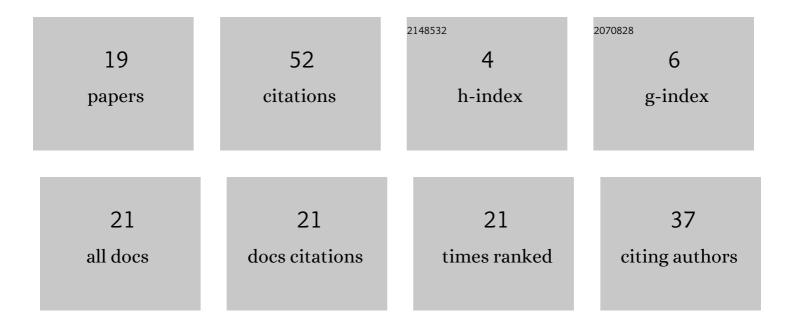
Carlos Alberto Dutra Fraga Filho

List of Publications by Year in descending order

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Carlos Alberto Dutra Fraga

#	Article	IF	CITATIONS
1	A Lagrangian analysis of the gravity-inertial oil spreading on the calm sea using the reflective oil-water interface treatment. Environmental Science and Pollution Research, 2021, 28, 17170-17180.	2.7	2
2	Diffusive terms applied in smoothed particle hydrodynamics simulations of incompressible and isothermal Newtonian fluid flows. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	0
3	An Investigation into Neighbouring Search Techniques in Meshfree Particle Methods: An Evaluation of the Neighbour Lists and the Direct Search. Archives of Computational Methods in Engineering, 2020, 27, 1093-1107.	6.0	5
4	On the boundary conditions in Lagrangian particle methods and the physical foundations of continuum mechanics. Continuum Mechanics and Thermodynamics, 2019, 31, 475-489.	1.4	6
5	Implementation of three-dimensional physical reflective boundary conditions in mesh-free particle methods for continuum fluid dynamics: Validation tests and case studies. Physics of Fluids, 2019, 31, 103606.	1.6	4
6	Smoothed Particle Hydrodynamics Method. , 2019, , 17-65.		0
7	Applications in Continuum Fluid Mechanics and Transport Phenomena. , 2019, , 67-100.		0
8	Smoothed Particle Hydrodynamics. , 2019, , .		11
9	Meshless Lagrangian SPH method applied to isothermal lid-driven cavity flow at low-Re numbers. Computational Particle Mechanics, 2018, 5, 467-475.	1.5	8
10	An algorithmic implementation of physical reflective boundary conditions in particle methods: Collision detection and response. Physics of Fluids, 2017, 29, .	1.6	9
11	Development of a computational instrument using a lagrangian particle method for physics teaching in the areas of fluid dynamics and transport phenomena. Revista Brasileira De Ensino De Fisica, 2017, 39,	0.2	3
12	Estudo numérico da propagação de ondas em praias planas utilizando os modelos Lagrangiano sem malhas e Euleriano. Revista Brasileira De Recursos Hidricos, 2015, 20, 91-105.	0.5	0
13	A numerical study of heat diffusion using the Lagrangian particle SPH method and the Eulerian Finite-Volume method: analysis of convergence, consistency and computational cost. WIT Transactions on Engineering Sciences, 2014, , .	0.0	1
14	Dynamic Analysis with Stress Recovery for Functionally Graded Materials: Numerical Simulation and Experimental Benchmarking. International Journal on Advanced Materials and Technologies, 2014, 2, 21.	0.0	0
15	Numerical Study of Heat Diffusion Employing the Lagrangian Smoothed Particle Hydrodynamics Method: an Analysis of the Applicability of the Laplacian Operator and the Influence of the Boundaries on the Solution. International Review on Modelling and Simulations, 2014, 7, 994.	0.2	0
16	Study of Fluid Flows using Smoothed Particle Hydrodynamics: the Modified Pressure Concept Applied to Quiescent Fluid and Dam Breaking. Anais Do Congresso Ibero-Latino-Americano De MA©todos Computacionais Em Engenharia, 0, , .	0.0	2
17	Numerical Study of the Generation and Propagation of Waves on Flat Beaches: an Application in Engineering using SPHysics and FUNWAVE Models. , 0, , .		1
18	Kinematics of a Fluid at Rest within a Reservoir and of the Flow due to the Dam Breaking using the		0

Lagrangian Smoothed Particle Hydrodynamics Model., 0, , .

#	Article	IF	CITATIONS
19	Physical Reflective Boundary Conditions in Particle Methods: a Collision Detection and Response Algorithm. , 0, , .		0