

# Carlos Alberto Dutra Fraga Filho

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

52  
citations

2148532

4  
h-index

2070828

6  
g-index

21  
all docs

21  
docs citations

21  
times ranked

37  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Lagrangian analysis of the gravity-inertial oil spreading on the calm sea using the reflective oil-water interface treatment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 17170-17180.	2.7	2
2	Diffusive terms applied in smoothed particle hydrodynamics simulations of incompressible and isothermal Newtonian fluid flows. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 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. <i>Archives of Computational Methods in Engineering</i> , 2020, 27, 1093-1107.	6.0	5
4	On the boundary conditions in Lagrangian particle methods and the physical foundations of continuum mechanics. <i>Continuum Mechanics and Thermodynamics</i> , 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. <i>Physics of Fluids</i> , 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. <i>Computational Particle Mechanics</i> , 2018, 5, 467-475.	1.5	8
10	An algorithmic implementation of physical reflective boundary conditions in particle methods: Collision detection and response. <i>Physics of Fluids</i> , 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. <i>Revista Brasileira De Ensino De Fisica</i> , 2017, 39, .	0.2	3
12	Estudo numérico da propagação de ondas em praias planas utilizando os modelos Lagrangiano sem malhas e Euleriano. <i>Revista Brasileira De Recursos Hidricos</i> , 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. <i>WIT Transactions on Engineering Sciences</i> , 2014, , .	0.0	1
14	Dynamic Analysis with Stress Recovery for Functionally Graded Materials: Numerical Simulation and Experimental Benchmarking. <i>International Journal on Advanced Materials and Technologies</i> , 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. <i>International Review on Modelling and Simulations</i> , 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. <i>Anais Do ... Congresso Ibero-Latino-Americano De Mátodos Computacionais Em Engenharia</i> , 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 Lagrangian Smoothed Particle Hydrodynamics Model. , 0, , .		0

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