Enrico Nobile

List of Publications by Year
in descending order

37 papers	**978** citations	567281 **15** h-index	454955 **30** g-index
37 all docs	**37** docs citations	**37** times ranked	**838** citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical analysis of thermo-fluid problems in 3D domains by means of the RBF-FD meshless method. Journal of Physics: Conference Series, 2022, 2177, 012007.	0.4	1
2	A Fully Meshless Approach to the Numerical Simulation of Heat Conduction Problems over Arbitrary 3D Geometries. Energies, 2021, 14, 1351.	3.1	9
3	Propagation of geometric uncertainties in heat transfer problems solved by RBF-FD meshless method. Journal of Physics: Conference Series, 2021, 1868, 012021.	0.4	0
4	Node generation in complex 3D domains for heat conduction problems solved by RBF-FD meshless method. Journal of Physics: Conference Series, 2021, 2116, 012020.	0.4	1
5	Numerical analysis of advection-diffusion problems on 2D general-shaped domains by means of a RBF Collocation Meshless Method. Journal of Physics: Conference Series, 2019, 1224, 012013.	0.4	0
6	Novel multilevel techniques for convergence acceleration in the solution of systems of equations arising from RBF-FD meshless discretizations. Journal of Computational Physics, 2019, 392, 311-334.	3.8	13
7	Solution of incompressible fluid flow problems with heat transfer by means of an efficient RBF-FD meshless approach. Numerical Heat Transfer, Part B: Fundamentals, 2019, 75, 19-42.	0.9	19
8	Numerical simulations of a cavitating propeller in uniform and oblique flow. International Shipbuilding Progress, 2019, 66, 77-90.	0.4	3
9	Detailed Analysis of Flow in Two Pelton Turbines with Efficiency and Cavitation Prediction. International Journal of Fluid Machinery and Systems, 2019, 12, 388-399.	0.2	4
10	Two algorithms for fast 2D node generation: Application to RBF meshless discretization of diffusion problems and image halftoning. Computers and Mathematics With Applications, 2018, 75, 4305-4321.	2.7	18
11	Numerical Prediction of Cavitating Vortex Rope in a Draft Tube of a Francis Turbine with Standard and Calibrated Cavitation Model. Journal of Physics: Conference Series, 2017, 813, 012045.	0.4	3
12	Numerical analysis of heat conduction problems on 3D general-shaped domains by means of a RBF Collocation Meshless Method. Journal of Physics: Conference Series, 2017, 923, 012034.	0.4	3
13	Numerical investigation of the flow in axial water turbines and marine propellers with scale-resolving simulations. Journal of Physics: Conference Series, 2015, 655, 012052.	0.4	2
14	Numerical predictions of the turbulent cavitating flow around a marine propeller and an axial turbine. Journal of Physics: Conference Series, 2015, 656, 012066.	0.4	1
15	Numerical simulation of flow in a high head Francis turbine with prediction of efficiency, rotor stator interaction and vortex structures in the draft tube. Journal of Physics: Conference Series, 2015, 579, 012006.	0.4	12
16	High resolution X-ray microtomography-based CFD simulation for the characterization of flow permeability and effective thermal conductivity of aluminum metal foams. Experimental Thermal and Fluid Science, 2015, 67, 30-36.	2.7	47
17	modeFRONTIER for Virtual Design and Optimization of Compact Heat Exchangers. , 2014, , .		4
18	On the effective thermal conductivity of metal foams. Journal of Physics: Conference Series, 2014, 547, 012021.	0.4	13

#	Article	IF	Citations
19	Multi-objective shape optimization of a tube bundle in cross-flow. International Journal of Heat and Mass Transfer, 2014, 68, 585-598.	4.8	38
20	High resolution microtomography-based CFD simulation of flow andÂheat transfer in aluminum metal foams. Applied Thermal Engineering, 2014, 69, 230-240.	6.0	118
21	Microtomography-based CFD Analysis of Transport in Open-Cell Aluminum Metal Foams. Journal of Physics: Conference Series, 2014, 501, 012021.	0.4	6
22	Simulation of Sheet and Cloud Cavitation with Homogenous Transport Models. International Journal of Simulation Modelling, 2013, 12, 94-106.	1.3	18
23	Numerical Predictions of Cavitating Flow around Model Scale Propellers by CFD and Advanced Model Calibration. International Journal of Rotating Machinery, 2012, 2012, 1-11.	0.8	36
24	Influence of grid type and turbulence model on the numerical prediction of the flow around marine propellers working in uniform inflow. Ocean Engineering, 2012, 42, 26-34.	4.3	65
25	Comparison of mass transfer models for the numerical prediction of sheet cavitation around a hydrofoil. International Journal of Multiphase Flow, 2011, 37, 620-626.	3.4	149
26	Estimation of Heat Flux Distribution in a Continuous Casting Mould by Inverse Heat Transfer Algorithms. , 2011, , .		6
27	Experimental investigation of steam pressure coffee extraction in a stove-top coffee maker. Applied Thermal Engineering, 2009, 29, 998-1004.	6.0	40
28	Multi-objective Optimization for Problems Involving Convective Heat Transfer. , 2008, , 217-266.		5
29	Geometric Parameterization and Multiobjective Shape Optimization of Convective Periodic Channels. Numerical Heat Transfer, Part B: Fundamentals, 2006, 50, 425-453.	0.9	31
30	Natural convection in a 2D-cavity with vertical isothermal walls: Cross-validation of two numerical solutions. International Journal of Thermal Sciences, 2006, 45, 917-922.	4.9	12
31	Multi-Objective Shape Optimization of Convective Wavy Channels. , 2005, , 829.		1
32	Direct numerical simulation of heat transfer over riblets. International Journal of Heat and Fluid Flow, 2003, 24, 356-371.	2.4	49
33	Direct numerical simulation of turbulent heat transfer in a square duct. International Journal of Numerical Methods for Heat and Fluid Flow, 2002, 12, 658-686.	2.8	14
34	DNS study of turbulent transport at low Prandtl numbers in a channel flow. Journal of Fluid Mechanics, 2002, 458, 419-441.	3.4	50
35	Numerical analysis of fluid flow and heat transfer in periodic wavy channels. International Journal of Heat and Fluid Flow, 2001, 22, 156-167.	2.4	112
36	SIMULATION OF TIME-DEPENDENT FLOW IN CAVITIES WITH THE ADDITIVE-CORRECTION MULTIGRID METHOD, PART II: APPLICATIONS. Numerical Heat Transfer, Part B: Fundamentals, 1996, 30, 351-370.	0.9	13

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37	Physical and numerical modelling of a solar chimney-based ventilation system for buildings. Building and Environment, 1992, 27, 433-445.	6.9	62