

Mojtaba Dehghan-Manshadi

List of Publications by Year in descending order

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39
papers

540
citations

840776

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h-index

677142

22
g-index

39
all docs

39
docs citations

39
times ranked

357
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural ventilation characteristics of one-sided wind catchers: experimental and analytical evaluation. <i>Energy and Buildings</i> , 2013, 61, 366-377.	6.7	59
2	An experimental study on the evaluation of natural ventilation performance of a two-sided wind-catcher for various wind angles. <i>Renewable Energy</i> , 2016, 85, 1068-1078.	8.9	56
3	Numerical and experimental investigation of the fluid flow on a full-scale pump jet thruster. <i>Ocean Engineering</i> , 2019, 182, 527-539.	4.3	54
4	Introducing and evaluation of a new propulsion system composed of solid oxide fuel cell and downstream cycles; usage in Unmanned Aerial Vehicles. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 13693-13709.	7.1	45
5	Visualized flow structure around and inside of one-sided wind-catchers. <i>Energy and Buildings</i> , 2012, 55, 545-552.	6.7	35
6	A smoke visualization study of the flow over a square cylinder at incidence and tandem square cylinders. <i>Journal of Visualization</i> , 2015, 18, 687-703.	1.8	32
7	Energy production and storage from a polygeneration system based on parabolic trough solar collector, proton exchange membrane fuel cell, organic Rankine cycle, and alkaline electrolyzer. <i>Journal of Energy Storage</i> , 2022, 47, 103635.	8.1	28
8	Experimental investigation of hydrodynamic characteristics of a submersible vehicle model with a non-axisymmetric nose in pitch maneuver. <i>Ocean Engineering</i> , 2015, 100, 26-34.	4.3	26
9	Experimental investigation on turbulence intensity reduction in subsonic wind tunnels. <i>Aerospace Science and Technology</i> , 2011, 15, 137-147.	4.8	25
10	Nose shape effect on the visualized flow field around an axisymmetric body of revolution at incidence. <i>Journal of Visualization</i> , 2015, 18, 83-93.	1.8	15
11	Performance evaluation of two proton exchange membrane and alkaline fuel cells for use in UAVs by investigating the effect of operating altitude. <i>International Journal of Energy Research</i> , 0, , .	4.5	14
12	Experimental investigation of the effect of bow profiles on resistance of an underwater vehicle in free surface motion. <i>Journal of Marine Science and Application</i> , 2015, 14, 53-60.	1.7	13
13	Experimental study of flow field distribution over a generic cranked double delta wing. <i>Chinese Journal of Aeronautics</i> , 2016, 29, 1196-1204.	5.3	12
14	Optimizing a Two-Element Wing Model with Morphing Flap by Means of the Response Surface Method. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2017, 41, 343-352.	1.3	12
15	Effect of vortex generators on hydrodynamic behavior of an underwater axisymmetric hull at high angles of attack. <i>Journal of Visualization</i> , 2017, 20, 559-579.	1.8	11
16	Investigation of the aerodynamic performance and flow physics on cross sections of Dragonfly wing on flapping and pitching motion in low Reynolds number. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 589-603.	1.3	11
17	Optimization of a subsonic wind tunnel nozzle with low contraction ratio via ball-spine inverse design method. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 2059-2067.	1.5	10
18	Optimization of slot geometry in shock wave boundary layer interaction phenomenon by using CFD-ANN-GA cycle. <i>Aerospace Science and Technology</i> , 2017, 71, 163-171.	4.8	8

#	ARTICLE	IF	CITATIONS
19	Designing a fuzzy logic controller for the Reynolds number in a blowdown supersonic wind tunnel. , 2014, , .		7
20	Numerical evaluation of passive control of shock wave/boundary layer interaction on NACA0012 airfoil using jagged wall. Acta Mechanica Sinica/Lixue Xuebao, 2016, 32, 792-804.	3.4	7
21	A New Approach about Heat Transfer of Hot-Wire Anemometer. Applied Mechanics and Materials, 2012, 232, 747-751.	0.2	6
22	Geometry optimization of the diffuser for the supersonic wind tunnel using genetic algorithm and adaptive mesh refinement technique. Aerospace Science and Technology, 2014, 36, 64-74.	4.8	6
23	Experimental investigation of flowfield over an iced aerofoil. Aeronautical Journal, 2016, 120, 735-756.	1.6	6
24	The Sitnikov Problem Investigation with the Method of Multiple Scales. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 1471-1477.	1.5	6
25	Experimental investigation of propeller slipstream effects on the wing aerodynamics and boundary layer treatment at low Reynolds number. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 3033-3041.	1.3	6
26	The Importance of Turbulence Reduction in Assessment of Wind Tunnel Flow Quality. , 0, , .		5
27	Computational aerodynamic optimization of wing-design concept at supersonic conditions by means of the response surface method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	4
28	Experimental study on correlation between turbulence and sound in a subsonic wind tunnel. Acta Mechanica Sinica/Lixue Xuebao, 2010, 26, 531-539.	3.4	3
29	Effects of bulbous bow on cross-flow vortex structures around a streamlined submersible body at intermediate pitch maneuver: A numerical investigation. Journal of Marine Science and Application, 2016, 15, 8-15.	1.7	3
30	Numerical investigation on the weight, speed, and installation location effects on fuel tank separation trajectory. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 2331-2344.	1.3	3
31	Streamlined bodies drag force estimation using wake integration technique. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	3
32	Control of separation in the concave portion of contraction to improve the flow quality. Aeronautical Journal, 2009, 113, 177-182.	1.6	2
33	A fuzzy genetic approach for velocity estimation in wind-tunnel. Soft Computing, 2019, 23, 3519-3527.	3.6	2
34	Boundary layer and surface pressure distributions behavior over a submarine nose model with two different nose shapes. Scientia Iranica, 2019, .	0.4	2
35	Turbulent Reduction in a Wind Tunnel Using Trip Strip. , 2004, , 827.		1
36	An Innovative Genetic Algorithm Approach for Direct Calibration of X-Probe Hot Wires. Experimental Techniques, 2012, 36, 50-60.	1.5	1

#	ARTICLE	IF	CITATIONS
37	Experimental and numerical study of wing boundary layer behavior in propeller flowfield. Journal of Visualization, 2019, 22, 489-503.	1.8	1
38	Investigation of Transient Shock Wave in Supersonic Wind Tunnel. Applied Mechanics and Materials, 0, 232, 228-233.	0.2	0
39	Effects of Splitting Airfoil's Aspect Ratio on the Control of Separation and Loss Distribution in a Distortion Generator. International Journal of Aerospace Engineering, 2022, 2022, 1-20.	0.9	0