

Max F Platzer

List of Publications by Year in descending order

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56
papers

2,245
citations

394421

19
h-index

454955

30
g-index

61
all docs

61
docs citations

61
times ranked

1015
citing authors

#	ARTICLE	IF	CITATIONS
1	Flapping Wing Aerodynamics: Progress and Challenges. AIAA Journal, 2008, 46, 2136-2149.	2.6	438
2	Computational prediction of airfoil dynamic stall. Progress in Aerospace Sciences, 1998, 33, 759-846.	12.1	268
3	A review of progress and challenges in flapping foil power generation. Progress in Aerospace Sciences, 2014, 67, 2-28.	12.1	255
4	Numerical Analysis of an Oscillating-Wing Wind and Hydropower Generator. AIAA Journal, 2011, 49, 1374-1386.	2.6	132
5	Thrust generation due to airfoil flapping. AIAA Journal, 1996, 34, 324-331.	2.6	130
6	Computational Study of Flapping Airfoil Aerodynamics. Journal of Aircraft, 2000, 37, 514-520.	2.4	104
7	Numerical Simulation of Fully Passive Flapping Foil Power Generation. AIAA Journal, 2013, 51, 2727-2739.	2.6	93
8	Techno-economic feasibility of fleets of far offshore hydrogen-producing wind energy converters. International Journal of Hydrogen Energy, 2018, 43, 7266-7289.	7.1	84
9	Design and development considerations for biologically inspired flapping-wing micro air vehicles. Experiments in Fluids, 2009, 46, 799-810.	2.4	41
10	Characteristics of a Plunging Airfoil at Zero Freestream Velocity. AIAA Journal, 2001, 39, 531-534.	2.6	40
11	Transonic flutter computations for the NLR 7301 supercritical airfoil. Aerospace Science and Technology, 2001, 5, 293-304.	4.8	37
12	A computational study on the dynamic stall of a flapping airfoil. , 1998, , .		36
13	Analysis of Low-Speed Unsteady Airfoil Flows. , 2005, , .		35
14	Renewable Hydrogen Production Using Sailing Ships. Journal of Energy Resources Technology, Transactions of the ASME, 2014, 136, .	2.3	35
15	Control of backward-facing step flow using a flapping foil. Experiments in Fluids, 2002, 32, 44-54.	2.4	33
16	Experimental Investigation of the Aerodynamic Characteristics of Flapping-Wing Micro Air Vehicles. , 2003, , .		33
17	Optimization of Flapping Motion Parameters for Two Airfoils in a Biplane Configuration. Journal of Aircraft, 2009, 46, 583-592.	2.4	32
18	Aerodynamic analysis of flapping wing propulsion. , 1993, , .		31

#	ARTICLE	IF	CITATIONS
19	A Zonal Method For Unsteady, Viscous, Compressible Airfoil Flows. Journal of Fluids and Structures, 1994, 8, 107-123.	3.4	31
20	Numerical investigation of high incidence flow over a double-delta wing. Journal of Aircraft, 1995, 32, 457-463.	2.4	31
21	Aerodynamic characteristics of a canard-controlled missile at high angles of attack. Journal of Spacecraft and Rockets, 1994, 31, 766-772.	1.9	27
22	Control of High-Incidence Vortical Flow on Double-Delta Wings Undergoing Sideslip. Journal of Aircraft, 1997, 34, 506-513.	2.4	26
23	Adapting the zero-emission Graz Cycle for hydrogen combustion and investigation of its part load behavior. International Journal of Hydrogen Energy, 2018, 43, 5737-5746.	7.1	25
24	Development of a New Oscillating-Wing Wind and Hydropower Generator. , 2009, , .		21
25	Velocity measurements in an oscillating plane jet issuing into a moving air stream. Journal of Fluid Mechanics, 1978, 84, 33.	3.4	19
26	Experimental study of vortex flow control on double-delta wings using fillets. Journal of Aircraft, 1996, 33, 743-751.	2.4	18
27	Bio-Inspired Design of Flapping-Wing Micro Air Vehicles - An Engineer's Perspective (Invited). , 2006, , .		18
28	A Novel Approach to Extract Power From Free-Flowing Water and High Altitude Jet Streams. , 2009, , .		18
29	Addendum to "A review of progress and challenges in flapping foil power generation" [Prog. Aerosp. Sci., in press]. Progress in Aerospace Sciences, 2014, 67, 1.	12.1	17
30	Computational Study of Subsonic Flow over a Delta Canard-Wing-Body Configuration. Journal of Aircraft, 1998, 35, 554-560.	2.4	16
31	A Navier-Stokes Analysis of the Stall Flutter Characteristics of the Buffum Cascade. Journal of Turbomachinery, 2000, 122, 769-776.	1.7	16
32	Characteristics of a plunging airfoil at zero freestream velocity. AIAA Journal, 2001, 39, 531-534.	2.6	14
33	Experimental Investigation of Incompressible Flow Past Airfoils with Oscillating Jet Flaps. Journal of Aircraft, 1971, 8, 587-592.	2.4	11
34	Viscous-inviscid interaction method for unsteady low-speed airfoil flows. AIAA Journal, 1995, 33, 151-153.	2.6	11
35	COMPUTATIONAL SIMULATION OF DYNAMIC STALL ON THE NLR 7301 AIRFOIL. Journal of Fluids and Structures, 2000, 14, 779-798.	3.4	9
36	Numerical Investigation of Stall Flutter. , 1994, , .		8

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37	Prediction Methods for Jet V/STOL Propulsion Aerodynamics. Journal of Aircraft, 1978, 15, 69-77.	2.4	7
38	Effect of leading-edge extension fences on the vortex wake of an F/A-18 model. Journal of Aircraft, 1995, 32, 680-682.	2.4	7
39	A New Oscillating-Foil Power Generator for Sailingship-Based Renewable Energy Generation. , 2010, , .		6
40	On Optimal Oscillating-Foil Power Generation in Free and Constrained Flow. , 2016, , .		5
41	Design and development considerations for biologically inspired flapping-wing micro air vehicles. , 2010, , 237-248.		4
42	Adapting the Zero-Emission Graz Cycle for Hydrogen Combustion and Investigation of Its Part Load Behaviour. , 2016, , .		4
43	On the Navier-Stokes Calculation of Separation Bubbles With a New Transition Model. , 1996, , .		4
44	Flow around an Oscillating Tandem-Wing Power Generator. , 2015, , .		3
45	Experimental and Numerical Investigation of Flapping Wing Propulsion and its Application for Boundary Layer Control. , 1998, , .		2
46	Experimental and Computational Investigation of the Flow through an Oscillating-Wing Power Generator. , 2014, , .		2
47	Flapping-Wing Propelled Micro Air Vehicles. , 2015, , 1359-1383.		2
48	On the Calculation of Laminar Separation Bubbles Using Different Transition Models. , 1997, , .		2
49	A Navier-Stokes Analysis of the Stall Flutter Characteristics of the Buffum Cascade. , 2000, , .		1
50	Steady and Dynamic Stall Analysis of the NLR 7301 Airfoil. , 1999, , .		1
51	Numerical investigation of the stall onset behaviour of the GA(W)-1 airfoil. Computers and Fluids, 1998, 27, 681-687.	2.5	0
52	Aerodynamic Analysis of Flapping-Wing Propellers for HALE Aircraft. , 2009, , .		0
53	Special issue dedicated to Theodore von K�rm�n. Progress in Aerospace Sciences, 2013, 59, 1.	12.1	0
54	On the Numerical Difficulties in Calculating Laminar Separation Bubbles. , 2002, , .		0

#	ARTICLE	IF	CITATIONS
55	Numerical Investigation of Transonic Flutter and Modeling of Wind Tunnel Interference Effects. Fluid Mechanics and Its Applications, 2003, , 71-78.	0.2	0
56	The Energy Ship Concept. SpringerBriefs in Applied Sciences and Technology, 2021, , 33-36.	0.4	0