

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
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22
all docs

22
docs citations

22
times ranked

204
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale simulation of erosive wear in a prototype-scale Pelton runner. <i>Renewable Energy</i> , 2020, 151, 204-215.	4.3	17
2	GPU-accelerated numerical analysis of jet interference in a six-jet Pelton turbine using Finite Volume Particle Method. <i>Renewable Energy</i> , 2020, 148, 234-246.	4.3	21
3	Simulation of the hydroabrasive erosion of a bucket: A multiscale model with projective integration to circumvent the spatio-temporal scale separation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 240, 072014.	0.2	8
4	Multiscale Simulation of the Hydroabrasive Erosion of a Pelton Bucket: Bridging Scales to Improve the Accuracy. <i>International Journal of Turbomachinery, Propulsion and Power</i> , 2019, 4, 9.	0.5	16
5	FVPM numerical simulation of the effect of particle shape and elasticity on impact erosion. <i>Wear</i> , 2019, 430-431, 108-119.	1.5	17
6	A novel approach to surface tension modelling with the Finite Volume Particle Method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 341, 409-428.	3.4	8
7	GPU-accelerated 3-D Finite Volume Particle Method. <i>Computers and Fluids</i> , 2018, 171, 79-93.	1.3	19
8	Exact finite volume particle method with spherical-support kernels. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 317, 102-127.	3.4	20
9	A multiscale model for sediment impact erosion simulation using the finite volume particle method. <i>Wear</i> , 2017, 392-393, 202-212.	1.5	15
10	Impact erosion prediction using the finite volume particle method with improved constitutive models. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 49, 122010.	0.2	5
11	Development of a Finite Volume Particle Method for 3-D fluid flow simulations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 298, 80-107.	3.4	30
12	Flow Simulation of Jet Deviation by Rotating Pelton Buckets Using Finite Volume Particle Method. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2015, 137, .	0.8	26
13	FPM Simulations of a High-Speed Water Jet Validation with CFD and Experimental Results. , 2014, , 419-431.		2
14	Flow simulation of a Pelton bucket using finite volume particle method. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 22, 012003.	0.2	11
15	Silt motion simulation using finite volume particle method. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 22, 052015.	0.2	4
16	Implementation of phase change thermodynamic probability for unsteady simulation of cavitating flows. <i>International Journal for Numerical Methods in Fluids</i> , 2011, 66, 1555-1571.	0.9	2
17	Implementation of PISO algorithm for simulating unsteady cavitating flows. <i>Ocean Engineering</i> , 2010, 37, 1321-1336.	1.9	21
18	Towards simulation of 3D nonlinear high-speed vessels motion. <i>Ocean Engineering</i> , 2009, 36, 256-265.	1.9	27

#	ARTICLE	IF	CITATIONS
19	Drag force on a flat plate in cavitating flows. Polish Maritime Research, 2009, 16, .	0.6	3
20	Hydrodynamic Analysis of Trimaran Vessels. Polish Maritime Research, 2008, 15, 11-18.	0.6	14
21	Numerical simulation of three-dimensional interfacial flows. International Journal of Numerical Methods for Heat and Fluid Flow, 2007, 17, 384-404.	1.6	24
22	Development of a VoF-fractional step solver for floating body motion simulation. Applied Ocean Research, 2006, 28, 171-181.	1.8	31