

Enrico Napoli

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

310
citations

12
h-index

17
g-index

20
ext. papers

386
ext. citations

3
avg, IF

3.62
L-index

#	Paper	IF	Citations
20	Effects of irregular two-dimensional and three-dimensional surface roughness in turbulent channel flows. <i>International Journal of Heat and Fluid Flow</i> , 2012 , 36, 7-17	2.4	37
19	Numerical observations of turbulence structure modification in channel flow over 2D and 3D rough walls. <i>International Journal of Heat and Fluid Flow</i> , 2015 , 56, 108-123	2.4	35
18	Effect of the Junction Angle on Turbulent Flow at a Hydraulic Confluence. <i>Water (Switzerland)</i> , 2018 , 10, 469	3	35
17	Effects of roughness on particle dynamics in turbulent channel flows: a DNS analysis. <i>Journal of Fluid Mechanics</i> , 2014 , 739, 465-478	3.7	32
16	A coupled Finite Volume Smoothed Particle Hydrodynamics method for incompressible flows. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 310, 674-693	5.7	26
15	Implementation of pressure reduction valves in a dynamic water distribution numerical model to control the inequality in water supply. <i>Journal of Hydroinformatics</i> , 2014 , 16, 207-217	2.6	23
14	Modelling of E. coli distribution in coastal areas subjected to combined sewer overflows. <i>Water Science and Technology</i> , 2013 , 68, 1123-36	2.2	19
13	Three-dimensional numerical simulations on wind- and tide-induced currents: The case of Augusta Harbour (Italy). <i>Computers and Geosciences</i> , 2014 , 72, 65-75	4.5	17
12	Wind- and tide-induced currents in the Stagnone lagoon (Sicily). <i>Environmental Fluid Mechanics</i> , 2012 , 12, 81-100	2.2	15
11	Numerical simulation of internal boundary-layer development and comparison with atmospheric data. <i>Boundary-Layer Meteorology</i> , 2007 , 123, 159-175	3.4	13
10	Three-dimensional numerical simulation of wind-driven flows in closed channels and basins. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2005 , 43, 290-301	1.9	13
9	Inflow/outflow pressure boundary conditions for smoothed particle hydrodynamics simulations of incompressible flows. <i>Computers and Fluids</i> , 2017 , 159, 9-22	2.8	12
8	PANORMUS-SPH. A new Smoothed Particle Hydrodynamics solver for incompressible flows. <i>Computers and Fluids</i> , 2015 , 106, 185-195	2.8	11
7	Large eddy simulation of inertial particles dispersion in a turbulent gas-particle channel flow bounded by rough walls. <i>Acta Mechanica</i> , 2020 , 231, 3925-3946	2.1	7
6	Large eddy simulations on the effect of the irregular roughness shape on turbulent channel flows. <i>International Journal of Heat and Fluid Flow</i> , 2019 , 80, 108494	2.4	7
5	A multi-domain approach for smoothed particle hydrodynamics simulations of highly complex flows. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 340, 956-977	5.7	3
4	Investigation of the hemodynamic flow conditions and blood-induced stresses inside an abdominal aortic aneurysm by means of a SPH numerical model. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020 , 36, e3263	2.6	2

3	Fluid-structure interaction approach with smoothed particle hydrodynamics and particle-spring systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022 , 392, 114728	5.7	2
2	Detecting the chaotic nature of advection in complex river flows. <i>Periodica Polytechnica: Civil Engineering</i> , 2012 , 56, 97	1.2	1
1	Simulazione numerica tridimensionale dei campi di moto indotti dal vento. <i>Ingegneria Del Agua</i> , 2006 , 13, 135	0.7	