.6	251
15	Computation of Unsteady Nonlinear Flows in Cascades Using a Harmonic Balance Technique. AIAA Journal, 2002, 40, 879-886.	2.6	618
16	Proper Orthogonal Decomposition Technique for Transonic Unsteady Aerodynamic Flows. AIAA Journal, 2000, 38, 1853-1862.	2.6	315