

Andrea Amicarelli

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

389
citations

759233

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752698

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	SPH modelling of hydrodynamic lubrication: laminar fluid flow-structure interaction with no-slip conditions for slider bearings. <i>Computational Particle Mechanics</i> , 2021, 8, 665-679.	3.0	4
2	SPH Modelling of Dam-break Floods, with Damage Assessment to Electrical Substations. <i>International Journal of Computational Fluid Dynamics</i> , 2021, 35, 3-21.	1.2	13
3	A dry deposition scheme for particulate matter coupled with a well-known Lagrangian Stochastic model for pollutant dispersion. <i>Environmental Fluid Mechanics</i> , 2021, 21, 433-463.	1.6	4
4	Post-Failure Dynamics of Rainfall-Induced Landslide in OltrepÃ² Pavese. <i>Water (Switzerland)</i> , 2020, 12, 2555.	2.7	8
5	SPHERA v.9.0.0: A Computational Fluid Dynamics research code, based on the Smoothed Particle Hydrodynamics mesh-less method. <i>Computer Physics Communications</i> , 2020, 250, 107157.	7.5	40
6	SPH Modeling of Water-Related Natural Hazards. <i>Water (Switzerland)</i> , 2019, 11, 1875.	2.7	31
7	SPH Modelling of Hydrodynamic Lubrication along Rough Surfaces. <i>Lubricants</i> , 2019, 7, 103.	2.9	6
8	WCSPH with Limiting Viscosity for Modeling Landslide Hazard at the Slopes of Artificial Reservoir. <i>Water (Switzerland)</i> , 2018, 10, 515.	2.7	30
9	A high-order SPH method by introducing inverse kernels. <i>Chinese Journal of Aeronautics</i> , 2017, 30, 1-14.	5.3	12
10	A stochastic Lagrangian micromixing model for the dispersion of reactive scalars in turbulent flows: role of concentration fluctuations and improvements to the conserved scalar theory under non-homogeneous conditions. <i>Environmental Fluid Mechanics</i> , 2017, 17, 715-753.	1.6	5
11	A 3D smoothed particle hydrodynamics model for erosional dam-break floods. <i>International Journal of Computational Fluid Dynamics</i> , 2017, 31, 413-434.	1.2	40
12	Lagrangian micromixing modelling of reactive scalar statistics: scalar mixing layer in decaying grid turbulence. <i>International Journal of Environment and Pollution</i> , 2015, 58, 251.	0.2	1
13	Analytical Solutions of the Balance Equation for the Scalar Variance in One-Dimensional Turbulent Flows under Stationary Conditions. <i>Advances in Mathematical Physics</i> , 2015, 2015, 1-13.	0.8	1
14	A Smoothed Particle Hydrodynamics model for 3D solid body transport in free surface flows. <i>Computers and Fluids</i> , 2015, 116, 205-228.	2.5	69
15	A 3D fully Lagrangian Smoothed Particle Hydrodynamics model with both volume and surface discrete elements. <i>International Journal for Numerical Methods in Engineering</i> , 2013, 95, 419-450.	2.8	20
16	Sensitivity analysis of a concentration fluctuation model to dissipation rate estimates. <i>International Journal of Environment and Pollution</i> , 2012, 48, 164.	0.2	16
17	A 3D Lagrangian micromixing dispersion model LAGFLUM and its validation with a wind tunnel experiment. <i>Atmospheric Environment</i> , 2012, 54, 117-126.	4.1	24
18	LAGFLUM, a stationary 3D Lagrangian stochastic numerical micromixing model for concentration fluctuations: validation in canopy turbulence, on the MUST wind tunnel experiment. <i>International Journal of Environment and Pollution</i> , 2011, 47, 317.	0.2	4

#	ARTICLE	IF	CITATIONS
19	A comparison between IECM and IEM Lagrangian models. International Journal of Environment and Pollution, 2011, 44, 324.	0.2	9
20	Next-generation Multi-mechanics Simulation Engine in a Highly Interactive Environment. Procedia Computer Science, 2011, 7, 292-293.	2.0	1
21	Integrated model for the estimation of annual, seasonal, and episode PM10 exposures of children in Rome, Italy. Air Quality, Atmosphere and Health, 2011, 4, 169-178.	3.3	6
22	SPH truncation error in estimating a 3D derivative. International Journal for Numerical Methods in Engineering, 2011, 87, 677-700.	2.8	19
23	SPH truncation error in estimating a 3D function. Computers and Fluids, 2011, 44, 279-296.	2.5	24
24	An urban scale model for pollutant dispersion in Rome. International Journal of Environment and Pollution, 2010, 40, 85.	0.2	2
25	A closed-form solution for the deposition of atmospheric particulate matter on electrical insulators. Environmental Fluid Mechanics, 0, , 1.	1.6	0