

Lakshmi N Sankar

List of Publications by Year in descending order

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33
papers

605
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567281

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33
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33
docs citations

33
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Hover Prediction Methodologies to Anhedral Tip Shapes. , 2017, , .		0
2	A Comparative Study of Two Hover Prediction Methodologies. , 2016, , .		1
3	A CFDâ€CSD coupled-analysis of HART-II rotor vibration reduction using gurney flaps. Aerospace Science and Technology, 2016, 48, 308-321.	4.8	12
4	Assessment of Planform Effects on Rotor Hover Performance. , 2015, , .		1
5	Physics-Based Modeling of Maneuver Loads for Rotor and Hub Design. Journal of Aircraft, 2014, 51, 377-389.	2.4	7
6	Simulation of Rotor in Hover: Current State, Challenges and Standardized Evaluation. , 2014, , .		46
7	Reduced-Order Dynamic Stall Modeling with Swept Flow Effects Using a Surrogate-Based Recurrence Framework. AIAA Journal, 2013, 51, 910-921.	2.6	21
8	A Surrogate-Based Approach to Reduced-Order Dynamic Stall Modeling. Journal of the American Helicopter Society, 2012, 57, 1-9.	0.8	16
9	Hybrid Reynolds-Average Navier-Stokes and Kinetic Eddy Simulation of External and Internal Flows. Journal of Aircraft, 2010, 47, 805-811.	2.4	3
10	Hybrid Navier-Stokes/Free-Wake Method for Modeling Blade-Vortex Interactions. Journal of Aircraft, 2010, 47, 975-982.	2.4	15
11	Hybrid Reynolds-Averaged Navier-Stokes/Kinetic-Eddy Simulation of Stall Inception in Axial Compressors. Journal of Propulsion and Power, 2010, 26, 1276-1282.	2.2	11
12	Computational Investigation of Gurney Flap Effects on Rotors in Forward Flight. Journal of Aircraft, 2009, 46, 1957-1964.	2.4	21
13	Computational Modeling of Variable-Droop Leading Edge in Forward Flight. Journal of Aircraft, 2009, 46, 617-626.	2.4	12
14	Numerical Investigation of Circulation Control Airfoils. Journal of Aircraft, 2009, 46, 1403-1410.	2.4	24
15	Numerical Simulation of the Aerodynamics of Horizontal Axis Wind Turbines under Yawed Flow Conditions. Journal of Solar Energy Engineering, Transactions of the ASME, 2005, 127, 464-474.	1.8	64
16	High-Order Essentially Nonoscillatory Schemes for Rotary-Wing Wake Computations. Journal of Aircraft, 2004, 41, 258-267.	2.4	27
17	Dynamic Stall Alleviation Using a Deformable Leading Edge Concept-A Numerical Study. Journal of Aircraft, 2003, 40, 77-85.	2.4	32
18	Unsteady Overset Simulation of Rotor-Airframe Interaction. Journal of Aircraft, 2003, 40, 662-674.	2.4	23

#	ARTICLE	IF	CITATIONS
19	Recent Improvements to a Hybrid Method for Rotors in Forward Flight. <i>Journal of Aircraft</i> , 2002, 39, 804-812.	2.4	33
20	Development of engineering aerodynamics models using a viscous flow methodology on the NREL Phase VI rotor. <i>Wind Energy</i> , 2002, 5, 171-183.	4.2	15
21	Computational Analysis of Centrifugal Compressor Surge Control Using Air Injection. <i>Journal of Aircraft</i> , 2001, 38, 513-520.	2.4	14
22	Computational Study of Horizontal Axis Wind Turbines. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2000, 122, 35-39.	1.8	43
23	Computation of unsteady transonic flow over a fighter wing using a zonal Navier-Stokes/full-potential method. <i>International Journal for Numerical Methods in Fluids</i> , 1999, 29, 575-585.	1.6	4
24	ADVANCED COMPUTATIONAL TECHNIQUES FOR DETAILED ANALYSIS OF FLOWS OVER FIXED AND ROTARY WING GEOMETRIES. , 1998, , 691-700.		0
25	Navier-Stokes/Full Potential/Free-Wake Method for Rotor Flows. <i>Journal of Aircraft</i> , 1997, 34, 635-640.	2.4	17
26	Numerical simulation of the flow about a swept wing with leading-edge ice accretions. <i>Computers and Fluids</i> , 1997, 26, 183-192.	2.5	12
27	Numerical simulation of viscous flow over rotors using a distributed computing strategy. <i>AIAA Journal</i> , 1996, 34, 2189-2191.	2.6	1
28	Unsteady aerodynamic characteristics of a dual-element airfoil. <i>Journal of Aircraft</i> , 1994, 31, 531-537.	2.4	11
29	Three-dimensional Navier-Stokes/full-potential coupled analysis for viscous transonic flow. <i>AIAA Journal</i> , 1993, 31, 1857-1862.	2.6	19
30	Viscous flow simulation of a fighter aircraft. <i>Journal of Aircraft</i> , 1992, 29, 886-891.	2.4	9
31	Stability of Hingeless Rotors in Hover Using Three-Dimensional Unsteady Aerodynamics. <i>Journal of the American Helicopter Society</i> , 1991, 36, 21-31.	0.8	23
32	Application of an efficient hybrid scheme for aeroelastic analysis of advanced propellers. <i>Journal of Propulsion and Power</i> , 1991, 7, 767-775.	2.2	14
33	Solutions of the Navier-Stokes Equations for the Flow About a Rotor Blade. <i>Journal of the American Helicopter Society</i> , 1989, 34, 13-23.	0.8	54