

Reynard de Vries

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

431
citations

1163117

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g-index

23
all docs

23
docs citations

23
times ranked

131
citing authors

#	ARTICLE	IF	CITATIONS
1	Preliminary Sizing Method for Hybrid-Electric Distributed-Propulsion Aircraft. Journal of Aircraft, 2019, 56, 2172-2188.	2.4	90
2	Aerodynamic interaction between propellers of a distributed-propulsion system in forward flight. Aerospace Science and Technology, 2021, 118, 107009.	4.8	48
3	Range Equation for Hybrid-Electric Aircraft with Constant Power Split. Journal of Aircraft, 2020, 57, 552-557.	2.4	33
4	Unsteady Pylon Loading Caused by Propeller-Slipstream Impingement for Tip-Mounted Propellers. Journal of Aircraft, 2018, 55, 1605-1618.	2.4	31
5	Conceptual Assessment of Hybrid Electric Aircraft with Distributed Propulsion and Boosted Turbofans. , 2019, , .		29
6	Preliminary Sizing of a Hybrid-Electric Passenger Aircraft Featuring Over-the-Wing Distributed-Propulsion. , 2019, , .		26
7	Aerodynamic Investigation of an Over-the-Wing Propeller for Distributed Propulsion. , 2018, , .		25
8	Alleviation of Propeller-Slipstream-Induced Unsteady Pylon Loading by a Flow-Permeable Leading Edge. Journal of Aircraft, 2019, 56, 1214-1230.	2.4	25
9	A Comparison of Hybrid-Electric Aircraft Sizing Methods. , 2020, , .		18
10	Engineering Method to Estimate the Blade Loading of Propellers in Nonuniform Flow. AIAA Journal, 2020, 58, 5332-5346.	2.6	17
11	Experimental Investigation of Over-the-Wing Propellerâ€œBoundary-Layer Interaction. AIAA Journal, 2021, 59, 2169-2182.	2.6	14
12	Synthesis of Aero-Propulsive Interaction Studies Applied to Conceptual Hybrid-Electric Aircraft Design. , 2020, , .		12
13	Aero-Propulsive Efficiency Requirements for Turboelectric Transport Aircraft. , 2020, , .		9
14	Aerodynamic Performance and Interaction Effects of Circular and Square Ducted Propellers. , 2020, , .		9
15	Aerodynamic Performance and Static Stability Characteristics of Aircraft with Tail-Mounted Propellers. Journal of Aircraft, 2022, 59, 415-432.	2.4	9
16	Cross-Validation of Hybrid-Electric Aircraft Sizing Methods. Journal of Aircraft, 2022, 59, 742-760.	2.4	9
17	A Preliminary Sizing Method for Hybrid-Electric Aircraft Including Aero-Propulsive Interaction Effects. , 2018, , .		7
18	Aerodynamic Performance of an Aircraft Equipped with Horizontal Tail Mounted Propellers. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Tractor Propeller-Pylon Interaction, Part II: Mitigation of Unsteady Pylon Loading by Application of Leading-Edge Porosity. , 2017, , .		4
20	Tractor Propeller-Pylon Interaction, Part I: Characterization of Unsteady Pylon Loading. , 2017, , .		3
21	Numerical Investigation of Propeller-Flap Interaction in Inclined Over-the-Wing Distributed-Propulsion Systems. , 2021, , .		3
22	Aerodynamic Performance Benefits of Over-the-Wing Distributed Propulsion for Hybrid-Electric Transport Aircraft. , 2022, , .		3
23	Aerodynamic Interaction Between an Over-the-Wing Propeller and the Wing Boundary-Layer in Adverse Pressure Gradients. , 2019, , .		2