

Jeffrey P Thomas

List of Publications by Year in descending order

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16
papers

1,806
citations

687363

13
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

551
citing authors

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