

George P Papadakis

List of Publications by Year in descending order

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42
papers

416
citations

759233

12
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839539

18
g-index

46
all docs

46
docs citations

46
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of trailing edge shape on the separated flow characteristics around an airfoil at low Reynolds number: A numerical study. <i>Physics of Fluids</i> , 2017, 29, .	4.0	49
2	Experimental and computational analysis of stall cells on rectangular wings. <i>Wind Energy</i> , 2014, 17, 939-955.	4.2	36
3	Experimental benchmark and code validation for airfoils equipped with passive vortex generators. <i>Journal of Physics: Conference Series</i> , 2016, 753, 022002.	0.4	23
4	Free-Surface Effects on the Performance of Flapping-Foil Thruster for Augmenting Ship Propulsion in Waves. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 357.	2.6	21
5	In view of accelerating CFD simulations through coupling with vortex particle approximations. <i>Journal of Physics: Conference Series</i> , 2014, 524, 012126.	0.4	20
6	CFD code comparison for 2D airfoil flows. <i>Journal of Physics: Conference Series</i> , 2016, 753, 082019.	0.4	19
7	Aeroelastic large eddy simulations using vortex methods: unfrozen turbulent and sheared inflow. <i>Journal of Physics: Conference Series</i> , 2015, 625, 012019.	0.4	16
8	An experimental and numerical investigation on the formation of stall-cells on airfoils. <i>Journal of Physics: Conference Series</i> , 2014, 555, 012068.	0.4	15
9	A strongly coupled Eulerian Lagrangian method verified in 2D external compressible flows. <i>Computers and Fluids</i> , 2019, 195, 104325.	2.5	15
10	Assessment of transition modeling for high Reynolds flows. <i>Aerospace Science and Technology</i> , 2019, 85, 416-428.	4.8	15
11	Revisiting the assumptions and implementation details of the BAY model for vortex generator flows. <i>Renewable Energy</i> , 2020, 146, 1249-1261.	8.9	15
12	Summary of the Blind Test Campaign to predict the High Reynolds number performance of DU00-W-210 airfoil. , 2017, , .		14
13	A Coupled Artificial Compressibility Method for Free Surface Flows. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 590.	2.6	14
14	Numerical and Experimental Investigation of the Performance of Dynamic Wing for Augmenting Ship Propulsion in Head and Quartering Seas. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 24.	2.6	13
15	Hydro-Servo-Aero-Elastic Analysis of Floating Offshore Wind Turbines. <i>Fluids</i> , 2020, 5, 200.	1.7	12
16	Assessment of the CFD capabilities to predict aerodynamic flows in presence of VG arrays. <i>Journal of Physics: Conference Series</i> , 2014, 524, 012029.	0.4	9
17	Investigation of the three-dimensional flow past a flatback wind turbine airfoil at high angles of attack. <i>Physics of Fluids</i> , 2021, 33, .	4.0	9
18	Numerical and experimental analysis of the hydroelastic behavior of purse seine nets. <i>Ocean Engineering</i> , 2013, 58, 88-105.	4.3	8

#	ARTICLE	IF	CITATIONS
19	Computing the flow past Vortex Generators: Comparison between RANS Simulations and Experiments. Journal of Physics: Conference Series, 2016, 753, 022014.	0.4	8
20	Ship Bow Wings with Application to Trim and Resistance Control in Calm Water and in Waves. Journal of Marine Science and Engineering, 2022, 10, 492.	2.6	8
21	Exploiting the limit of BEM solvers in moonpool type floaters. Journal of Physics: Conference Series, 2020, 1618, 052059.	0.4	7
22	Validation of a cost effective method for the rotor-obstacle interaction. Aerospace Science and Technology, 2021, 113, 106698.	4.8	6
23	The flow past a flatback airfoil with flow control devices: benchmarking numerical simulations against wind tunnel data. Wind Energy Science, 2020, 5, 911-927.	3.3	6
24	Investigating the Level of Fidelity of an Actuator Line Model in Predicting Loads and Deflections of Rotating Blades under Uniform Free-Stream Flow. Applied Sciences (Switzerland), 2021, 11, 12097.	2.5	6
25	Results of the AVATAR project for the validation of 2D aerodynamic models with experimental data of the DU95W180 airfoil with unsteady flap. Journal of Physics: Conference Series, 2016, 753, 022006.	0.4	5
26	Study of Drag Reduction Devices on a Flatback Airfoil. , 2016, , .		5
27	Simulation of oscillating trailing edge flaps on wind turbine blades using ranging fidelity tools. Wind Energy, 2021, 24, 357-378.	4.2	5
28	A High-Lift Optimization Methodology for the Design of Leading and Trailing Edges on Morphing Wings. Applied Sciences (Switzerland), 2021, 11, 2822.	2.5	5
29	Hydrodynamics of Moonpool-Type Floaters: A Theoretical and a CFD Formulation. Energies, 2022, 15, 570.	3.1	5
30	Effects of viscosity and nonlinearity on 3D flapping-foil thruster for marine applications. , 2019, , .		4
31	Mixed-Fidelity Design Optimization of Hull Form Using CFD and Potential Flow Solvers. Journal of Marine Science and Engineering, 2021, 9, 1234.	2.6	4
32	Development of a fluid structure interaction tool based on an actuator line model. Journal of Physics: Conference Series, 2020, 1618, 052072.	0.4	3
33	Numerical Simulation of Irregular Breaking Waves Using a Coupled Artificial Compressibility Method. Fluids, 2022, 7, 235.	1.7	3
34	A hybrid Lagrangian-Eulerian flow solver applied to elastically mounted cylinders in tandem arrangement. Journal of Fluids and Structures, 2022, 113, 103686.	3.4	3
35	Assessment of the aerodynamic characteristics of thick airfoils in high Reynolds and moderate Ma numbers using CFD modeling. Journal of Physics: Conference Series, 2014, 524, 012015.	0.4	2
36	Revising of the Near Ground Helicopter Hover: The Effect of Ground Boundary Layer Development. Applied Sciences (Switzerland), 2021, 11, 9935.	2.5	2

#	ARTICLE	IF	CITATIONS
37	CFD aerodynamic analysis of non-conventional airfoil sections for very large rotor blades. Journal of Physics: Conference Series, 2014, 555, 012104.	0.4	1
38	DES vs RANS: The flatback airfoil case. Journal of Physics: Conference Series, 2020, 1618, 052062.	0.4	1
39	A strongly coupled Eulerian Lagrangian method applied in unsteady 3D external flows around Wind Turbine rotors. Journal of Physics: Conference Series, 2022, 2265, 032008.	0.4	1
40	On the combined use of Vortex Generators and Gurney Flaps for turbine airfoils. Journal of Physics: Conference Series, 2022, 2265, 032040.	0.4	1
41	On the Application of the Bay Model for Vortex Generator Flows. , 2018, , .		0
42	Study of the influence of oscillating trailing edge flaps on the AVATAR rotor using CFD simulations. Journal of Physics: Conference Series, 2018, 1037, 062024.	0.4	0