

George P Papadakis

List of Publications by Year in descending order

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42
papers

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759233

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46
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46
docs citations

46
times ranked

262
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamics of Moonpool-Type Floaters: A Theoretical and a CFD Formulation. <i>Energies</i> , 2022, 15, 570.	3.1	5
2	Ship Bow Wings with Application to Trim and Resistance Control in Calm Water and in Waves. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 492.	2.6	8
3	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
4	A strongly coupled Eulerian Lagrangian method applied in unsteady 3D external flows around Wind Turbine rotors. <i>Journal of Physics: Conference Series</i> , 2022, 2265, 032008.	0.4	1
5	On the combined use of Vortex Generators and Gurney Flaps for turbine airfoils. <i>Journal of Physics: Conference Series</i> , 2022, 2265, 032040.	0.4	1
6	Numerical Simulation of Irregular Breaking Waves Using a Coupled Artificial Compressibility Method. <i>Fluids</i> , 2022, 7, 235.	1.7	3
7	A hybrid Lagrangian–Eulerian flow solver applied to elastically mounted cylinders in tandem arrangement. <i>Journal of Fluids and Structures</i> , 2022, 113, 103686.	3.4	3
8	Simulation of oscillating trailing edge flaps on wind turbine blades using ranging fidelity tools. <i>Wind Energy</i> , 2021, 24, 357-378.	4.2	5
9	A High-Lift Optimization Methodology for the Design of Leading and Trailing Edges on Morphing Wings. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2822.	2.5	5
10	Validation of a cost effective method for the rotor-obstacle interaction. <i>Aerospace Science and Technology</i> , 2021, 113, 106698.	4.8	6
11	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
12	Revising of the Near Ground Helicopter Hover: The Effect of Ground Boundary Layer Development. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9935.	2.5	2
13	Mixed-Fidelity Design Optimization of Hull Form Using CFD and Potential Flow Solvers. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1234.	2.6	4
14	Investigating the Level of Fidelity of an Actuator Line Model in Predicting Loads and Deflections of Rotating Blades under Uniform Free-Stream Flow. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12097.	2.5	6
15	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
16	Hydro-Servo-Aero-Elastic Analysis of Floating Offshore Wind Turbines. <i>Fluids</i> , 2020, 5, 200.	1.7	12
17	A Coupled Artificial Compressibility Method for Free Surface Flows. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 590.	2.6	14
18	Exploiting the limit of BEM solvers in moonpool type floaters. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 052059.	0.4	7

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19	Development of a fluid structure interaction tool based on an actuator line model. Journal of Physics: Conference Series, 2020, 1618, 052072.	0.4	3
20	DES vs RANS: The flatback airfoil case. Journal of Physics: Conference Series, 2020, 1618, 052062.	0.4	1
21	Free-Surface Effects on the Performance of Flapping-Foil Thruster for Augmenting Ship Propulsion in Waves. Journal of Marine Science and Engineering, 2020, 8, 357.	2.6	21
22	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
23	A strongly coupled Eulerian Lagrangian method verified in 2D external compressible flows. Computers and Fluids, 2019, 195, 104325.	2.5	15
24	Effects of viscosity and nonlinearity on 3D flapping-foil thruster for marine applications. , 2019, , .		4
25	Assessment of transition modeling for high Reynolds flows. Aerospace Science and Technology, 2019, 85, 416-428.	4.8	15
26	On the Application of the Bay Model for Vortex Generator Flows. , 2018, , .		0
27	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
28	Summary of the Blind Test Campaign to predict the High Reynolds number performance of DU00-W-210 airfoil. , 2017, , .		14
29	Effect of trailing edge shape on the separated flow characteristics around an airfoil at low Reynolds number: A numerical study. Physics of Fluids, 2017, 29, .	4.0	49
30	Computing the flow past Vortex Generators: Comparison between RANS Simulations and Experiments. Journal of Physics: Conference Series, 2016, 753, 022014.	0.4	8
31	Experimental benchmark and code validation for airfoils equipped with passive vortex generators. Journal of Physics: Conference Series, 2016, 753, 022002.	0.4	23
32	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
33	CFD code comparison for 2D airfoil flows. Journal of Physics: Conference Series, 2016, 753, 082019.	0.4	19
34	Study of Drag Reduction Devices on a Flatback Airfoil. , 2016, , .		5
35	Aeroelastic large eddy simulations using vortex methods: unfrozen turbulent and sheared inflow. Journal of Physics: Conference Series, 2015, 625, 012019.	0.4	16
36	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

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37	Experimental and computational analysis of stall cells on rectangular wings. Wind Energy, 2014, 17, 939-955.	4.2	36
38	Assessment of the CFD capabilities to predict aerodynamic flows in presence of VG arrays. Journal of Physics: Conference Series, 2014, 524, 012029.	0.4	9
39	In view of accelerating CFD simulations through coupling with vortex particle approximations. Journal of Physics: Conference Series, 2014, 524, 012126.	0.4	20
40	An experimental and numerical investigation on the formation of stall-cells on airfoils. Journal of Physics: Conference Series, 2014, 555, 012068.	0.4	15
41	CFD aerodynamic analysis of non-conventional airfoil sections for very large rotor blades. Journal of Physics: Conference Series, 2014, 555, 012104.	0.4	1
42	Numerical and experimental analysis of the hydroelastic behavior of purse seine nets. Ocean Engineering, 2013, 58, 88-105.	4.3	8