Esteban Valencia

List of Publications by Year
in descending order

18 papers	97 citations	1684188 5 h-index	1474206 9 g-index
18 all docs	18 docs citations	18 times ranked	55 citing authors

#	Article	IF	Citations
1	Scale-Adaptive Simulation of Unsteady Cavitation Around a Naca66 Hydrofoil. Applied Sciences (Switzerland), 2019, 9, 3696.	2.5	16
2	Discretized Miller approach to assess effects on boundary layer ingestion induced distortion. Chinese Journal of Aeronautics, 2017, 30, 235-248.	5.3	15
3	Novel fan configuration for distributed propulsion systems with boundary layer ingestion on an hybrid wing body airframe. Thermal Science and Engineering Progress, 2020, 18, 100515.	2.7	10
4	Propulsion Sizing Correlations for Electrical and Fuel Powered Unmanned Aerial Vehicles. Aerospace, 2021, 8, 171.	2.2	9
5	Design point analysis of a distributed propulsion system with boundary layer ingestion implemented in UAV's for agriculture in the Andean region. , 2016, , .		6
6	Reconstruction methodology of a Francis runner blade using numerical tools. Journal of Mechanical Science and Technology, 2020, 34, 1237-1247.	1.5	6
7	Design point analysis of the turbofan-driven turboelectric distributed propulsion system with boundary layer ingestion. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 1139-1149.	1.3	5
8	Wetland Monitoring Using Unmanned Aerial Vehicles with Electrical Distributed Propulsion Systems. , 0, , .		5
9	Methodology for Weight and Performance Assessment of an UAV for Precision Agriculture at Cruise Condition. , 2017, , .		4
10	A CAD-free methodology for volume and mass properties computation of 3-D lifting surfaces and wing-box structures. Aerospace Science and Technology, 2021, 108, 106378.	4.8	4
11	Evaluation of Series and Parallel Hybrid Propulsion Systems for UAVs Implementing Distributed Propulsion Architectures. Aerospace, 2022, 9, 63.	2.2	4
12	Wetland monitoring technification for the Ecuadorian Andean region based on a multi-agent framework. Heliyon, 2022, 8, e09054.	3.2	4
13	A Case Study: Sediment Erosion in Francis Turbines Operated at the San Francisco Hydropower Plant in Ecuador. Energies, 2022, 15, 8.	3.1	4
14	Methodology for the Assessment of Distributed Propulsion Configurations with Boundary Layer Ingestion Using the Discretized Miller Approach. International Review of Aerospace Engineering, 2017, 10, 174.	0.3	3
15	Innovative Propulsion Systems and CFD Simulation for Fixed Wings UAVs. , 2017, , .		2
16	Development of a Programming Code for Image Processing of Nodular Cast Iron. Advances in Intelligent Systems and Computing, 2020, , 327-334.	0.6	0
17	Study of Partial Cavitation on a Plane-Convex Hydrofoil With Mesh Development by Using GMSH Free Software. , 2015, , .		0
18	Test-bench Development for the Efficiency Analysis of UAV Motor-Propeller Sets. , 2021, , .		0