

Ebrahim Jahanbakhsh

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

341
citations

686830

13
h-index

839053

18
g-index

22
all docs

22
docs citations

22
times ranked

204
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a VoF-fractional step solver for floating body motion simulation. Applied Ocean Research, 2006, 28, 171-181.	1.8	31
2	Development of a Finite Volume Particle Method for 3-D fluid flow simulations. Computer Methods in Applied Mechanics and Engineering, 2016, 298, 80-107.	3.4	30
3	Towards simulation of 3D nonlinear high-speed vessels motion. Ocean Engineering, 2009, 36, 256-265.	1.9	27
4	Flow Simulation of Jet Deviation by Rotating Pelton Buckets Using Finite Volume Particle Method. Journal of Fluids Engineering, Transactions of the ASME, 2015, 137, .	0.8	26
5	Numerical simulation of three-dimensional interfacial flows. International Journal of Numerical Methods for Heat and Fluid Flow, 2007, 17, 384-404.	1.6	24
6	Implementation of PISO algorithm for simulating unsteady cavitating flows. Ocean Engineering, 2010, 37, 1321-1336.	1.9	21
7	GPU-accelerated numerical analysis of jet interference in a six-jet Pelton turbine using Finite Volume Particle Method. Renewable Energy, 2020, 148, 234-246.	4.3	21
8	Exact finite volume particle method with spherical-support kernels. Computer Methods in Applied Mechanics and Engineering, 2017, 317, 102-127.	3.4	20
9	GPU-accelerated 3-D Finite Volume Particle Method. Computers and Fluids, 2018, 171, 79-93.	1.3	19
10	FVPM numerical simulation of the effect of particle shape and elasticity on impact erosion. Wear, 2019, 430-431, 108-119.	1.5	17
11	Multiscale simulation of erosive wear in a prototype-scale Pelton runner. Renewable Energy, 2020, 151, 204-215.	4.3	17
12	Multiscale Simulation of the Hydroabrasive Erosion of a Pelton Bucket: Bridging Scales to Improve the Accuracy. International Journal of Turbomachinery, Propulsion and Power, 2019, 4, 9.	0.5	16
13	A multiscale model for sediment impact erosion simulation using the finite volume particle method. Wear, 2017, 392-393, 202-212.	1.5	15
14	Hydrodynamic Analysis of Trimaran Vessels. Polish Maritime Research, 2008, 15, 11-18.	0.6	14
15	Flow simulation of a Pelton bucket using finite volume particle method. IOP Conference Series: Earth and Environmental Science, 2014, 22, 012003.	0.2	11
16	A novel approach to surface tension modelling with the Finite Volume Particle Method. Computer Methods in Applied Mechanics and Engineering, 2018, 341, 409-428.	3.4	8
17	Simulation of the hydroabrasive erosion of a bucket: A multiscale model with projective integration to circumvent the spatio-temporal scale separation. IOP Conference Series: Earth and Environmental Science, 2019, 240, 072014.	0.2	8
18	Impact erosion prediction using the finite volume particle method with improved constitutive models. IOP Conference Series: Earth and Environmental Science, 2016, 49, 122010.	0.2	5

#	ARTICLE	IF	CITATIONS
19	Silt motion simulation using finite volume particle method. IOP Conference Series: Earth and Environmental Science, 2014, 22, 052015.	0.2	4
20	Drag force on a flat plate in cavitating flows. Polish Maritime Research, 2009, 16, .	0.6	3
21	Implementation of phase change thermodynamic probability for unsteady simulation of cavitating flows. International Journal for Numerical Methods in Fluids, 2011, 66, 1555-1571.	0.9	2
22	FPM Simulations of a High-Speed Water Jet Validation with CFD and Experimental Results. , 2014, , 419-431.		2