

Giuseppina Colicchio

List of Publications by Year in descending order

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27
papers

1,111
citations

759233

12
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

770
citing authors

#	ARTICLE	IF	CITATIONS
1	Î-SPH model for simulating violent impact flows. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 1526-1542.	6.6	524
2	An accurate SPH modeling of viscous flows around bodies at low and moderate Reynolds numbers. Journal of Computational Physics, 2013, 245, 456-475.	3.8	150
3	Viscous bubbly flows simulation with an interface SPH model. Ocean Engineering, 2013, 69, 88-102.	4.3	96
4	Shipping of water on a two-dimensional structure. Part 2. Journal of Fluid Mechanics, 2007, 581, 371-399.	3.4	67
5	A study of violent sloshing wave impacts using an improved SPH method. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 94-104.	1.7	57
6	A BEM-level set domain-decomposition strategy for non-linear and fragmented interfacial flows. International Journal for Numerical Methods in Engineering, 2006, 67, 1385-1419.	2.8	35
7	A critical investigation of smoothed particle hydrodynamics applied to problems with freeâ€surfaces. International Journal for Numerical Methods in Fluids, 2013, 73, 660-691.	1.6	35
8	Level-Set Computations of Free Surface Rotational Flows. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 1111-1121.	1.5	24
9	Domain-decomposition strategy for marine applications with cavity entrapments. Journal of Fluids and Structures, 2011, 27, 567-585.	3.4	20
10	Bottom slamming for a Very Large Floating Structure: Coupled global and slamming analyses. Journal of Fluids and Structures, 2009, 25, 420-430.	3.4	19
11	Bottom slamming for a Very Large Floating Structure: Uncoupled global and slamming analyses. Journal of Fluids and Structures, 2009, 25, 406-419.	3.4	17
12	3D domain decomposition for violent waveâ€ship interactions. International Journal for Numerical Methods in Engineering, 2013, 95, 661-684.	2.8	14
13	A depth semi-averaged model for coastal dynamics. Physics of Fluids, 2017, 29, .	4.0	11
14	Towards a fully 3D domain-decomposition strategy for water-on-deck phenomena. Journal of Hydrodynamics, 2010, 22, 445-450.	3.2	10
15	A domainâ€decomposition strategy for a compressible multiâ€phase flow interacting with a structure. International Journal for Numerical Methods in Engineering, 2014, 98, 840-858.	2.8	8
16	Delayed Over-Relaxation for iterative methods. Journal of Computational Physics, 2016, 321, 892-907.	3.8	6
17	On the use of boundary-integral equation methods for unsteady free-surface flows. Journal of Engineering Mathematics, 2003, 46, 127-146.	1.2	4
18	Hydroelastic behaviour of a structure exposed to an underwater explosion. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140103.	3.4	3

#	ARTICLE	IF	CITATIONS
19	Investigation of the Dynamic Loads on a Vertically Oscillating Circular Cylinder Close to the Sea Bed: The Role of Viscosity. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2017, 139, .	1.2	3
20	Validation of a three-dimensional depth-semi-averaged model. <i>Physics of Fluids</i> , 2019, 31, .	4.0	3
21	SPH Multiphase Simulation of Bubbly Flows: Towards Oil and Water Separation. , 2013, , .		2
22	Pipe-Soil Interaction: An Evaluation of a Numerical Model. , 2007, , 259.		1
23	Numerical Study of Bilge-Keel Effect on Parametric Roll and Water on Deck for an FPSO. , 2015, , .		1
24	Gas cavity-body interactions: Efficient numerical solution. <i>Computers and Fluids</i> , 2015, 113, 14-19.	2.5	1
25	Approach to Iron Corrosion via the Numerical Simulation of a Galvanic Cell. <i>Advanced Materials Research</i> , 0, 138, 127-136.	0.3	0
26	Scouring Below Pipelines: The Role of Vorticity and Turbulence. , 2010, , .		0
27	Dynamic Domain Decomposition Strategy Coupling Lattice Boltzmann Methods With Finite Differences Approximations of the Navier-Stokes Equations to Study Bodies in Current. , 2015, , .		0