Hidalgo Victor

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9446893/publications.pdf

Version: 2024-02-01

39	194	1163117 8	1199594 12
papers	citations	h-index	g-index

40	40	40	127
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Implicit large eddy simulation of unsteady cloud cavitation around a plane-convex hydrofoil. Journal of Hydrodynamics, 2015, 27, 815-823.	3.2	26
2	Scale-Adaptive Simulation of Unsteady Cavitation Around a Naca66 Hydrofoil. Applied Sciences (Switzerland), 2019, 9, 3696.	2.5	16
3	Discretized Miller approach to assess effects on boundary layer ingestion induced distortion. Chinese Journal of Aeronautics, 2017, 30, 235-248.	5.3	15
4	Cavitation Simulation with Consideration of the Viscous Effect at Large Liquid Temperature Variation. Chinese Physics Letters, 2014, 31, 086401.	3.3	14
5	Unsteady numerical analysis of the liquid-solid two-phase flow around a step using Eulerian-Lagrangian and the filter-based RANS method. Journal of Mechanical Science and Technology, 2017, 31, 2781-2790.	1.5	11
6	New Expressions to Apply the Variation Operation Strategy in Engineering Tools Using Pumps Working as Turbines. Mathematics, 2021, 9, 860.	2.2	11
7	Propulsion Sizing Correlations for Electrical and Fuel Powered Unmanned Aerial Vehicles. Aerospace, 2021, 8, 171.	2.2	9
8	Numerical investigation of unsteady cavitation around a NACA 66 hydrofoil using OpenFOAM. IOP Conference Series: Earth and Environmental Science, 2014, 22, 052013.	0.3	8
9	Wetland monitoring through the deployment of an autonomous aerial platform. IOP Conference Series: Earth and Environmental Science, 2020, 432, 012002.	0.3	7
10	Analysis of Applicability of CFD Numerical Studies Applied to Problem When Pump Working as Turbine. Water (Switzerland), 2021, 13, 2134.	2.7	7
11	A Feed-Forward Backpropagation Neural Network Method for Remaining Useful Life Prediction of Francis Turbines. , 0, , .		7
12	Numerical study of unsteady cavitation on 2D NACA0015 hydrofoil using free/open source software. Science Bulletin, 2014, 59, 3276-3282.	1.7	6
13	Design point analysis of a distributed propulsion system with boundary layer ingestion implemented in UAV's for agriculture in the Andean region. , 2016, , .		6
14	Numerical simulation of cavitation erosion on a NACA0015 hydrofoil based on bubble collapse strength. Journal of Physics: Conference Series, 2015, 656, 012050.	0.4	5
15	Parametric study of aerodynamic integration issues in highly coupled Blended Wing Body configurations implemented in UAVs. , 2018, , .		5
16	Weight assessment for a blended wing Body-Unmanned aerial vehicle implementing boundary layer ingestion. IOP Conference Series: Materials Science and Engineering, 2018, 383, 012068.	0.6	5
17	Experimental study of liquid-solid two phase flow over a step using PIV. IOP Conference Series: Materials Science and Engineering, 2016, 129, 012054.	0.6	4
18	Methodology for Weight and Performance Assessment of an UAV for Precision Agriculture at Cruise Condition. , 2017, , .		4

#	Article	IF	Citations
19	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
20	Parametric study of a horizontal axis wind turbine with similar characteristics to those of the Villonaco wind power plant. Journal of Applied Research in Technology & Engineering, 2021, 2, 51.	0.8	4
21	Wetland monitoring technification for the Ecuadorian Andean region based on a multi-agent framework. Heliyon, 2022, 8, e09054.	3.2	4
22	Parametric modelling for aerodynamic assessment of a fixed wing UAV implemented for Site Specific Management. , 2018, , .		3
23	Innovative Propulsion Systems and CFD Simulation for Fixed Wings UAVs. , 2017, , .		2
24	Numerical simulation of the cavitation microâ€“jet velocity and erosion on a planeâ€“convex hydrofoil with semicylindrical obstacle. IOP Conference Series: Earth and Environmental Science, 2019, 240, 062018.	0.3	2
25	Experimental Performance Assessment of an Electric UAV with an Alternative Distributed Propulsion Configuration Implemented for Wetland Monitoring. , 2019, , .		2
26	Numerical Simulation of Cavitating Flow Over 2D Hydrofoil Using OpenFOAM Adapted for Debian Operating System With LXDE Based in Kernel GNU/Linux. , 2014, , .		1
27	Parametric optimization to reduce erosion in a Francis turbine runner. IOP Conference Series: Earth and Environmental Science, 2019, 240, 022041.	0.3	1
28	Aeropropulsive Evaluation of Boundary Layer Ingestion for Medium Electric-Powered UAVs. , 2020, , .		1
29	Aerodynamic design and testing of a Ram Air Turbine for Small Fixed-Wing UAVs. , 2020, , .		1
30	EVALUATION OF VELOCITY VARIATION IN A CHUTE AS A FUNCTION OF ROUGHNESS. Journal of Mechanical Engineering Research and Developments (discontinued), 2018, 41, 01-04.	0.7	1
31	Application of Vortex Process to Cleaner Energy Generation. Applied Mechanics and Materials, 2011, 71-78, 2196-2203.	0.2	0
32	Bearing fault diagnosis based on ensemble empirical mode decomposition and teager energy operator. , 2017, , .		0
33	Development of a Programming Code for Image Processing of Nodular Cast Iron. Advances in Intelligent Systems and Computing, 2020, , 327-334.	0.6	0
34	Estudio de tecnologÃas innovadoras para sistemas de propulsiÃ³n en aeronaves.. Ingenius: Revista De Ciencia Y TecnologÃa, 2015, , .	0.1	0
35	Study of Partial Cavitation on a Plane-Convex Hydrofoil With Mesh Development by Using GMSH Free Software. , 2015, , .		0
36	Estudio paramÃ©trico para optimizaciÃ³n de un generador de hielo tubular de laboratorio. Ingenius: Revista De Ciencia Y TecnologÃa, 2020, , 86-96.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Assess the use of Solar Dryer with Photonic Solar Reflectors and PCMs in Farming Products in the Andean Region. , 0, , .		0
38	Characterization of Energy Vectors, in Solar Water Heaters with PCMs for Social Interest Housing. , 0, , .		0
39	Numerical Study of the Cavitating Flow through a Venturi Section by Means of OpenFOAM and Gmsh Tool. , 0, , .		0