

# Diana De Padova

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

573  
citations

643344

15  
h-index

759306

22  
g-index

30  
all docs

30  
docs citations

30  
times ranked

474  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-phase SPH simulation of hydraulic jump oscillations and local scouring processes downstream of bed sills. <i>Advances in Water Resources</i> , 2022, 159, 104097.	1.7	6
2	Secondary Currents with Scour Hole at Grade Control Structures. <i>Water (Switzerland)</i> , 2021, 13, 319.	1.2	5
3	Meteorological and hydrodynamic data in the Mar Grande and Mar Piccolo, Italy, of the Coastal Engineering Laboratory (LIC) Survey, winter and summer 2015. <i>Earth System Science Data</i> , 2021, 13, 599-607.	3.7	4
4	Multi-phase simulation of infected respiratory cloud transmission in air. <i>AIP Advances</i> , 2021, 11, .	0.6	8
5	Non-Hydrostatic Discontinuous/Continuous Galerkin Model for Wave Propagation, Breaking and Runup. <i>Computation</i> , 2021, 9, 47.	1.0	2
6	Hydraulic Jump: A Brief History and Research Challenges. <i>Water (Switzerland)</i> , 2021, 13, 1733.	1.2	11
7	Effects of global warming on Mediterranean coral forests. <i>Scientific Reports</i> , 2021, 11, 20703.	1.6	31
8	Comparison between the Lagrangian and Eulerian Approach for Simulating Regular and Solitary Waves Propagation, Breaking and Run-Up. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9421.	1.3	2
9	Characteristics of breaking vorticity in spilling and plunging waves investigated numerically by SPH. <i>Environmental Fluid Mechanics</i> , 2020, 20, 233-260.	0.7	21
10	Characteristics of nonbuoyant jets in a wave environment investigated numerically by SPH. <i>Environmental Fluid Mechanics</i> , 2020, 20, 189-202.	0.7	18
11	Numerical investigation of the behaviour of jets in a wave environment. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2020, 58, 618-627.	0.7	15
12	Management of Dredging Activities in a Highly Vulnerable Site: Simulation Modelling and Monitoring Activity. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 1020.	1.2	7
13	Exploring data from an individual stranding of a Cuvier's beaked whale in the Gulf of Taranto (Northern Ionian Sea, Central-eastern Mediterranean Sea). <i>Journal of Experimental Marine Biology and Ecology</i> , 2020, 533, 151473.	0.7	25
14	A mesophotic black coral forest in the Adriatic Sea. <i>Scientific Reports</i> , 2020, 10, 8504.	1.6	53
15	Modelling fluid-structure interactions: a survey of methods and experimental verification. <i>Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics</i> , 2020, 173, 159-172.	0.4	3
16	Theoretical analysis and numerical simulations of turbulent jets in a wave environment. <i>Physics of Fluids</i> , 2020, 32, .	1.6	17
17	Detecting sensitive areas in confined shallow basins. <i>Environmental Modelling and Software</i> , 2020, 126, 104659.	1.9	10
18	Hydrodynamic Structure with Scour Hole Downstream of Bed Sills. <i>Water (Switzerland)</i> , 2020, 12, 186.	1.2	17

#	ARTICLE	IF	CITATIONS
19	Monitoring Systems and Numerical Models to Study Coastal Sites. <i>Sensors</i> , 2019, 19, 1552.	2.1	26
20	SPH numerical investigation of the characteristics of an oscillating hydraulic jump at an abrupt drop. <i>Journal of Hydrodynamics</i> , 2018, 30, 106-113.	1.3	27
21	Monitoring System in Mar Grande Basin (Ionian Sea). , 2018, , .		7
22	Experimental and Numerical Investigation of Pre-Breaking and Breaking Vorticity within a Plunging Breaker. <i>Water (Switzerland)</i> , 2018, 10, 387.	1.2	20
23	SPH numerical investigation of characteristics of hydraulic jumps. <i>Environmental Fluid Mechanics</i> , 2018, 18, 849-870.	0.7	26
24	Synergistic use of an oil drift model and remote sensing observations for oil spill monitoring. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5530-5543.	2.7	28
25	SPH Modelling of Hydraulic Jump Oscillations at an Abrupt Drop. <i>Water (Switzerland)</i> , 2017, 9, 790.	1.2	31
26	SPH numerical investigation of the velocity field and vorticity generation within a hydrofoil-induced spilling breaker. <i>Environmental Fluid Mechanics</i> , 2016, 16, 267-287.	0.7	20
27	Analysis of the artificial viscosity in the smoothed particle hydrodynamics modelling of regular waves. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014, 52, 836-848.	0.7	44
28	3D SPH modelling of hydraulic jump in a very large channel. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2013, 51, 158-173.	0.7	60
29	Quantitative characterization of marine oil slick by satellite near-infrared imagery and oil drift modelling: the Fun Shai Hai case study. <i>International Journal of Remote Sensing</i> , 2013, 34, 1838-1854.	1.3	29
30	Hydrodynamics of Regular Breaking Wave. , 0, , .		0